FIXCER

CHEMICAL ADHESIVES AND PRODUCTS FOR CONSTRUCTION

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FIXCOLOR 0/16

CG2WA according to EN13.888

Coloured cement mortar, for sealing joints from 0 to 16 mm thick.

MAIN FEATURES

-Excellent mechanical resistance and durability.
-High adhesion and impermeability.
-Crack-free hardening.
-Excellent workability with a rubber trowel.
-Easy application, cleaning and maintenance.
-Fast setting.

FIELDS OF APPLICATION

-Sealing joints between floor tiles and walls, in interiors and exteriors.
-Filling joints between glazed decorative tiles, mosaics, ceramic, vitreous mosaic, extruded stoneware and other products.
-Filling of joints between natural stone, marble, hydraulic tiles, etc.
-Filling of joints in traditionally chlorinated swimming pools.

HOW TO USE

JOINT PREPARATION

Before applying **FIXCOLOR 0/16**, clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20ºC.
-In very absorbent and dry joints or joints exposed to the sun in hot weather, previously humidify them, considering, however, that too much humidity or a temperature outside the range of +5ºC to +35ºC does not guarantee either a good consistency or a regular installation.

PREPARATION OF THE MIXTURE

-Mix approximately 5 - 7.25 litres of clean water with every 25 kg of product.
-Use an electric mixer at low rpm.
-Let rest for 2 minutes.
-Mix to obtain a ready-to-use mix.

APPLICATION OF THE MIXTURE

-Completely fill the joints with the **FIX-ESPATULA DE GOMA** exerting enough pressure to fill all the existing cavities.
-Gradually remove all the excess with the same spatula.
-Half an hour after application, clean the tiles with the **FIX-LLANA PARA LIMPIAR** and proceed to the surface finish of the joint with the slightly damp **FIX-ESPONJA**.
-To grout terracotta or absorbent tiles, we recommend applying a protective pre-coat of **FIX-OIL** to close the pore.
-If small traces of product remain on rough tiles, carry out a final cleaning after 7 days, using **GRESNET** diluted 1:10 with water and rinse the floor with plenty of water to avoid leaving dry residues of the acid.

TECHNICAL DATA

Density in powder	1.4 g/cm^3
Mixing water	1.0 L / 5 kg bag
Density of the mixture	1.6 g/cm^3
Temperature of application	from +5ºC to +35ºC
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	30 minutes
Can be walked on after	24 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤1000 mm^3
Resistance to flexion after dry storing	≥2.5 N/mm^2
Resistance to flexion after cycles	≥2.5 N/mm^2
Resistance to compression after dry storing	≥15 N/mm^2
Resistance to compression after cycles	≥15 N/mm^2
Shrinkage	≤ 3 mm/m
Water absorption (after 30 min)	≤ 2 g
Water absorption (after 240 min)	≤ 5 g
Consumption	consult technical dept.
Estimated expiration	36 months
Presentation	5 kg

EUROCOLOR FLEX

CG2WA according to EN13.888

Coloured, aesthetically beautiful cement mortar for sealing joints from 0 to 16 mm thick.

0| Blanco
1| Beige
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
46| Piedra
48| Marrón arena

MAIN FEATURES

-Fungicide.
-Water repellent.
-8 intense, permanent colours. No efflorescence.
-Smooth finish.
-No cracking.
-Single component.
-Super thin.
-High mechanical strength, adhesion and impermeability.

FIELDS OF APPLICATION

-Sealing joints between floor tiles and walls, both indoors and outdoors.
-Filling joints between glazed decorative tiles, ceramics, vitreous mosaic, extruded stoneware, porcelain stoneware, bricks, natural stone, marble, hydraulic tiles and terracotta.
-Filling of joints subject to wear and tear in hospitals, restaurants, changing rooms, airports, shops and offices.
-Suitable for traditionally chlorinated swimming pools, baths, showers, spa and thermal pools.

HOW TO USE

JOINT PREPARATION

Before to the application of **EUROCOLOR FLEX**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20ºC.
-In very absorbent and dry joints or joints exposed to the sun in hot weather, previously humidify them, considering, however, that too much humidity or a temperature outside the range of +5ºC to +35ºC does not guarantee either a good consistency or a regular installation.

PREPARATION OF THE MIXTURE

-Mix approximately 5.25 litres of clean water with every 25 kg of product.
-Use an electric mixer at low rpm.
-Let rest for 2 minutes.
-Mix to obtain a ready-to-use mix.

APPLICATION OF THE MIXTURE

-Completely fill the joints with the **FIX-ESPATULA DE GOMA** exerting enough pressure to fill all the existing cavities.
-Gradually remove all the excess with the same spatula.
-Half an hour after application, clean the tiles with the **FIX-LLANA PARA LIMPIAR** and proceed to the surface finish of the joint with the slightly damp **FIX-ESPONJA**.
-To grout terracotta or absorbent tiles, we recommend applying a protective pre-coat of **FIX-OIL** to close the pore.
-If small traces of product remain on rough tiles, carry out a final cleaning after 7 days, using **GRESNET** diluted 1:10 with water and rinse the floor with plenty of water to avoid leaving dry residues of the acid.

TECHNICAL DATA

Density in powder	1.2 g/cm^3
Mixing water	5.25 L / 25 kg sack
Density of the mixture	1.8 g/cm^3
Temperature of application	from +5ºC to +35ºC
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	30 minutes
Can be walked on after	24 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 1000 mm^3
Resistance to flexion after dry storing	≥ 2.5 N/mm^2
Resistance to flexion after cycles	≥ 2.5 N/mm^2
Resistance to compression after dry storing	≥ 15 N/mm^2
Resistance to compression after cycles	≥ 15 N/mm^2
Shrinkage	≤ 3 mm/m
Water absorption (after 30 min)	≤ 2 g
Water absorption (after 240 min)	≤ 5 g
Consumption	consult technical dept.
Estimated expiration (sacks/bags)	12 / 36 months
Presentation	25 kg and 5 kg

IDEAL COLOR

CG2WA according to EN13.888

High-tech cement mortar for sealing joints from 0 to 6 mm.

0| Blanco
40| Blanco miami
67| Vainilla
1| Beige
24| Lana
8| Gris claro
29| Perla
68| Gris plata
9| Gris cemento
10| Antracita
11| Negro
25| Humo
26| Aluminio
27| Titanio
28| Plomo
46| Piedra
33| Desierto
48| Marrón arena
47| Visón
34| Pardo
19| Roble
4| Marrón claro
45| Marrón medio
35| Venecia
36| Barro
37| Cedro
38| Nogal
5| Marrón oscuro
12| Azul piscina
32| Cobalto
23| Verde oscuro
69| Verde moka
7| Terracota
66| Rubí

MAIN FEATURES

-Water repellent.
-Fungicide.
-Fast.
-Crack free.
-Wear resistant.
-No stains or efflorescence.
-Easy application, cleaning and maintenance.
-Fast setting.
-High mechanical and chemical resistance.
-Available in 34 colours.

FIELDS OF APPLICATION

-Sealing joints of floor tiles and walls in indoors and outdoors.
-Filling joints between glazed decorative tiles, ceramics, vitreous mosaic, extruded stoneware, porcelain stoneware, bricks, natural stone, marble, hydraulic tiles and terracotta.
-Filling of joints subject to wear and tear in hospitals, restaurants, changing rooms, airports, shops and offices.
-Suitable for traditionally chlorinated swimming pools, baths, showers, spa and thermal pools.

HOW TO USE

JOINT PREPARATION

Before to the application of **IDEAL COLOR**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20ºC.
-In very absorbent and dry joints or joints exposed to the sun in hot weather, previously humidify them, considering, however, that too much humidity or a temperature outside the range of +5ºC to +35ºC does not guarantee either a good consistency or a regular installation.

PREPARATION OF THE MIXTURE

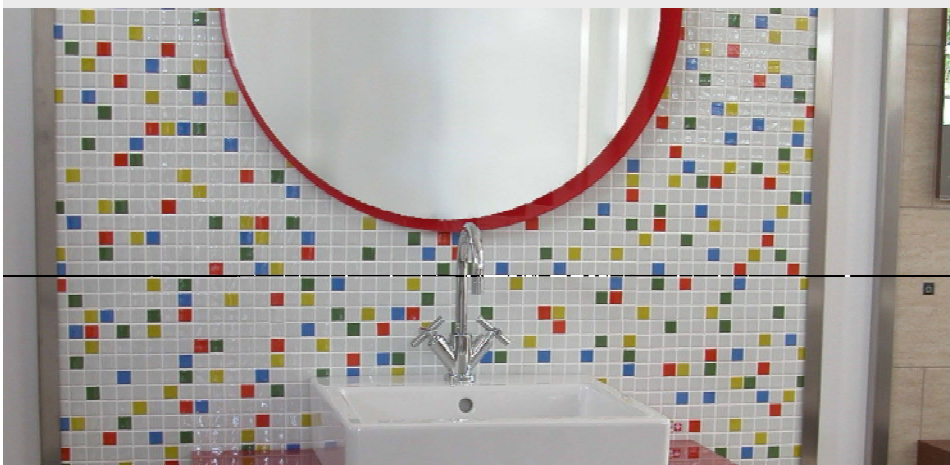
-Mix approximately 5.5 litres of clean water with every 25 kg of product.
-Use an electric mixer at low rpm.
-Let rest for 2 minutes.
-Mix to obtain a ready-to-use mix.

APPLICATION OF THE MIXTURE

-Completely fill the joints with the **FIX-ESPATULA DE GOMA** exerting enough pressure to fill all the existing cavities.
-Gradually remove all the excess with the same spatula.
-Half an hour after application, clean the tiles with the **FIX-LLANA PARA LIMPIAR** and proceed to the surface finish of the joint with the slightly damp **FIX-ESPONJA**.
-To grout terracotta or absorbent tiles, we recommend applying a protective pre-coat of **FIX-OIL** to close the pore.
-If small traces of product remain on rough tiles, carry out a final cleaning after 7 days, using **GRESNET** diluted 1:10 with water and rinse the floor with plenty of water to avoid leaving dry residues of the acid.

TECHNICAL DATA

Density in powder	1.3 g/cm^3
Mixing water	5.5 L / 25 kg sack
Density of the mixture	1.8 g/cm^3
Temperature of application	from +5ºC to +35ºC
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	30 minutes
Can be walked on after	3 hours (at +20ºC)
Final hardening	24 hours; 7 days (for pools)
Resistance to abrasion	≤ 1000 mm^3
Resistance to flexion after cycles	≥ 2.5 N/mm^2
Resistance to flexion after dry storing	≥ 2.5 N/mm^2
Resistance to compression after dry storing	≥ 15 N/mm^2
Resistance to compression after cycles	≥ 15 N/mm^2
Shrinkage	≤ 3 mm/m
Water absorption (after 30 min)	≤ 2 g
Water absorption (after 240 min)	≤ 5 g
Consumption	consult technical dept.
Estimated expiration (sacks/bags)	12 / 36 months
Presentation	25 kg and 5 kg



IDEAL POOL

CG2WA according to EN13.888

Health-friendly cement mortar based on special hydraulic binders. Resistant to weak acids. Especially suited to SWIMMING POOLS.

0| Blanco
1| Beige
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
46| Piedra
48| Marrón arena

MAIN FEATURES
-Available in 8 pre-dosed colours.
-Wear resistant.
-Stain and efflorescence free.
-Fast-setting.
-Easy application, cleaning and maintenance.
-Resistant to weak acids.
-Great chemical resistance.
-Highly resistant in traditionally chlorinated pools and with good resistance in saline chlorinated pools.

FIELDS OF APPLICATION
-Swimming pools with traditional filtration using liquid or solid chlorine can be grouted with cement based products, understanding that the epoxy grouting option will always enhance the durability of the grout.
-For swimming pools with filtration by saline chlorination, it is ideal to grout with chemically resistant epoxy-based products. Grouting these pools with cement-based products is more economical, but in the long run, it will require more maintenance of the joints.

HOW TO USE

JOINT PREPARATION
Before to the application of **IDEAL POOL**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS
-The ideal application temperature is +20ºC.
-In very absorbent and dry joints or joints exposed to the sun in hot weather, previously humidify them, considering, however, that too much humidity or a temperature outside the range of +5ºC to +35ºC does not guarantee either a good consistency or a regular installation.

PREPARATION OF THE MIXTURE
-Mix approximately 5.0 litres of clean water with every 25 kg of product.
-Use an electric mixer at low rpm.
-Let rest for 2 minutes.
-Mix to obtain a ready-to-use mix.

APPLICATION OF THE MIXTURE
-Completely fill the joints with the **FIX-ESPATULA DE GOMA** exerting enough pressure to fill all the existing cavities.
-Gradually remove all the excess with the same spatula.
-Half an hour after application, clean the tiles with the **FIX-LLANA PARA LIMPIAR** and proceed to the surface finish of the joint with the slightly damp **FIX-ESPONJA**.
-To grout terracotta or absorbent tiles, we recommend applying a protective pre-coat of **FIX-OIL** to close the pore.
-If small traces of product remain on rough tiles, carry out a final cleaning after 7 days, using **GRESNET** diluted 1:10 with water and rinse the floor with plenty of water to avoid leaving dry residues of the acid.

TECHNICAL DATA

Density in powder	1.3 g/cm^3
Mixing water	5.0 L / 25 kg sack
Density of the mixture	1.8 g/cm^3
Temperature of application	from +5ºC to +35ºC
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	15 - 30 minutes
Can be walked on after	3 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 1000 mm^3
Resistance to flexion after dry storing	≥ 2.5 N/mm^2
Resistance to flexion after cycles	≥ 2.5 N/mm^2
Resistance to compression after dry storing	≥ 15 N/mm^2
Resistance to compression after cycles	≥ 15 N/mm^2
Shrinkage	≤ 3 mm/m
Water absorption (after 30 min)	≤ 2 g
Water absorption (after 240 min)	≤ 5 g
Consumption	consult technical dept.
Estimated expiration (sacks/bags)	12 / 36 months
Presentation	5 kg

CERPOXI

RG according to EN13.888

Epoxy mortar, anti-acid and tri-component for sealing acid-resistant joints.

0| Blanco
2| Beige oscuro
3| Beige natural
4| Marrón claro
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
14| Verde aqua
15| Verde ácido
16| Verde giada
30| Translúcido
70| Amarillo oscuro
71| Ocre
72| Tierra
73| Rojo oscuro
74| Caramelo
75| Chocolate
76| Verde oliva
77| Esmeralda
78| Azul celeste
79| Azul marino
82| Elondo
83| Mongoy
84| Cerezo claro
85| Arce

MAIN FEATURES

-Available in 26 pre-dosed colours.
-100% waterproof and watertight.
-Optimum chemical resistance.
-High mechanical resistance.
-Fluid anti-sagging texture.
-Unbeatable aesthetic result.
-Maximum hygiene.
-Very easy to apply.
-Fast setting and anti-acid properties
-Ideal for grouting swimming pool joints.

FIELDS OF APPLICATION

-Sealing of joints in public and private swimming pools with chlorinated or saline chlorination water.
-Sealing joints in bathrooms, showers, water areas and spas.
-Sealing of joints between tiles, indoors and outdoors.
-Sealing of anti-acid tile joints in chemical, dairy, food, paper, cheese, brewing industries, slaughter-houses, canning factories, tanneries, kitchens, canteens and cutting rooms.

HOW TO USE

JOINT PREPARATION

Before to the application of **CERPOXI**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20°C. When the temperature is very low and the liquids are cold and viscous, immerse the bottles in hot water, not boiling, until they become fluid.
-Empty the contents of the two bottles completely into the bucket.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +12ºC to +30ºC
Useful life	1 hour (at +20ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	14 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1.5 mm/m
Water absorption (after 240 min)	≤ 0.1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0.5 N/mm^2
Slip	≤ 0.5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	2, 7 and 21 kg

CERPOXI FLUID

RG according to EN13.888

ULTRA-FLUID mortar for sealing acid-resistant joints, from 0 to 2 mm. IDEAL FOR APPLICATION WITH INDUSTRIAL MACHINERY.

0| Blanco
2| Beige oscuro
3| Beige natural
4| Marrón claro
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
14| Verde aqua
15| Verde ácido
16| Verde giada
30| Translúcido
70| Amarillo oscuro
71| Ocre
72| Tierra
73| Rojo oscuro
74| Caramelo
75| Chocolate
76| Verde oliva
77| Esmeralda
78| Azul celeste
79| Azul marino
82| Elondo
83| Mongoy
84| Cerezo claro
85| Arce
STAR

MAIN FEATURES

-Available in 26 pre-dosed colours.
-It is the most fluid epoxy on the market, ideal for grouting joints with a maximum width of 2 mm.
-Chemical resistance to detergents and acids.
-Excellent adhesion to substrates such as ceramic, concrete, iron, wood, fibre cement,...
-Mechanically resistant and 100% waterproof.
-Very easy maintenance.
-Extraordinary open time (pot-life) and at the same time fast setting.

FIELDS OF APPLICATION

-Exclusive for grouting floors.
-Sealing of joints between tiles in INTERIORS and EXTERIORS horizontally.
-Filling of anti-acid tile joints in chemical, dairy, food, paper, cheese, brewery, slaughterhouses, canneries, kitchens, cutting rooms, etc...
-Laying on tile floors in general, and anti-acid ceramic tiles, on floors with a good planimetry (consult the Technical Department).

HOW TO USE

JOINT PREPARATION

Before to the application of **CERPOXI FLUID**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20°C. When the temperature is very low and the liquids are cold and viscous, immerse the bottles in hot water, not boiling, until they become fluid.
-Empty the contents of the two bottles completely into the bucket.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +12ºC to +30ºC
Useful life	1 hour (at +20ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	14 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1.5 mm/m
Water absorption (after 240 min)	≤ 0.1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0.5 N/mm^2
Slip	≤ 0.5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	18 kg

CERPOXI RAPID

RG according to EN13.888

Mortar for sealing acid-resistant joints, from 0 to 10 mm with VERY QUICK DRYING.

0| Blanco
2| Beige oscuro
3| Beige natural
4| Marrón claro
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
14| Verde aqua
15| Verde ácido
16| Verde giada
30| Translúcido
70| Amarillo oscuro
71| Ocre
72| Tierra
73| Rojo oscuro
74| Caramelo
75| Chocolate
76| Verde oliva
77| Esmeralda
78| Azul celeste
79| Azul marino
82| Elondo
83| Mongoy
84| Cerezo claro
85| Arce

MAIN FEATURES

-Available in 26 pre-dosed colours.
-It is very fast setting: it does in 5 hours what traditional **CERPOXI** does in 24 hours.
-It has the best price-performance ratio.
-Optimum chemical resistance to detergents and acids.
-Excellent adhesion to substrates such as ceramic, concrete, iron, wood, fibre cement,...
-Mechanically resistant and 100% waterproof.
-Good fluidity: it is an epoxy that is easy to apply.
-No sagging in vertical joints.

FIELDS OF APPLICATION

-Sealing joints between tiles in INTERIORS and EXTERIORS vertically and horizontally.
-Filling of anti-acid tile joints in chemical industries, dairies, papers, cheese factories, breweries, slaughterhouses, canneries, tanneries, kitchens, cutting rooms,...
-Filling of joints in swimming pools with saline or traditional chlorination, bathrooms, showers, water areas, etc.
-Tile fixing in general in coverings and floorings, where a very fast and antiacid setting is required.

HOW TO USE

JOINT PREPARATION

Before to the application of **CERPOXI RAPID**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20ºC. When the temperature is very low we recommend using **PROFESSIONAL PX COLD**.
-Empty the contents of the two bottles completely into the bucket.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +12ºC to +30ºC
Useful life	15 - 20 minutes (at +20ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	1 hour (at +20ºC)
Final hardening	5 hours
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1,5 mm/m
Water absorption (after 240 min)	≤ 0,1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0,5 N/mm^2
Slip	≤ 0,5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	2 kg

CERPOXI STAR

RG (EN13.888); Type A: high luminescence (UNE ISO 23035-1)

Acid-resistant mortar for sealing joints from 0 to 10 mm with HIGH PHOTOLUMINISCENT properties.

Star

MAIN FEATURES

-Extraordinary PHOTOLUMINISCENCE even in total darkness.
-It recharges very quickly with natural light and also with artificial resistance light or LEDs.
-Its luminescence remains active all night long.
-It is non-maintenance: we only have to make sure that the surface is clean.
-Its luminescent properties do not diminish.
-Easy-to-apply epoxy and without sagging.
-Totally waterproof.

FIELDS OF APPLICATION

-With this joint we achieve:
-a safety objective: we can complement (never replace) the signs for the signalling of escape routes and/or ensure in any condition an intense and constant luminescence even if the emergency lights were to fail.
-an aesthetic/festive objective: designing photoluminescent spaces is "fun".
-Sealing of joints between tiles in INTERIORS and EXTERIORS, vertically and horizontally, in bathrooms, discos, changing rooms,...

HOW TO USE

JOINT PREPARATION

Before to the application of **CERPOXI STAR**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20°C. When the temperature is very low and the liquids are cold and viscous, immerse the bottles in hot water, not boiling, until they become fluid.
-Empty the contents of the two bottles completely into the bucket.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +12ºC to +30ºC
Useful life	1 hour (at +20ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	14 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1.5 mm/m
Water absorption (after 240 min)	≤ 0.1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0.5 N/mm^2
Slip	≤ 0.5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	2 kg

PROFESSIONAL PX

RG (EN13.888) & R2T (EN12.004)

Epoxy, anti-acid, tri-component mortar for bonding and grouting with acid-resistant characteristics. Extra-fluid product. Maximum ease of application.

0| Blanco
2| Beige oscuro
3| Beige natural
4| Marrón claro
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
14| Verde aqua
15| Verde ácido
16| Verde giada
30| Translúcido
70| Amarillo oscuro
71| Ocre
72| Tierra
73| Rojo oscuro
74| Caramelo
75| Chocolate
76| Verde oliva
77| Esmeralda
78| Azul celeste
79| Azul marino
82| Elondo
83| Mongoy
84| Cerezo claro
85| Arce

MAIN FEATURES

-Available in 26 pre-dosed colours.
-100% waterproof and watertight.
-Optimum chemical resistance.
-High mechanical resistance.
-Fluid anti-sagging texture.
-Unbeatable aesthetic result.
-Maximum hygiene.
-Very easy to apply.
-Fast setting and anti-acid.
-Ideal for grouting swimming pool joints.

FIELDS OF APPLICATION

-Grouting of tiles in all types of swimming pools and areas exposed to water.
-Bonding and grouting in polyester pools.
-Grouting of anti-acid tiles for the food and chemical industries.
-Grouting of tiles in kitchens and areas with high hygiene requirements.
-Grouting of tiles without any sagging, in interiors and exteriors.
-Dry laying without adhesive cement.
-Laying of marble lintels.

HOW TO USE

JOINT PREPARATION

Before to the application of **PROFESSIONAL PX**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +20°C. When the temperature is very low and the liquids are cold and viscous, immerse the bottles in hot water, not boiling, until they become fluid.
-Empty the contents of the two bottles completely into the bucket.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +12ºC to +30ºC
Useful life	1 hour (at +20ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	14 hours (at +20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1.5 mm/m
Water absorption (after 240 min)	≤ 0.1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0.5 N/mm^2
Slip	≤ 0.5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	5 kg and 20 kg

PROFESSIONAL PX COLD

RG (EN13.888) & R2T (EN12.004)

ANTI-ACID mortar for bonding and/or grouting in areas with minimum temperatures of +5ºC.

0| Blanco
2| Beige oscuro
3| Beige natural
4| Marrón claro
8| Gris claro
9| Gris cemento
10| Antracita
11| Negro
14| Verde aqua
15| Verde ácido
16| Verde giada
30| Translúcido
70| Amarillo oscuro
71| Ocre
72| Tierra
73| Rojo oscuro
74| Caramelo
75| Chocolate
76| Verde oliva
77| Esmeralda
78| Azul celeste
79| Azul marino
82| Elondo
83| Mongoy
84| Cerezo claro
85| Arce

MAIN FEATURES

-Available in 26 pre-dosed colours.
-It is reactive at cold temperatures but always above +5ºC.
-100% waterproof, watertight, and anti-acid.
-High mechanical resistance.
-Fluid anti-sagging texture.
-Hygienic and with an unbeatable aesthetic result.
-Very easy to apply.
-Fast setting and anti-acid.
-Ideal for grouting swimming pool joints.

FIELDS OF APPLICATION

-Sealing of joints between tiles in interiors and exteriors, in vertically and horizontally, and in areas exposed to low temperatures but always above +5ºC.
-Bonding and grouting in polyester swimming pools and grouting of tiles in swimmign pools of all types.
-Grouting of anti-acid tiles for the food and chemical industries and in industrial kitchens.
-Grouting of tiles without any sagging.
-Dry laying without adhesive cement.

HOW TO USE

JOINT PREPARATION

Before to the application of **PROFESSIONAL PX COLD**, we will clean all the joints. The premise is to have resistant, solid joints, free of dust, paint, waxes and oils.

PREPARATION OF COMPONENTS

-The ideal application temperature is +10°C, although at +5°C the polymerisation reaction also takes place efficiently and quickly. In any case, if the liquids are cold and viscous, immerse the bottles in hot (not boiling) water until they become fluid.
-Pour the powder on top of the liquids.
-Mix with a spiral beater attached to an electric drill at high rpm.

PREPARATION OF THE MIXTURE

-One set consists of: 1 large bottle of liquid + 1 small bottle of liquid + 1 bag of powder.
-Empty the contents of the two bottles into the bucket. Add the powder. Mix with a spiral beater attached to an electric drill at high rpm.

APPLICATION OF THE MIXTURE

Manual grouting of coverings and/or floorings:
-Fill the joints with the rubber spatula **FIX-ESPATULA**.
-Make diagonal strokes to the joints.
-Collect the excess with the edge of the same spatula.
-Cleaning: remove any residue immediately.
-Use the **FIX-ESTROPAJO**: trowel with a white fibre Scotch-Britte of 1 cm thick.
-Cold water is enough, although if it is lukewarm, the process is simpler.
-Liquid residues are collected with the **FIX-ESPONJA**: trowel with a special sponge. Rinse with the **FIX-BUCKET** sponge.
-Final cleaning is carried out the next day with water, soap and the **FIX-ESTROPAJO**.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
Temperature of application	from +5ºC to +15ºC
Useful life	2 hours (at +5ºC)
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	0 - 10 minutes
Can be walked on after	9 hours (at +5ºC)
Final hardening	24 hours (at +5ºC)
Resistance to abrasion	≤ 250 mm^3
Resistance to flextion/compression after dry storing	≥ 30 N/mm^2; ≥ 45 N/mm^2
Shrinkage	≤ 1.5 mm/m
Water absorption (after 240 min)	≤ 0.1 g
Initial shear adhesion and after immersion	≥ 2 N/mm^2; ≥ 2 N/mm^2
Shear adhesion after thermal shock	≥ 2 N/mm^2
Open time adhesion (20 min)	≥ 0.5 N/mm^2
Slip	≤ 0.5 mm
Range of working temperatures	from -20ºC to +50ºC
Consumption	consult technical dept.
Estimated expiration	30 months
Presentation	5 kg and 20 kg

FIXACER

C1T according to EN12.004

Universal cementitious adhesive for fixing glazed decorative tiles, mosaic and stoneware.

White Grey

MAIN FEATURES

-High quality cement.
-Formulated with cement, finely granulated and selected aggregates and synthetic additives which, when mixed with water, provide a cement that is easy to work with the notched trowel; better water retention and high adhesiveness for pieces with absorption >3%.

FIELDS OF APPLICATION

-High quality universal tile adhesive for laying stoneware, ceramic tiles, mosaics, floor tiles and walls with absorption >3%, in interiors.
-Laying of red or white body ceramic tiles, paper or mesh ceramic mosaics, extruded stoneware, on mortar, render and plaster substrates, among others.
-Laying glazed decorative tiles, stoneware, ceramic mosaic and similar, on mortar, brick and waterproof plasterboard substrates.

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set.

PREPARATION OF THE MIXTURE

-Mix 6.25 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE

-Preferably use a notched trowel, with the size of the teeth depending on the size of the tile to be applied.
-Not wet the tiles before laying them.
-Apply the tiles exerting sufficient pressure to ensure a minimum contact with the cement of 80%.

GROUTING OF CERAMICS

-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.5 g/cm³
Mixing water	6.25 L / 25 kg sack
Density of the mixture	1.4 g/cm³
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 0.5 N/mm²
Adhesion after immersion in water	≥ 0.5 N/mm²
Adhesion after heating	≥ 0.5 N/mm²
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm²
Open time adhesion	≥ 0.5 N/mm² after 20 min
Slip	< 0.5 mm
Consumption	from 2 to 5.5 kg/m²
Estimated expiration	12 months
Presentation	25 kg

FIX-PORCELANICO FLEX

C2TE according to EN12.004

Specific cementitious adhesive for bonding stoneware, porcelain stoneware and natural stone in interior and exterior flooring.

White Grey

MAIN FEATURES
-Traditional texture.
-Flexible.
-High adhesion.
-Non-sagging.
-Applicable in thicknesses from 3 to 10 mm.
-Normal setting cement.

FIELDS OF APPLICATION
-Ideal for industrial installations and domestic use. Terraces and high traffic areas, such as commercial spaces and shops.
-Ideal for bonding vitreous mosaic and porcelain stoneware.
-Specific for indoor and outdoor bonding of glazed decorative tiles, stoneware, porcelain stoneware, mosaics and terracotta.
-Suitable for laying ceramic tiles on gypsum plaster, plaster, plaster partitions, plasterboard Pladur (drywall) or waterproof Pladur and on any other facing composed primarily of gypsum.
-Adheres perfectly on **RECRECEM PRE-MIX**, **FIX-REVOCO**, **FIX-NIVEL** or similar.

HOW TO USE

SUPPORT PREPARATION
All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or substrates exposed to the sun in hot weather should be dampened previously to prevent the rapid loss of water from the mixture.

PREPARATION OF THE MIXTURE
-Mix 6.25 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE
-Preferably use a notched trowel, with the size of the teeth depending on the size of the tile to be applied.
-Not wet the tiles before laying them.
-Apply the tiles exerting sufficient pressure to ensure a minimum contact with the cement of 80%.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS
-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.34 g/cm³
Mixing water	6.25 L / 25 kg sack
Density of the mixture	1.43 g/cm³
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm²
Adhesion after immersion in water	≥ 1.0 N/mm²
Adhesion after heating	≥ 1.0 N/mm²
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² after 30 min
Slip	< 0.5 mm
Transverse deformation	≥ 1.0 mm
Consumption	from 2 to 5.5 kg/m²
Estimated expiration	12 months
Presentation	25 kg

FIX-PORCELANICO GEL

C2TE according to EN12.004

Specific cementitious adhesive with a GEL texture for bonding stoneware, porcelain stoneware and natural stone in interior and exterior flooring.

White Grey

MAIN FEATURES
-GEL texture.
-Flexible.
-High adhesion.
-Non-sagging.
-Very fine.
-Applicable in thicknesses from 3 to 10 mm.
-Normal setting cement.

FIELDS OF APPLICATION
-Specific cementitious adhesive for bonding porcelain stoneware on mortar indoors and outdoor floors.
-Ideal cementitious adhesive for bonding and grouting glass blocks.
-Specific for indoor bonding of glazed decorative tiles, stoneware, porcelain stoneware, mosaics and terracotta.
-Suitable for laying ceramic tiles on gypsum plaster, plaster, plaster partitions, plasterboard Pladur (drywall) or waterproof Pladur and on any other facing composed primarily of gypsum.
-Adheres perfectly on **RECRECEM PRE-MIX**, **FIX-REVOCO**, **FIX-NIVEL** or similar.

HOW TO USE

SUPPORT PREPARATION
All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE
-Mix 6.5 litres of water per bag of 25 kg.
-Use an electric mixer at low r.p.m. to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE
-Preferably use a notched trowel, with the size of the teeth depending on the size of the tile to be applied.
-Not wet the tiles before laying them.
-Apply the tiles exerting sufficient pressure to ensure a minimum contact with the cement of 80%.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS
-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.58 g/cm³
Mixing water	6.5 L / 25 kg sack
Density of the mixture	1.61 g/cm³
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm²
Adhesion after immersion in water	≥ 1.0 N/mm²
Adhesion after heating	≥ 1.0 N/mm²
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² after 30 min
Slip	< 0.5 mm
Transverse deformation	≥ 1.0 mm
Consumption	from 2 to 5.5 kg/m²
Estimated expiration	12 months
Presentation	25 kg

FIXAGRES FLEX CAPA GRUESA

C2TE according to EN12.004

Cementitious adhesive for laying stoneware, porcelain stoneware, marble and granite, WITHOUT a previous regularisation of the substrate. Maximum thickness 25 mm.

Grey

MAIN FEATURES

-High adhesion.
-High flexibility.
-Easy to work with.
-Applicable horizontally and vertically.
-Non-sagging.
-Applicable in maximun thicknesses of 25 mm.
-Normal setting cement.

FIELDS OF APPLICATION

-For bonding porcelain stoneware, ceramics and natural stone indoors and outdoors.
-For uneven mortar substrates.
-Suitable for tiling directly on substrates that have not been pre-regularised, achieving thicknesses of up to 25 mm.
-Laying of both floor tiles and walls.
-Laying of dovetailed parts, rustic parts, steps.

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE

-Mix 5.0 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE

-When the substrate is irregular, spread a thin layer previously with the help of a FINE trowel. Then apply the necessary amount of cement with the toothed trowel.
-It is recommended to use the semi-circular toothed trowel as it is the one that leaves a greater and uniform thickness of cement.
-Not wet the tiles before laying them.
-Apply enough pressure to ensure a minimum contact of 80%.

GROUTING OF CERAMICS

-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.66 g/cm³
Mixing water	5.0 L / 25 kg sack
Density of the mixture	1.69 g/cm³
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 25 mm
Initial adhesion	≥ 1.0 N/mm²
Adhesion after immersion in water	≥ 1.0 N/mm²
Adhesion after heating	≥ 1.0 N/mm²
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² after 30 min
Slip	< 0.5 mm
Consumption	1.6 kg/m² per mm of thickness
Estimated expiration	12 months
Presentation	25 kg

FIXAFLEX GEL

C2TES1 according to EN12.004

High-adhesion cementitious adhesive, extraordinary flexibility and a gel texture: very fine and non-sagging.

White Grey

MAIN FEATURES

-Specific mixture of cements, aggregates, special additives and resins.
-Easy and pleasant to use due to its special viscosity and thixotropy.
-High adherence.
-Extraordinary flexibility.
-GEL texture: very thin and anti-sagging.
-Applicable in thicknesses from 3 to 10 mm.

FIELDS OF APPLICATION

-Due to its high flexibility, it is the ideal product for the installation of ceramic tiles OUTDOORS, in applications such as: façades, balconies, terraces, high-traffic areas, airports, supermarkets, hospitals and underfloor heating.
-Laying stoneware, porcelain stoneware and natural stone on mortar flooring and anhydrite floors without a previous priming.
-Laying stoneware, porcelain stoneware directly on waterproof Pladur type plasteboard, or laying stoneware or porcelain stoneware on plaster or STANDARD plasterboard with a previous priming of **HIDROPRIMER**.
-Installation of polystyrene insulation panels, mineral wool and soundproof panels, among others.

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE

-Mix 7.5 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE

-Preferably use a notched trowel with appropriately sized teeth.
-Not wet the tiles before laying.
-Apply enough pressure to ensure a minimum contact of 80%.
-On façades and for bonding tiles of more than 30 x 30 cm, or more than 40 Kg/m^2, also use a similar metal anchor.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS

-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.5 g/cm^3
Mixing water	7.5 L / 25 kg sack
Density of the mixture	1.7 g/cm^3
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm^2
Adhesion after immersion in water	≥ 1.0 N/mm^2
Adhesion after heating	≥ 1.0 N/mm^2
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 after 30 min
Slip	< 0.5 mm
Transverse deformation	≥ 2.5 mm
Consumption	from 2 to 5.5 kg/m^2
Estimated expiration	12 months
Presentation	25 kg

FIXARAPID FLEX

C2TES1 according to EN12.004

Cementitious adhesive for urgent renovations: walkable after 90 minutes! Very high resistances in only 6 hours.

Grey

MAIN FEATURES

-Cementitious adhesive that exceeds the standards: it has an extended open time, has a unique pot-life, and achieves bond strengths exceeding 0.5 N/mm² in only 6 hours.
-Very easy to apply: its rapid setting ability is activated immediately after the ceramic has been laid. It is a fast-setting adhesive with an extended open time.
-Allow transit 90 minutes after laying to proceed with the start of grouting.

FIELDS OF APPLICATION

-Laying of any type of tile: porcelain stoneware, vitreous mosaic, hydraulic flooring, etc., on flooring and walls, both indoors and outdoors, where reopening is required "on the fly", on mortar substrates, plaster, **PAVIFORT**, **RECRECEM PRE-MIX**, **FIX-REVOCO**, **FIX-NIVEL** or similar.
-Ideal for laying natural stone, slate, marble, granite,..., as due to its rapid setting, we avoid the appearance of efflorescence.
-Repairs in bathrooms, kitchens, terraces, public offices, supermarkets, industries,...
-Overlapping of stoneware, porcelain stoneware, marble,..., on stoneware, terrazzo, tile,..., in a fast way.

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE

-Mix 6.4 litres of water per bag of 25 kg.
-Use an electric mixer at low r.p.m. to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE

-Preferably use a notched trowel with appropriately sized teeth.
-Not wet the tiles before laying.
-Apply enough pressure to ensure a minimum contact of 80%.
-On façades and for bonding tiles of more than 30 x 30 cm, or more than 40 Kg/m², also use a similar metal anchor.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS

-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.43 g/cm³
Mixing water	6.4 L / 25 kg sack
Density of the mixture	1.51 g/cm³
Temperature of application	from +5ºC to +35ºC
Adjustment time	10 minutes
Grouting time	90 minutes
Can be walked on after	6 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.5 N/mm² after 5 days
Adhesion after immersion in water	≥ 1.0 N/mm²
Adhesion after heating	≥ 1.0 N/mm²
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² after 10 min
Slip	< 0.5 mm
Transverse deformation	≥ 2.5 mm
Consumption	from 2 to 5.5 kg/m²
Estimated expiration	12 months
Presentation	25 kg

FIXMAX S2 GEL

C2TES2 according to EN12.004

Highly deformable cementitious adhesive with extraordinary adhesion and GEL texture, ideal for façades. Super-lightweight: yields 30% more.

White Grey

MAIN FEATURES

With **FIXMAX S2 GEL** mixed with water, we get more volume. This means:
-lower density of the mixture
-easier mixing
-higher yield per kg of powder: we consume 30% less product.
-lower transport costs
-high thixotropy: non sagging
-extended open time
-longer setting time of the ceramic.

FIELDS OF APPLICATION

-Ideal for laying ceramic tiles of any format, even 1 x 3 ml, indoors and outdoors. For example: stoneware, porcelain stoneware and vitreous mosaic.
-Suitable for bonding natural stone that is not particularly sensitive to water.
-With **FIXMAX S2 GEL** it is possible to glue on plaster substrates, gypsum, plasterboard, mortar, concrete, prefabricated panels, fibre cement, heating floors, overlays, mortar substrates that are not fully cured.
-Its flexible properties allow it to be installed in places subject to vibrations: supermarkets, industries, airports, high traffic areas, schools and hospitals.
-It is ideal for exterior façades, balconies, terraces, swimming pools, kitchens, offices, stadiums, hotels.

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE

-Mix 5.4 - 5.8 litres of water per bag of 20 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE

-Preferably use a notched trowel with appropriately sized teeth.
-Not wet the tiles before laying.
-Apply enough pressure to ensure a minimum contact of 80%.
-On façades and for bonding tiles of more than 30 x 30 cm, or more than 40 Kg/m^2, also use a similar metal anchor.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS

-We recommend using **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.2 g/cm^3
Mixing water	5.4 - 5.8 L / 20 kg sack
Density of the mixture	1.2 g/cm^3
Temperature of application	from +5ºC to +35ºC
Adjustment time	40 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 15 mm
Initial adhesion	≥ 1.0 N/mm^2
Adhesion after immersion in water	≥ 1.0 N/mm^2
Adhesion after heating	≥ 1.0 N/mm^2
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 after 30 min
Slip	< 0.5 mm
Transverse deformation	≥ 5 mm
Consumption	from 1.5 to 3.85 kg/m^2
Estimated expiration	12 months
Presentation	20 kg

FIXSET GEL

C2TE according to EN12.004

Cementitious adhesive with GEL texture for bonding porcelain stoneware or vitreous mosaic. Suitable for grouting swimming pools with traditional chlorine purification.

White Grey

MAIN FEATURES
-GEL texture
-Flexible
-High plasticity
-Mono-component
-High adhesion
-Non sagging
-Very fine
-Applicable in thicknesses from 3 to 10 mm.
-Normal setting cement.

FIELDS OF APPLICATION
-Cementitious adhesive for bonding and grouting porcelain stoneware and vitreous mosaics in swimming pools that use traditional chlorination with chlorine.
-Suitable for bonding porcelain stoneware on mortar in interior and exterior floors.
-We recommend using **FIXSET GEL** to bond porcelain stoneware, terracotta, mosaic or tiles in interiors if you want to achieve a higher resistance to humidity than that provided by **FIXACER** in bathrooms and showers.
-Suitable for laying on gypsum plaster, plaster, plaster partition walls, plasterboard Pladur or waterproofed Pladur.
-It adheres perfectly on **RECRECEM PRE-MIX**, **FIX-REVOCO**, **FIX-NIVEL**, **HIDROFIX** and I**MPERTOT**.

HOW TO USE

SUPPORT PREPARATION
All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE
-Mix 7.25 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE
-Preferably use a notched trowel with appropriately sized teeth.
-Not wet the tiles before laying.
-Apply enough pressure to ensure a minimum contact of 80%.
-On façades and for bonding tiles of more than 30 x 30 cm, or more than 40 Kg/m^2, also use a similar metal anchor.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS
-Use **FIXSET GEL**, **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **IDEAL POOL**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.24 g/cm^3
Mixing water	7.25 L / 25 kg sack
Density of the mixture	1.75 g/cm^3
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm^2
Adhesion after immersion in water	≥ 1.0 N/mm^2
Adhesion after heating	≥ 1.0 N/mm^2
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 after 30 min
Slip	< 0.5 mm
Consumption	from 2 to 5.5 kg/m^2
Estimated expiration	12 months
Presentation	25 kg

TECNOCOL GEL

C2TES1 according to EN12.004

Super-adhesive and flexible single-component cementitious adhesive with a GEL texture for bonding vitreous mosaic or porcelain stoneware on **HIDROELASTIC** or **LAMINA PROOF** waterproofing in swimming pools.

White Grey

MAIN FEATURES
-GEL texture.
-Flexible.
-High plasticity.
-High adhesion.
-Non sagging.
-Very fine.
-Applicable in thicknesses from 3 to 10 mm.
-Normal setting cement.
-Cement easy to work with the notched trowel, due to its thixotropy and extended open time.

FIELDS OF APPLICATION
-Cementitious adhesive specially formulated for strict compliance with the standard for bonding porcelain stoneware tiles in swimming pools directly onto **HIDROELASTIC**, **LAMINA PROOF** or **LAMINA STEEL** waterproofing.
-Suitable for indoor 'Silestone' installation, without heating and without hot water pipes.
-Suitable for delicate laying of NON ABSORBENT ceramic tiles on NON ABSORBENT ceramic substrates.
-Laying of natural stone, slate, marble, granite, large formats...
-Suitable for OVERLAY: porcelain stoneware on terrazzo, tile on tile, stoneware on stoneware, marble on stoneware, etc.

HOW TO USE

SUPPORT PREPARATION
All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE
-Mix 8.0 litres of water per bag of 25 kg.
-Use an electric mixer at low rpm to avoid lumps.
-Leave to rest for 2 minutes and remix, to have the paste ready for use.

APPLICATION OF THE MIXTURE
-Preferably use a notched trowel with appropriately sized teeth.
-Not wet the tiles before laying.
-Apply enough pressure to ensure a minimum contact of 80%.
-On façades and for bonding tiles of more than 30 x 30 cm, or more than 40 kg/m^2, also use a similar metal anchor.
-We will protect the recently laid flooring from excessive heat, frost, rain,... for at least 24 hours after laying.

GROUTING OF CERAMICS
-We recommend using **FIXSET**, **FIXCOLOR**, **EUROCOLOR FLEX**, **IDEAL COLOR**, **IDEAL POOL**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

Density in powder	1.3 g/cm^3
Mixing water	8.0 L / 25 kg sack
Density of the mixture	1.4 g/cm^3
Temperature of application	from +5ºC to +35ºC
Adjustment time	30 minutes
Grouting time	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm^2
Adhesion after immersion in water	≥ 1.0 N/mm^2
Adhesion after heating	≥ 1.0 N/mm^2
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 after 30 min
Slip	< 0.5 mm
Transverse deformation	≥ 2.5 mm
Consumption	from 2 to 5.5 kg/m^2
Estimated expiration	12 months
Presentation	25 kg

TRIPLE F GEL

CMP (EN14.891); MC-IR (EN1.504-2); C2TES1 (EN12.004); CG2WA (EN13.888)

TRIPLE solution for waterproofing, bonding and grouting with a unique SINGLE product. The ultimate product: the easiest, no waste, no confusion, no over-stocks and with GEL texture.

White Grey

MAIN FEATURES

-Waterproofing classified as CMP.
-Flexible and with maximum adhesion.
-GEL texture.
-Creamy, smooth and easy to apply.
-Anti-sagging.
-Applicable in thicknesses from 3 to 10 mm thick.
-Normal setting cement.
-Bright white.
-Extended open time.
-Saves time and speeds up the project.

FIELDS OF APPLICATION

-It is the ideal product for waterproofing, laying ceramic tiles and grouting using ONLY ONE PRODUCT. It avoids waste, dosing errors, confusion and loss of productivity.
-Ideal for the inside of the swimming pool, the overflow channel and the regulating basin.
-Perfect for bonding ceramic or vitreus mosaic tiles on top of the previous waterproofing.
-Grouting of traditionally chlorinated swimming pools.
-Waterproofing and bonding ceramic tiles in bathrooms, changing rooms, swimming pool decks, terraces, balconies.
-Ideal also in supermarkets, industries, airports, high traffic areas, schools...

HOW TO USE

SUPPORT PREPARATION

All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the fast loss of water from the mixture.

PREPARATION OF THE MIXTURE

-As a waterproofing agent: mix 8.5 litres of water per bag of 25 kg.
-As a cementitious adhesive or grout: mix 6.6 - 7.1 litres of water per bag of 25 kg.
-Use electric mixer; Let rest for 2 minutes and remix.

APPLICATION OF THE MIXTURE

-As a waterproofing agent: apply two coats of maximum 1 mm per coat.
-As cementitious adhesive: use a notched trowel, of appropriate tooth size.
-Apply enough pressure to ensure a minimum contact of 80%.
-As grouting: use the **FIX-ESPATULA**; apply diagonally to the joints; allow to dry for 15 - 30 minutes and remove the remains with the **FIX-ESTROPAJO** and cold water; collect the liquid remains with the **FIX- ESPONJA**.
-Protect the floor from excessive heat, frost, rain, etc... for the first 24 hours.

GROUTING OF CERAMICS

-Use **TRIPLE F GEL**, **IDEAL POOL**, **CERPOXI** or **PROFESSIONAL PX**.
-In expansion joints apply a specific and elastic material (use **SELLALASTIC** or **SILICONA NEUTRA**).

TECHNICAL DATA

GENERAL DATA	Density in powder	1.07 g/cm³
	Density of the mixture	1.4 g/cm³
	Temperature of application	from +5ºC to +35ºC
	Estimated expiration and presentation	12 months / 25 kg
AS A WATERPROOF MEMBRANE	Mixing water	8.5 L / 25 kg
	Initial adhesion; after immersion; after heating	≥ 0.5 N/mm²
	Waterproofing	100% (1.5 bar / 7 days)
	Resistance to cracking	≥ 0.75 mm (+23 ± 2ºC)
	Adhesion after freezing/thawing cycles & after immersion in chlorinated water	≥ 0.5 N/mm²
	Capillary absorption	μ < 0.1 kg/m²·h$^{0.5}$N/mm²
	Water vapour permeability	Class I
	Adhesion strength pull-off test	>0.8 N/mm² - flexible system
	Release of dangerous substances	Complies with 5.3
	Consumption	2.5 kg/m²
AS CEMENTITIOUS ADHESIVE	Proportion of mix	6.6 - 7.1 L / 25 kg sack
	Open time, adjusting time and pot life	40 min / 24 hours
	Can be walked on after:	48 hours
	Layer thickness	<15 mm
	Adhesion: Initial After immersion, heating & freezing/thawing	≥ 1.0 N/mm² ≥ 1.0 N/mm²
	Open time: adhesion (30 min.)	≥ 0.5 N/mm²
	Slip	<0.5 mm
	Transverse deformation	≥ 2.5 mm
	Consumption for glass mosaic or ceramic tiles	2.0 or 3.5-5 kg/m²
AS GROUT	Proportion of mix	6.6 - 7.1 L / 25 kg sack
	Resistance to abrasion	≤1000 mm³
	Bending strength-dry storage and after cycles	≥ 2.5 N/mm²
	Compressive strength-freezing/thawing cycles	≥ 15 N/mm²
	Shrinkage	≤ 3 mm/m
	Water absorption after 30 min and 240 min	≤2 g / ≤ 5 g
	AConsumption for glass mosai	1.5 kg/m²

PAVIFORT

CT-C24-F6 according to EN13.813

Pre-mixed mortar of normal setting and fast drying for the realisation of SCREEDS. In only 3 days the real residual humidity is less than 3%.

Grey

MAIN FEATURES

-High compressive and flexural strength.
-Its formulation allows you to save time and safety in the execution of screeds. It avoids mistakes.
-Very fast drying, it can be walked on within a few hours and after 24 hours.
-**PAVIFORT** is a non-shrink mortar that avoids the production of stresses and cracks of conventional mortar.
-Can be used in any thickness.
-Do not apply in swimming pools.

FIELDS OF APPLICATION

-Ideal for indoors, outdoors and terraces.
-Urgent repairs in transit areas: restaurants, shops, corridors.
-Produces shrink-free screeds with normal working time and fast drying.
-To guarantee a perfect substrate in technical locations: industries, supermarkets, airports and spaces with demanding technical characteristics.
-Suitable in screeds with radiant heating.
-Suitable for making floating screeds or screeds adhered to the substrate.

HOW TO USE

SUPPORT PREPARATION

-Apply **PAVIFORT** on slabs, mortar, concrete, old ceramics,...
-The substrates must be in good conditions, without flaking, cracks, dust,...
-**Screeds with a thickness of less than 4 cm:** apply a bonding slurry previously. On ceramic tiles apply **BOND-COAT**. On mortar, mix 1 part of **PRIMFIX** with 1 part of cement (25 litres of **PRIMFIX** + 1 cement bag of 25 kg). Caution: spread the mortar on the bonding grout while it is still fresh.
-**Screeds thicker than 4 cm:** in this case, make a screed that is completely uncoupled from the substrate, previously placing a polyethylene film. Pour the **PAVIFORT** mortar over this film (for swimming pools and saunas, consult us).

PREPARATION OF THE MIXTURE

-Mix 2.6 litres of water per each 25 kg. Mix for 4 or 5 minutes. The mortar should have a "wet sand" consistency. At this point, don't add more water.
-Mix with an automatic pump, mixer, truck mixer...

APPLICATION OF THE MIXTURE

-Pour the prepared **PAVIFORT** mortar directly onto the still wet grout or on the polyethylene film.
-Level, screed and trowel this mortar as if it were a normal Portland mortar. It is a very docile mortar and easy to treat. The finish achieved with a "helicopter" is ideal, as it leaves the surface completely closed.

COMMENTS TO TAKE INTO ACCOUNT

-Make expansion joints (use **SELLALASTIC** or **SILICONA NEUTRA**).
-When the extension to be screeded is done in phases, we will ensure perfect continuity between phases by priming with **BOND-COAT** or by adding a mesh between the previous phase and the next one.

TECHNICAL DATA

Density in powder	1.64 g/cm^3
Mixing water	2.6 L / 25 kg sack
Density of the mixture	2.0 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Residual damp (+20ºC; 60%R.H.)	3.0% (48 hrs) / 2.1% (7 days)
Can be walked on after	12 hours
Thickness of layer	1 cm minimum
Resistance to flexion	5.3 N/mm^2
Resistance to compression	24.1 N/mm^2
Thermal conductivity	1.3 W/m·K
Range of working temperatures	from -30ºC to +90ºC
Consumption	16 - 18 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg

FIX-REVOCO

GP-CSIV-W2 according to EN998-1

Pre-mixed mortar for making PLASTER in walls. It is a CONSTANT QUALITY mortar, when the application requires safety. In only 3 days the real residual humidity is less than 3%.

Grey

MAIN FEATURES

-High compressive and flexural strength.
-Its formulation allows you to save time and safety in the execution of screeds. It avoids mistakes.
-Pre-dosed mortar without clays, ashes or expansive sands. Constant formulation.
-Very fast drying, it can be walked on within a few hours and after 24 hours ceramic tiles can be laid on top of it.
-Fast drying: in only 3 days real residual humidity of less than 3%.
-Maximum thickness of one pass up to 25 mm.

FIELDS OF APPLICATION

-Ideal for any type of rendering up to 25 mm thick in swimming pools, interiors, exteriors, industries and façades.
-It is designed for those important applications where the durability of the tile installation starts in the mortar screeds.
-Plasters can be made on walls and floors, hard to touch after 12 hours.
-Ceramic tiles can be laid after 24 hours.
-Dry plaster after 3 days, and suitable for laying natural stone, parquet.

HOW TO USE

SUPPORT PREPARATION

-With **FIX-REVOCO** we can apply mortar plaster on brick, concrete, mortar, concrete block walls, ... These substrates will be in good conditions, with no flaking, cracks, dust, release oils, etc.
-We must ALWAYS check the absorption of the substrate in the following way: wet it with a brush, and check if it gets wet when we pass our hand over it. If this is the case, it means that the support is not absorbent, so do not wet it previously. If, on the other hand, once the support has been wetted with the brush, it remains dry when you pass your hand over it, it means that the support is absorbent. In this case, the substrate must be dampened before applying **FIX-REVOCO**.

PREPARATION OF THE MIXTURE

-Mix 4.0 litres of water per each 25 kg. Mix for 4 or 5 minutes. The mortar should have a "wet sand" consistency. At this point, don't add more water.
-Mix with an automatic pump, mixer, truck mixer...

APPLICATION OF THE MIXTURE

-It is VERY IMPORTANT to apply a first coat of mortar with the fine part of the trowel. Immediately afterwards we can apply the required thickness of mortar.
-Once the space between two masters has been filled, level the parament.
-This mortar can be levelled, screeded and trowelled like any other mortar. It is a very docile and easy to treat mortar.

COMMENTS TO TAKE INTO ACCOUNT

-Make expansion joints in structural and perimeter joints.
-In swimming pools and when the absorption of the concrete is not very well defined, it is better to apply a bonding slurry with 1 part of **PRIMFIX** + 1 part of cement. **FIX-REVOCO** should be applied "wet-on-wet".

TECHNICAL DATA

Density in powder	1.6 g/cm^3
Mixing water	4.0 L / 25 kg sack
Density of the mixture	1.8 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Residual damp (+20ºC; 60%R.H.)	2.8% (48 hrs) / 1.8% (7days)
Can be walked on after	12 hours
Thickness of layer	< 25 mm
Capillary absorption	c = 0.1 kg/m^2·min$^{0.5}$ < 0.2
Water vapour permeability	μ = 8.3
Adhesion	1.1 N/mm^2 - crack type A
Resistance to compression	> 6.0 N/mm^2
Reaction to fire	A1
Slip	< 0.5 mm
Thermal conductivity	1.3 W/m·K
Range of working temperatures	from -30ºC to +90ºC
Consumption	15 - 18 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg

FIX-REVOCO PROYECTABLE

GP-CSIV-W2 according to EN998-1

SPRAYABLE pre-mixed mortar for plastering walls. It is a CONSTANT QUALITY mortar when the application requires safety and durability. Especially to swimming pools.

Grey

MAIN FEATURES

-An ingenious mix of sands, hydraulic cement and specific additives to obtain a pre-mixed sprayable mortar capable of setting normally but drying quickly: it is firm to the touch in 12 hours.
-Contains no clays, no ashes, no expansive sands
-In only 3 days its residual humidities are less than 3%.
-It is a quality plaster with a constant formulation.

FIELDS OF APPLICATION

-It is ideal for achieving high production yields and for making plasters up to 25 mm thick in swimming pools, interiors, exteriors, industries and façades.
-It is designed for those important applications where the durability of the tile installation begins in the mortar screeds.
-It is applied without primer and bonding bridge.
-Its specific granulometry is ideal for plastering walls and for use on mechanically undemanding floors.

HOW TO USE

SUPPORT PREPARATION

-With **FIX-REVOCO** we can apply mortar plaster on brick, concrete, mortar, concrete block walls, ... These substrates will be in good conditions, without flaking, cracks, dust, release oils, etc.
-We must ALWAYS check the absorption of the substrate in the following way: wet it with a brush, and check if it gets wet when we pass our hand over it. If this is the case, it means that the support is not absorbent, so do not wet it previously. If, on the other hand, once the support has been wetted with the brush, it remains dry when you pass your hand over it, it means that the support is absorbent. In this case, the substrate must be dampened before applying the render.

PREPARATION OF THE MIXTURE

-Mix 4.25 litres of water per each 25 kg. Mix for 4 or 5 minutes. The mortar should have a "wet sand" consistency. At this point, don't add more water.
-Mix with an automatic pump, mixer, truck mixer...

APPLICATION OF THE MIXTURE

Use an appropriate and specific machine for spraying this type of mortars.
-Pour the product into the receiving hopper and SPRAY the product using a 10 mm nozzle and an air pressure of at least 2.5 Bar. Then regulate between masters.

COMMENTS TO TAKE INTO ACCOUNT

-Make expansion joints in structural and perimeter joints.
-In swimming pools and when the absorption of the concrete is not very well defined, it is better to apply a bonding slurry with 1 part of **PRIMFIX** + 1 part of cement. **FIX-REVOCO PROYECTABLE** should be applied "wet-on-wet".

TECHNICAL DATA

Density in powder	1.6 g/cm^3
Mixing water	4.25 L / 25 kg sack
Density of the mixture	1.6 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Residual damp (+20ºC; 60%R.H.)	2.8% (48 hrs) / 1.8% (7days)
Can be walked on after	12 hours
Thickness of layer	< 25 mm
Capillary absorption	c = 0.1 kg/m^2·min$^{0.5}$ < 0.2
Water vapour permeability	μ = 12
Adhesion	0.8 N/mm^2 - crack type B
Resistance to compression	> 6.0 N/mm^2
Reaction to fire	A1
Slip	< 0.5 mm
Thermal conductivity	1.3 W/m·K
Range of working temperatures	from -30ºC to +90ºC
Consumption	15 - 18 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg

RECRECEM PRE-MIX

CT-C35-F8 according to EN13.813

Non-adhesive, pre-mixed, normal-setting, fast-drying mortar for screeds. In only 3 days the real residual humidity is less than 3%. Especially for swimming pools.

Grey

MAIN FEATURES

-High compressive and flexural strength.
-Its formulation allows you to save time and safety in the execution of screeds. It avoids mistakes.
-Very fast drying, it can be walked on within a few hours and after 24 hours ceramic tiles can be laid on it.
-**RECRECEM PRE-MIX** is a mortar that has no retraction and avoids the production of tensions and cracks of conventional mortars.
-Suitable for all thicknesses.
-It is the ideal mortar for swimming pool screeds.

FIELDS OF APPLICATION

-Ideal for indoor, outdoor, terraces and pools.
-Urgent repairs in transit areas: restaurants, shops, corridors.
-Shrinkage-free screeds with normal working time and fast drying.
-To guarantee a perfect support in technical locations: industries, supermarkets, airports and spaces with demanding technical characteristics.
-Suitable in screeds with radiant heating.
-Suitable for making floating screeds or adhered to the substrate.

HOW TO USE

SUPPORT PREPARATION

-Apply **RECRECEM PRE-MIX** on slabs, mortars, concrete, ceramics,...
-The substrates must be in good conditions, without flaking, cracks, dust,...
-**Screeds with a thickness of less than 4 cm:** apply a bonding slurry previously. On ceramic tiles apply **BOND-COAT**. On mortar, mix 1 part of **PRIMFIX** with 1 part of cement (25 litres of **PRIMFIX** + 1 cement bag of 25 kg). Caution: spread the mortar on the bonding grout while it is still fresh.
-**Screeds thicker than 4 cm:** in this case, make a screed that is completely uncoupled from the substrate, previously placing a polyethylene film. Pour the mortar over this film (for swimming pools and saunas, consult us).

PREPARATION OF THE MIXTURE

-Mix 2.6 litres of water per each 25 kg. Mix for 4 or 5 minutes. The mortar should have a "wet sand" consistency. At this point, don't add more water.
-Mix with an automatic pump, mixer, truck mixer...

APPLICATION OF THE MIXTURE

-Pour the prepared **RECRECEM PRE-MIX** mortar directly onto the still wet grout or on the polyethylene film.
-Level, screed and trowel this mortar as if it were a normal Portland mortar. It is a very docile mortar and easy to treat. The finish achieved with a "helicopter" is ideal, as it leaves the surface completely closed.

COMMENTS TO TAKE INTO ACCOUNT

-When the extension to be screeded is done in phases, ensure perfect continuity with **BOND-COAT** primer or add a mesh between phases.
-In swimming pools, the bonding grout must ALWAYS be made, whether or not the thickness of the screed is greater than 4 cm.

TECHNICAL DATA

Density in powder	1.64 g/cm^3
Mixing water	2.6 L / 25 kg sack
Density of the mixture	2.0 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Residual damp (+20ºC; 60%R.H.)	2.7% (48 hrs) / 1.8% (7days)
Can be walked on after	12 hours
Thickness of layer	1 cm minimum
Resistance to flexion	> 8.0 N/mm^2
Resistance to compression	> 35.0 N/mm^2
Thermal conductivity	1.3 W/m·K
Range of working temperatures	from -30ºC to +90ºC
Consumption	18 - 20 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg

TECHMORTAR R60

CT-C60-F10 according to EN13.813

Pre-dosed mortar, unique on the market thanks to its exceptional mechanical properties for the construction of SCREEDS subjected to very high technical stresses.

Grey

MAIN FEATURES

-Innovative dual-component technical mortar formulation.
-Mortar prepared with high-quality sands with an exact granulometry.
-Compressive strength higher than **60 MPa=600 Kg/cm²**.
-Saves time in the preparation of the mortar: it is only necessary to feed the mixer with water, predosed sand and **TECHMORTAR R60**.
-Normal setting and fast drying.

FIELDS OF APPLICATION

-Interiors and exteriors.
-It guarantees a perfect support in technical placements in industries, dairies, canneries, flour factories, supermarkets, airports...
-Ceramic tile installation after 24 hours.
-Dry screeds after 2 days (**RH<1%**), and suitable for laying parquet, linoleum, carpets...
-Floating screeds or adhered to the substrate.
-Screeds with underfloor heating.
-Not suitable for swimming pools.

HOW TO USE

SUPPORT PREPARATION

-Apply **TECHMORTAR R60** on slabs, mortars, concrete, ceramics,...
-The substrates must be in good conditions, without flaking, cracks, dust,...
-**Screeds with a thickness of less than 4 cm:** apply a bonding slurry previously. On ceramic tiles apply **BOND-COAT**. On mortar, mix 1 part **PRIMFIX** with 1 part cement (25 litres of **PRIMFIX** + 1 cement bag of 25 kg). Caution: spread the mortar on the bonding grout while it is still fresh.
-**Screeds thicker than 4 cm:** in this case, make a screed that is completely uncoupled from the substrate, previously placing a polyethylene film. Pour the mortar over this film (for swimming pools and saunas, consult us).

PREPARATION OF THE MIXTURE

-Example of mixing: In the 200 litres concrete mixer add: 1 sack of **TECHMORTAR R60** + 4 sacks of **ARENA 0/8** + approx. 10.5 - 11.0 litres of clean water. The resulting mortar should have the consistency of "wet sand". At this point, don't add more water. Mix for 4 or 5 minutes.

APPLICATION OF THE MIXTURE

-Pour the prepared **TECHMORTAR R60** mortar directly onto the still wet grout or on the polyethylene film.
-Level, screed and trowel this mortar as if it were a normal Portland mortar. It is a very docile mortar and easy to treat. The finish achieved with a "helicopter" is ideal, as it leaves the surface completely closed.

COMMENTS TO TAKE INTO ACCOUNT

-Make expansion joints (use **SELLALASTIC** or **SILICONA NEUTRA**).
-When the extension to be screeded is done in phases, we will ensure perfect continuity between phases by priming with **BOND-COAT** or by adding a mesh between the previous phase and the next one.

TECHNICAL DATA

Density in powder	1.04 g/cm³
Mixing water	10.5 L + 25 kg TECHMORTAR + 120 kg ARENA 0-8
Density of the mixture	1.97 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Residual damp (+20ºC; 60%R.H.)	1.0% (48 hrs) / 0.8% (7days)
Can be walked on after	12 hours
Thickness of layer	1 cm minimum
Resistance to flexion	> 10.0 N/mm²
Resistance to compression	> 61.9 N/mm²
Thermal conductivity	1.3 W/m·K
Range of working temperatures	from -30ºC to +90ºC
Consumption	3.1 kg/m²·cm thickness + 14.8 kg ARENA 0-8/m²·cm thickness
Estimated expiration	12 months
Presentation	25 kg

ANTI-OXID LIQUID

UNE-EN1504-7 neutralizer by passivation

Transparent liquid with a gel texture for the protection of ferrous armatures.

Transparent

MAIN FEATURES

-**ANTI-OXID LIQUID** stabilises the oxide present by transforming it into a stable and insoluble complex, thus protecting the surface from future corrosion (anodic passivation).
-**ANTI-OXID LIQUID** is a transparent, gel-textured, super-fluid additive.
-It is a ready-to-use liquid product. It does not need to be mixed with anything.
-Avoids future metal oxidation progression.
-Easy and cost-effective solution.

FIELDS OF APPLICATION

-Anti-corrosion primer for the protection of steel armatures.
-Applicable in marine environments or in chloride contaminated concrete.
-It also acts as a bonding bridge between the new concrete and the armature irons, as it reacts with the cement.
-It can be used on floors, walls, both INDOORS and OUTDOORS, and in swimming pools.

HOW TO USE

SUPPORT PREPARATION

-Remove any remains of deteriorated, unconnected, unsound, disintegrable, … concrete. Also remove all traces of dust, paints, waxes, release agents, ...
-Remove the thickest remains of rust. Brush and vacuum the dust....

PREPARATION OF THE MIXTURE

-**ANTI-OXID LIQUID** is a ready-to-use product.

APPLICATION OF THE MIXTURE

-Apply a uniform coat of **ANTI-OXID LIQUID** with the help of a brush, roller or spray system ....
-Allow to dry for 4 hours and apply a second uniform coat using the same method.
-When **ANTI-OXID LIQUID** has dried completely, after approximately 2 hours, we can re-coat our concrete structure with **FIX-REPAR R2** or **FIX-REPAR R4**.

TECHNICAL DATA

Type of neutraliser	by passivation
Appearance	clear gel-liquid
Density	1.34 g/cm^3
Temperature of application	from +5ºC to +35ºC
Viscosity	approx. 90 cP (+20ºC)
Toxicity	no
Flammability	no
Drying time between coats	from 30 min to 4 hours
Drying time of the last coat	2 hours (+20ºC)
Consumption	120 - 300 g/m^2
Estimated expiration	36 months
Presentation	1 L and 5 L

FIX-REPAR ANTI-OXID

UNE-EN1504-7 neutralizer by passivation

Pre-dosed, single-component, activated mortar for the protection of ferrous armatures.

Grey

MAIN FEATURES

-**FIX-REPAR ANTI-OXID** stabilises the oxide present, thus protecting the surface from future corrosion. This method of protection is technically defined as anodic passivation.

-**FIX-REPAR ANTI-OXID** is fast-curing and restores a high pH around it to protect the concrete.

FIELDS OF APPLICATION

-Anti-corrosion primer for the protection of steel armatures.

-It can be used in marine environments or in concrete contaminated with chlorides.

-Acts also as a bonding bridge between the new concrete and the armature irons, as it reacts with the cement.

-It can be used on floors, walls, both INDOORS and OUTDOORS, and in swimming pools.

HOW TO USE

SUPPORT PREPARATION

-Remove any remains of deteriorated, unconnected, unsound, disintegrable, … concrete. Also remove all traces of dust, paints, waxes, release agents, ...

-Remove the thickest remains of rust. Brush and vacuum the dust....

PREPARATION OF THE MIXTURE

-Mix approx. 220 - 260 cm^3 of water with 1 Kg of **FIX-REPAR ANTI-OXID**.

-Use an electric mixer at low rpm to avoid lumps.

APPLICATION OF THE MIXTURE

-Apply a uniform coat of **FIX-REPAR ANTI-OXID** with the help of a brush, roller or spray system ....

-Allow to dry for 4 hours and apply a second uniform coat using the same method.

-When **FIX-REPAR ANTI-OXID** has dried completely, after approximately 2 hours, we can re-coat our concrete structure with **FIX-REPAR R2** or **FIX-REPAR R4**.

TECHNICAL DATA

Type of neutraliser	by passivation
Appearance	powder
Density in powder	1.6 g/cm^3
Flammability	no
Mixing water	0.22 - 0.26 L / 1 kg can
Density of the mixture	1.8 g/cm^3
Temperature of application	from +5ºC to +35ºC
Drying time between coats	30 minutes (+20ºC)
Drying time of the last coat	2 hours (+20ºC)
Consumption	1.5 kg/m^2·mm thickness
Estimated expiration	24 months
Presentation	1 kg and 5 kg

FIX-REPAR R2

R2 according to EN1504-3

Pre-dosed, fast-setting mortar for concrete repair and restoration.

Grey

MAIN FEATURES

-Controlled-shrinkage, fibre-reinforced, fast-setting mortar.
-Very high mechanical resistance.
-Easy to work with the trowel and easy to smooth.
-Weather resistance.
-Physical-mechanical characteristics very similar to the concrete: elasticity, permeability.
-High adhesion on concrete, stone, brick...
-Very high wear resistance.
-Alkaline in nature: protects armour.

FIELDS OF APPLICATION

-Repair of gravel pockets or nests.
-Reconstruction of concrete steps, ornamental pieces, stone walls.
-Suitable for sealing cracks and rigid fissures and for reinforcing concrete walls.
-Excellent for repairing window frames, doors, bolt anchors.
-Due to its very high resistance to wear, it is ideal for: pavements, ramps, canals, bridges.
-Excellent for vertical and horizontal repairs, including counter-gravity.

HOW TO USE

SUPPORT PREPARATION

The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting repair. There are three phases to be carried out:
-1º.- Remove any remains of deteriorated, unconnected, unsound, disintegrable concrete, remains of dust, paint, wax, release agents,...
-2º.-To protect the iron reinforcement, remove the thickest remains of rust. Brush and vacuum the dust. Apply a uniform coat of **ANTI-OXID LIQUID** or **FIX-REPAR ANTI-OXID** with the help of a brush, roller or spraying system. **FIX-REPAR ANTI-OXID** is mixed with water only. **FIX-REPAR ANTI-OXID** stabilises the existing rust and protects it from future corrosion (anodic passivation). **FIX-REPAR ANTI-OXID** dries after 2 hours and takes on a light grey colour.
-3º.-Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the rapid loss of water from the repair mortar. If you have used **FIX-REPAR ANTI-OXID** or **ANTI-OXID LIQUID**, allow at least 2 hours to dry before wetting the substrate.

PREPARATION OF THE MIXTURE

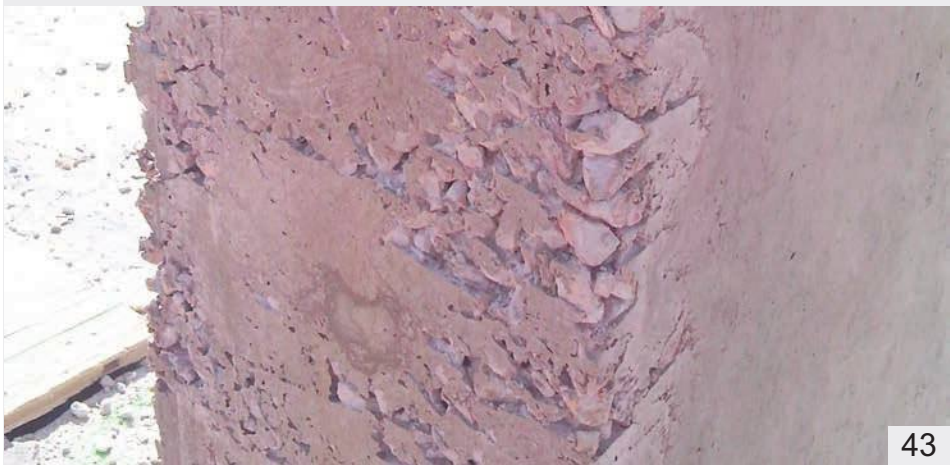
-Mix approximately 4.0 litres of water with 25 kg of **FIX-REPAR R2**.
-Use an electric mixer at low rpm to avoid the formation of lumps.

APPLICATION OF THE MIXTURE

-Apply the mortar with a trowel. It is very useful to use a fine trowel to smooth it.
-**FIX-REPAR R2** can be applied without using formwork in minimum thicknesses of 5 mm and maximum thicknesses of 35 mm per layer.
-In applications with strong sunlight, dampen the substrate previously, and once the repair has been carried out, protect the surface by creating an artificial shadow and/or dampening the surface periodically.

TECHNICAL DATA

Type of mortar	for fast repair
Granulometry	from 0 to 2 mm
Toxicity	irritates the skin and eyes
Density in powder	1.5 g/cm^3
Mixing water	4.0 L / 25 kg sack
Density of the mixture	1.7 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	30 - 60 minutes
Chloride ion content	< 0.05%
Can be walked on after	24 hours
Thickness of layer	5 - 35 mm
Resistance to compression	> 15.0 MPa
Adhesion	> 0.8 MPa
Capillary absorption	< 0.5 kg/m^2*h$^{0.5}$
Consumption	19 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg



FIX-REPAR R4

R4 according to EN1504-3

Special pre-dosed thixotropic mortar specially for the structural repair of concrete.

Grey

MAIN FEATURES

-Controlled shrinkage, fibre-reinforced, anti-sagging and fast-setting mortar.
-Very high compressive strength: 46 MPa.
-Physical-mechanical characteristics very similar to the concrete: elasticity, permeability.
-Very high wear resistance.
-Alkaline in nature: protects armour.
-Low capillarity and high impermeability.
-Water vapour permeability.
-Very high resistance to carbonation.

FIELDS OF APPLICATION

-Vertical and horizontal repairs, including counter-gravity.
-Reconstruction of the iron cover layer on structures, balconies, cornices, pillars and beams.
-Repair of gravel pockets or nests.
-Reconstruction of concrete steps, ornamental pieces, stone walls,...
-Excellent as a repairer for window frames, doors, bolt anchors,...
-Due to its very high resistance to wear, it is ideal for: pavements, ramps, canals, bridges,...

HOW TO USE

SUPPORT PREPARATION

The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting repair. There are three phases to be carried out:
-1º.- Remove any remains of deteriorated, unconnected, unsound, disintegrable concrete, remains of dust, paint, wax, release agents,...
-2º.-To protect the iron reinforcement, remove the thickest remains of rust. Brush and vacuum the dust. Apply a uniform coat of **ANTI-OXID LIQUID** or **FIX-REPAR ANTI-OXID** with the help of a brush, roller or spraying system. **FIX-REPAR ANTI-OXID** is mixed with water only. **FIX-REPAR ANTI-OXID** stabilises the existing rust and protects it from future corrosion (anodic passivation). **FIX-REPAR ANTI-OXID** dries after 2 hours and takes on a light grey colour.
-3º.-Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to avoid the rapid loss of water from the repair mortar. If you have used **FIX-REPAR ANTI-OXID** or **ANTI-OXID LIQUID**, allow at least 2 hours to dry before wetting the substrate.

PREPARATION OF THE MIXTURE

-Mix approximately 4.0 litres of water with 25 kg of **FIX-REPAR R4**.
-Use an electric mixer at low rpm to avoid the formation of lumps.

APPLICATION OF THE MIXTURE

-Apply the mortar with a trowel. It is very useful to use a fine trowel to smooth it.
-**FIX-REPAR R4** can be applied without using formwork in minimum thicknesses of 10 mm and maximum thicknesses of 40 mm per layer.
-In applications with strong sunlight, dampen the substrate previously, and once the repair has been carried out, protect the surface by creating an artificial shadow and/or dampening the surface periodically.

TECHNICAL DATA

Type of mortar	for fast repair
Granulometry	from 0 to 4 mm
Toxicity	irritates the skin and eyes
Density in powder	1.4 g/cm^3
Mixing water	3.75 L / 25 kg sack
Density of the mixture	2.0 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	30 - 60 minutes
Chloride ion content	< 0.05%
Can be walked on after	24 hours
Thickness of layer	10 - 40 mm
Resistance to compression	≥ 45.0 MPa
Adhesion	≥ 2.0 MPa
Capillary absorption	< 0.5 kg/m^2*h$^{0.5}$
Elasticity module	≥ 20 GPa
Consumption	19 kg/m^2·cm thickness
Estimated expiration	12 months
Presentation	25 kg

TAPA-VIAS

Instant-setting mortar for plugging water leaks in tanks, pipes and similar elements.

Grey

MAIN FEATURES

-Fiber-reinforced, total anti-sagging mortar with controlled shrinkage and ultra-fast setting.
-Physical-mechanical characteristics very similar to the concrete: elasticity, permeability.
-High adhesion to most building materials: concrete, stone, brick.
-Very high flexural and compressive strengths.
-Very high wear resistance.
-Being alkaline in nature, it protects armour.

FIELDS OF APPLICATION

-Plug water leaks due to breakage of pipes, tanks, swimming pools and in general of any concrete structural element.
-Ideal in tunnels, galleries, shafts, canals...
-It is also widely used for ultra-fast anchoring of door counter-frames, window frames, bolt anchors.
-Ideal for ultra-fast anchoring of railings, traffic posts, bolts, light boxes, and passage of corrugated light tubes.
-Repairs even in counter-gravity.

HOW TO USE

SUPPORT PREPARATION

-On concrete surfaces, it is necessary to first remove any remains of deteriorated, unconnected, unsound or disintegrable concrete.
-In anchoring elements: in this case, remove all traces of dust, paint, wax, release agents, ... and conveniently open the hole to allow the **TAPA-VIAS** to penetrate deeply.
-Very absorbent substrates or exposed to the sun in hot weather, should be dampened previously to avoid the rapid loss of water from the anchoring mortar.

PREPARATION OF THE MIXTURE

-Mix exactly 2.0 litres of water with 10 kg of **TAPA-VIAS** by hand.
-Let it rest for approx. 2 minutes. IMMEDIATELY take a small amount of **TAPA-VIAS** by hand and shape it into a rounded, pointed shape.

APPLICATION OF THE MIXTURE

-IMMEDIATELY introduce the product into the crack in the concrete through which water is leaking and press very hard for 40 seconds until water stops leaking out. Remove the excess; clean and restore the hole.
-In applications with strong sunlight, dampen the substrate previously, and once the repair has been carried out, protect the surface by creating an artificial shade or/and dampening the surface periodically.

TECHNICAL DATA

Type of mortar	for very fast repair
Granulometry	from 0 to 5 mm
Toxicity	irritates the skin and eyes
Density in powder	1.42 g/cm^3
Mixing water	2.0 L / 10 kg can
Density of the mixture	1.5 g/cm^3
Temperature of application	from +5ºC to +35ºC
Pot life	60 - 90 seconds
Chloride ion content	< 0.05%
Can be walked on after	2 minutes
Thickness of layer	> 5 mm
Consumption	1.5 kg / 1000 cm^3
Estimated expiration	18 months
Presentation	10 kg

NO-CRACKS

Liquid micro-crack sealant for swimming pools and concrete tanks to stop small water leaks.

Transparent

MAIN FEATURES

-**NO-CRACKS** is a super-fluid additive that is added to the swimming pool water in recirculation mode without passing through the filter. Within 48 - 72 hours, **NO-CRACKS** acts by reacting with the calcium hydroxide in the hydrated cement to form insoluble micro-crystals that plug the micro-cracks, stopping water loss.
-It is completely harmless for pool users.
-Totally insoluble crystals are formed, i.e. they will remain indefinitely in time.

FIELDS OF APPLICATION

-Ideal for tanks, swimming pools, pipes and in general for any element made with cement and containing water inside.
-For example: when a pool leaks water at a maximum rate of 80 litres/day, we can try to seal the micro-cracks in the concrete without emptying the pool and before taking other more aggressive measures.

HOW TO USE

SUPPORT PREPARATION

-**Application in swimming pools:** change the multifunction valve of the purification system to "recirculation" mode of water without passing through the filter. Keep the swimming pool purification in recirculation mode for a maximum of 48 - 72 hours. During this process, bathers should NOT use the swimming pool. If it is perceived that the crack may be in some pipe, the **NO-CRACKS** can also be added directly in the skimmers.
-**Application in drinking water tanks:** the water in which **NO-CRACKS** has been added to stop leaks is NOT drinking water and must be discarded. Once the tank has been emptied, clean the concrete with soap and water; rinse with plenty of water; and refill the tank with new water.

PREPARATION OF THE MIXTURE

-**NO-CRACKS** is applied pure according to the attached consumption table, add the recommended litres of **NO-CRACKS** directly to the swimming pool water.

APPLICATION OF THE MIXTURE

Addition of **NO-CRACKS**: according to the attached consumption table, add the recommended litres of **NO-CRACKS** directly to the swimming pool water. If you suppose that the crack may be in a pipe, the **NO-CRACKS** can also be added directly to the skimmers. Keep the swimming pool purification in recirculation for a maximum of 48 - 72 hours. During this process, bathers must NOT use the pool.

TECHNICAL DATA

Type of sealant	reactive with cement
Density	approx. 37º Bé (+20ºC)
Viscosity	approx. 90 cP (+20ºC)
Toxicity	no
Irritant	no
Temperature of application	+5ºC a +35ºC
Action within	48 - 72 hours max.
Consumption	1 L / 60 m^3 of water
Estimated expiration	unlimited
Presentation	1 L

EPOXICOLOR INDUSTRIAL

SR-B1,5-AR0,3-IR14 according to EN13.813;
C-PR(5/5.1) according to EN1504-2

EPOXI with multiple applications and high chemical resistance for industries, offices, shops, car parks, etc. A multitude of finishes are available.

Transparent

EPOXICOLOR PIGMENTO

1| Blanco 2| Amarillo 3| Rojo 4| Verde

5| Azul 6| Gris claro 7| Cemento 8| Antracita

MAIN FEATURES

-Anti-acid paint for technical floors.
-Wide range of applications.
-Excellent traffic resistance.
-High chemical, mechanical and abrasion resistance.
-Pigmentable colourless product with the **EPOXICOLOR PIGMENTO**. Available in 8 pre-dosed colours.
-Applicable horizontally and vertically.

FIELDS OF APPLICATION

-It's an ideal solution for workshops, warehouses, pantries, public premises, chemical industries, food industries, mechanical workshops, garages, public and private car parks, cold stores, clothing shops, hotel entrance halls, stadium lobbies, offices, playrooms, nurseries,...
-Applied as a paint, it resists chlorinated water in overflowing gutters and regulating vessels.

HOW TO USE

SUPPORT PREPARATION

-The secret of the success of a continuous resin flooring lies in the correct and strict previous preparation of the substrate. To do so, the following points are important:
a.- in new concrete, we must wait for complete setting (minimum 30 days). The humidity must be <4% by weight. In old concrete, we will also check that the humidity is <4% by weight (use a hygrometer).
b.- surface preparation can be chemical or mechanical or both:
Chemical preparation: clean the entire surface with a dilution of **GRESNET** and water in a ratio of 1 part of **GRESNET** and 5 parts of water. Spread, rub, pick up and finally rinse the entire surface with plenty of water. Allow to dry completely.
Mechanical preparation: depending on the state of the surface (painted, rough, chipped, ...), the surface will be shot-blasted, milled or diamond-blasted.
-The minimum application temperature is +10ºC, understanding that the temperature of the pavement will be at least +3ºC above the dew point.

PREPARATION OF THE MIXTURE

-Colourless product to be coloured by adding: 1 unit of **EPOXICOLOR INDUSTRIAL** of 9.27 Kg + 1 unit of **EPOXICOLOR PIGMENTO** of 0.73 Kg and mix.
-To have a long pot-life, distribute the mixture between several large pots.

APPLICATION OF THE MIXTURE

-**EPOXICOLOR INDUSTRIAL** is an epoxy with multiple possible applications:
a.- applied pure with a roller it is an epoxy paint.
b.- also applied pure but with a rubber lip, it is an epoxy sealant for anti-slip floors.
c.- mixed with **CUARZOFILLER A**, we obtain a self-levelling epoxy mortar to be applied with a notched trowel and a spiked roller.

TECHNICAL DATA

Support temperature	from +10ºC to +35ºC
Degrees above the dew point	+3ºC
Humidity of the support	< 4% parts by weight
Maximum relative humidity	80%
Pot life	30 min distributed in buckets
Waiting time between coats	12 hours (+20ºC)
Waiting time before use (+10ºC)	72 hrs light - 10 days intense
Waiting time before use (+20ºC)	24 hrs light - 7 days intense
Waiting time before use (+30ºC)	18 hrs light - 5 days intense
Slip resistance	from class I to class III
Thermal resistance to wet heat	+80ºC (steam cleaning)
Chemical resistance	consult technical dept.
Certification as self-levelling paste	CE: SR synthetic resin
Abrasion resistance type	AR0,3 ; <3000mg H22/1000
Adhesion	type B1,5 ; > 2.0 N/mm^2
Shock resistance	type IR14 ; Clase III
Capillary absorption	w < 0.1 kg/m^2*h$^{0.5}$
Consumption: gutter and regulating vessel	0.5 kg/m ; 0.35 kg/m^2
Estimated expiration and presentation	2 years in cans of 9.27 kg

EPOXICOLOR POOL

SR-B1,5-AR0,3-IR14 according to EN13.813;
C-PR(5/5.1) according to EN1504-2

Special anti-acid epoxy paint for protecting the waterproofing of overflow gutters and swimming pool regulating basins.

White Black

MAIN FEATURES

-Ready-to-use epoxy-based paint: mix the pre-dosed components.
-Very high chemical resistance.
-Resistant to saline water.
-Very resistant to abrasion and wear.
-Total anti-sagging.
-Total adhesion to the substrate without shrinking.
-Total waterproofing.
-Resistant to bases, salt water, acids and micro-organisms.

FIELDS OF APPLICATION

-**EPOXICOLOR POOL** is a special acid-resistant paint for the gutters and regulating vessels of swimming pools.
-Paint with excellent resistance to traffic, high chemical, mechanical and abrasion resistance; with high resistance even at low temperatures, and with very high resistance to wear and tear.
-**EPOXICOLOR POOL** is totally non-sagging: ideal for application on horizontal and vertical surfaces.

HOW TO USE

SUPPORT PREPARATION

-The secret of the success of a continuous resin flooring lies in the correct and strict previous preparation of the substrate. To do so, the following points are important:
a.- in new concrete, we must wait for complete setting (minimum 30 days). The humidity must be <4% by weight. In old concrete, we will also check that the humidity is <4% by weight (use a hygrometer).
b.- in the S9 blocks of ROSA GRES, it is not necessary to wait for the blocks to dry: bond the blocks with **TECNOCOL GEL** and after 24 hours we can waterproof them and protect them chemically.
c.- the guttering and regulating vessels, previously waterproof them with two hands of **HIDROFIX** or I**MPERTOT** following their respective application instructions.
d.- the minimum application temperature is +10ºC, understanding that the temperature of the pavement will be at least +3ºC above the dew point.

PREPARATION OF THE MIXTURE

-Kit consists of: 1 small bottle of liquid + 1 bucket with white paste.
-Empty the contents of the bottle into the bucket and mix with an electric drill.
-For a long pot-life, divide the mixture between several large pots.

APPLICATION OF THE MIXTURE

-Once the waterproofing is dry, apply a first coat of **EPOXICOLOR POOL** using a long hair roller or a brush.
-Apply a minimum thickness of 0.4 - 0.5 mm; leave to dry for 12 hours (at +20ºC and 50%RH); apply a second coat of **EPOXICOLOR POOL** also with a minimum thickness of 0.4 - 0.5 mm and leave to dry.
-After 48 hours (+20ºC / 50%RH) carry out the watertightness test.

TECHNICAL DATA

Support temperature	from +10ºC to +35ºC
Degrees above the dew point	+3ºC
Humidity of the support	< 4% parts by weight
Maximum relative humidity	80%
Pot life	30 min distributed in buckets
Waiting time between coats	12 hours (+20ºC)
Waiting time before use (+10ºC)	72 hrs light - 10 days intense
Waiting time before use (+20ºC)	24 hrs light - 7 days intense
Waiting time before use (+30ºC)	18 hrs light - 5 days intense
Slip resistance	from class I to class III
Thermal resistance to wet heat	+80ºC (steam cleaning)
Chemical resistance	consult technical dept.
Certification as self-levelling paste	CE: SR synthetic resin
Abrasion resistance type	AR0,3 ; <3000mg H22/1000
Adhesion	type B1,5 ; > 2.0 N/mm^2
Shock resistance	type IR14 ; Clase III
Capillary absorption	w < 0.1 kg/m^2*h$^{0.5}$
Consumption: gutter and regulating vessel	0.5 kg/m ; 0.35 kg/m^2
Estimated expiration and presentation	2 years in cans of 2.5 kg

BOND-COAT

Adhesive bonding bridge for all types of indoor and outdoor surfaces, for subsequent bonding of ceramic tiles, self-levelling mortars, waterproofing membranes…

Blue

MAIN FEATURES

-**BOND COAT** is a ready-to-use product formulated with acrylic dispersions and additives with adhesion-enhancing nanoparticles.
-Odorless, VOC-free and solvent-free.
-It forms a continuous blue coloured and textured film to facilitate the subsequent bonding of glue cements, self-levelling mortars. Bonding bridge between concrete-mortar or concrete-concrete.
-Applicable indoors, outdoors, horizontally and vertically.

FIELDS OF APPLICATION

-**Ceramic overlays:** applied on top of an old ceramic tile, it facilitates the subsequent adhesion of the glue cement. It is indispensable when the old ceramic tile is not perfectly clean.
-**Floors with self-levelling mortars:** applied on top of highly polished concrete or wood, it facilitates the subsequent bonding of the self-levelling mortar, e.g. **FIX-NIVEL**. Likewise, when applied on top of an old ceramic tile on an unlevelled floor, it will also facilitate the subsequent bonding of the self-levelling mortar.

HOW TO USE

SUPPORT PREPARATION

-All substrates on which **BOND-COAT** is to be applied must always be resistant, solid, free of sand, waxes, oils and grease and perfectly set.
-It is also essential that there is no rising damp from the basement. **BOND-COAT** is not an anti-humidity barrier.
-**BOND-COAT** should preferably be applied at temperatures of +5°C or above.

PREPARATION OF THE MIXTURE

-Do not add anything to the bucket: the product is ready-to-use.
-Homogenize the contents of the bucket perfectly before use: beat for 1 minute with an electric mixer.

APPLICATION OF THE MIXTURE

-**BOND-COAT** is easy to apply with a paint roller, sponge roller, short hair roller or flat brushes, but in any case do not apply in excess and avoid the formation of 'puddles' of product on the pavements.
-**BOND-COAT** is fast-setting. After 3 to 5 hours from the application of **BOND-COAT**, you can apply on it ceramic or a waterproofing mortar or spread a self-levelling mortar.

TECHNICAL DATA

Type of product	pure acrylic adhesive
Appearance	blue viscous liquid
Density	1.4 g/cm^3
Toxicity on prolonged contact	irritates the skin and eyes
Flammability	no
Application	pure without diluting
Temperature of application	from +5ºC to +35ºC
Time to achieve tack (+20ºC)	after 3 - 5 hours
Maximum time to remain tack (+20°C)	after 14 hours max.
Consumption	0.10 - 0.15 kg/m^2
Estimated expiration	18 months
Presentation	5 kg

GROUT S10

According to EN1504-6

Single-component mortar for anchoring and backfilling by simple pouring. **GROUT S10** is a preparation with a very high percentage of high-quality polymers.

Grey

MAIN FEATURES

-Uniformly transmits the stresses of the machine or structure to the foundation.
-Controlled retraction: it avoids undesired take-offs and the correct transmission of loads.
-It is self-levelling and does not show segregation.
-It develops very high mechanical resistance.
-It is waterproof and resistant to aggressive substances.
-Alkaline pH: protects the metal structure.
-Allows rapid commissioning.
-Withstands tensile, torsional or shear stresses.

FIELDS OF APPLICATION

-Ideal for filling under anchor plates.
-We achieves a **compression resistance = 54 N/mm2!!!**
-Filler product suitable for sealing the male-female gap resulting from assembling two adjacent pieces of **Rosa Gres S10 System**.
-It is the simplest and most economical solution for anchoring railings or posts in concrete, given its great adhesion to both the support and the iron of the railing.
-It can be used to seal non-moving and horizontal cracks in concrete or mortar.

HOW TO USE

SUPPORT PREPARATION

-The substrate must be clean, well set, free of oils and flaking.
-If the surface is very smooth, we will do it rough by sandblasting or similar.
-In hot weather, soak the concrete with water, but be careful: do it 24 hours before applying the grout.
-Brush the metal elements mechanically to remove any rust present.
-Apply **GROUT S10** at temperatures between +5ºC and +30ºC.
-If the grout contact surfaces are very cold, we should provide appropriate heating systems 24 hours previously, which will be maintained up to 2 - 3 days after application.
-If it is very hot, mix the grout with cold water (without ice), and keep a good shade over the grout for at least 2 - 3 days after application.

PREPARATION OF THE MIXTURE

-Mix 3.25 - 3.50 litres of water with 25 kg of **GROUT S10** for 2 or 3 minutes with a slow electric mixer. Immediately after kneading, apply it by pouring it into the cavity to be filled.

APPLICATION OF THE MIXTURE

In anchor plates, pour the grout continuously and quickly from one side of the plate until it comes out on the opposite side, thus ensuring that the air is completely removed. We can use vibrators or some rod to facilitate the complete filling of all the corners. If the plate is very large, provide perforations every 50 cm and apply the grout in one perforation until it comes out of the next and continue the process until the end of the plate.

TECHNICAL DATA

Density in powder	1.48 g/cm³
Granulometry	from 0 to 4 mm
Mixing water	3.25 - 3.50 L / 25 kg sack
Density of the mixture	2.21 g/cm³
Temperature of application	from +5ºC to +30ºC
Pot life	10 - 15 min
Residual damp (+20ºC; 60%RH)	3.0% (48 hrs) / 2.0% (7 days)
Final hardening	24 hours
Thickness between anchoring plate and concrete	30 mm
Maximum expansion after 24 hours	0.17%
Pull-out strength	shifting <0.003mm @ 123kN
Resistance to flexion	≥ 8.0 N/mm²
Resistance to compression (24 hours)	≥ 30 N/mm²
Resistance to compression (7 days)	≥ 45 N/mm²
Resistance to compression (28 days)	≥ 50 N/mm²
Reaction to fire	A1
Consumption	20 kg/m²·cm thickness
Estimated expiration	12 months
Presentation	25 kg

EPOXICOL

R2 according to EN1504-3

Epoxy mortar for anchoring bolts, sealing cracks, repairing concrete and for bonding waterproof BANDS in various waterproofing systems.

Beige

MAIN FEATURES

-**EPOXICOL** is a tri-component compound consisting of sands and special additives that harden through a simple chemical reaction.
-Excellent adhesion to most substrates: ceramic, concrete, iron, wood, fibre cement...
-High mechanical resistance.
-Chemical resistance to detergents and acids.
-Totally waterproof (100%).
-Highly resistant to ageing.
-Creates monolithic joints with the concrete.

FIELDS OF APPLICATION

EPOXICOL has many applications:
-As a paste for **non-shrink casting fillings**: for metal bolt anchors.
-As a paste for **sealing cracks** formed by the settling of concrete, provided they are dead cracks.
-As a **thixotropic repair mortar**, for cracks in concrete walls.
-As thin-bed **adhesive cement**, for bonding ceramic materials, stoneware, iron, prefabricated concrete, marble pieces, lintels...

HOW TO USE

SUPPORT PREPARATION

-Before applying the **EPOXICOL**, the substrate must be perfectly clean.
-It must be clean, resistant, solid, free of dust, waxes, oils, greases, ...
-It is highly recommended to sandblast the substrate. As a minimum, it is obligatory to brush with a metal tool.
-If the application is on concrete, this will already have at least 28 days of setting.

PREPARATION OF THE MIXTURE

-Empty the contents of the two bottles into a bucket and add the required powder depending on the type of application, ranging from a fluid mass to a thick paste. Mix with an electric drill at low rpm.

APPLICATION OF THE MIXTURE

-To bond **BANDA-SOLAPES** or **FIX-TAPE** 170 mm, apply the product with a 3 mm trowel and press firmly.
-To seal cracks, make a fluid mixture and apply it by pouring.
-To repair concrete, make a thick mixture and use a trowel.
-For bolt anchors in concrete, the diameter of the hole shall be 4 mm larger than the diameter of the bolt.

TECHNICAL DATA

Aspect part "A" and "B"; part "C"	fluid liquids; powder
% of solids	100%
Flammability	no
Toxicity	irritates the skin and eyes
Density of the mixture	1.5 g/cm^3
Chloride ion content	0%
Temperature of application	+12ºC a +30ºC
Start the application over concrete	after 28 days minimum
Pot life	1 hour (+20ºC)
Can be walked on after	14 hours (+20ºC)
Final hardening	7 days
Resistance to compression	≥ 15 MPa
Initial adhesion	≥ 0.8 MPa
Capillary absorption	< 0.5 kg/m^2*h$^{0.5}$
Range of working temperatures	from -20ºC to +90ºC
Consumption	14 kg/m^2·cm thickness
Estimated expiration	30 months
Presentation	1.5 kg, 5 kg and 20 kg

FIX-NIVEL

CT-C11-F4 according to EN13.813

Fast hardening self-levelling mortar for the execution of levelling layers from 1 to 15 mm thick.

Grey

MAIN FEATURES

-Pre-dosed and self-levelling mortar with fast-setting no shrinkage and abrasion resistance.
-Easy workability for a prolonged period.
-Good surface finish and final appearance.
-Very high flexural and compressive strength.
-Physical-mechanical characteristics very similar to those of concrete in terms of elasticity and permeability, thus preventing the formation of cracks and fissures.
-High adhesion to most building materials: concrete, stone, ceramic, mortar...

FIELDS OF APPLICATION

-Interior use.
-Production of self-levelling cementitious flooring with thicknesses between 1 and 15 mm.
-Production of self-levelling cementitious flooring without joints, with a smooth finish that is easy to clean and highly resistant to wear due to rolling (trolleys, chairs, pallet trucks, wheelbarrows).
-Floor screeds on concrete, mortar, hydraulic paving, **RECRECEM PRE-MIX**, ceramic...
-Underfloor heating.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting installation. There are two phases to be carried out:
-Remove any remains of the substrate that are deteriorated, unconnected, unsound, disintegrable,...
-Also remove all traces of dust, paints, waxes, release agents,...
-In the case of having any of the following substrates, we must carry out a step previous to the application of the self-levelling product:
-Highly absorbent or dusty concrete surfaces: prime them with **PRIMFIX** and water in a 1:4 ratio. Apply this mixture with a brush and allow to dry.
- Wooden surfaces: a bonding bridge must be made between the wood and the self-levelling product with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling product.
-Old ceramic surfaces: we must make a bonding bridge between the old ceramic and the **FIX-NIVEL** with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling mortar.

PREPARATION OF THE MIXTURE

-With a cowles-mixer at high revolutions mix 7.0 litres of water with 25 kg. Let rest for 2 minutes and re-mix to have the paste ready for use. This operation can be carried out without any problems with automatic pumping stations.

APPLICATION OF THE MIXTURE

-Delimit the area with rulers, woods and walls. The mortar is "like water" and therefore will occupy all the available space due to its self-levelling character.
-Then pour and pour the self-levelling mortar until the required level is reached.
-After 12 - 24 hours, check the residual humidity before starting to lay ceramic tiles, carpets, parquet, PVC, ... If you want to lay glued wood, the minimum thickness of **FIX-NIVEL** must be 3 mm.

TECHNICAL DATA

Density in powder	1.4 g/cm³
Mixing water	7.0 L / 25 kg sack
Density of the mixture	1.9 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	20 - 30 minutes
Residual damp (+20ºC; 60%RH)	< 2.0% (24 hours)
Can be walked on after	3 - 12 hours
Final hardening	12 - 24 hours
Thickness of layer	1 - 15 mm
Resistance to flexion	≥ 4.0 N/mm²
Resistance to compression	≥ 11.0 N/mm²
Consumption of primer: ·On highly absorbent substrate ·On wood or old ceramics	 0.03 L/m² **PRIMFIX** + 0.12 L/m² water 0.15 kg/m² **BOND COAT**
FIX-NIVEL consumption	1.6 kg/m²·mm thickness
Estimated expiration	12 months
Presentation	25 kg

FIX-NIVEL PREMIUM

CT-C25-F7 according to EN13.813

Self-levelling EXTRA-FLUID mortar with rapid hardening, for implementing levelling layers from 1 to 20 mm thick.

Grey

MAIN FEATURES

-EXTRA-FLUID self-levelling mortar.
-Pre-dosed self-levelling mortar with rapid setting, no shrinkage and abrasion resistance.
-Easy workability for a prolonged period.
-Excellent surface finish and final appearance.
-Very high flexural and compressive strength.
-Physical-mechanical characteristics very similar to those of concrete in terms of elasticity and permeability.
-High adhesion to most building materials: concrete, stone, ceramic, mortar...

FIELDS OF APPLICATION

-Interior use.
-Production of self-levelling cementitious screeds with thicknesses between 1 and 20 mm.
-Production of self-levelling cementitious flooring without joints, with a smooth finish that is easy to clean and highly resistant to wear due to rolling (trolleys, chairs, pallet trucks, wheelbarrows).
-Screeds on concrete, mortar, hydraulic paving, **RECRECEM PRE-MIX**, ceramic...
-Flooring with underfloor heating.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting installation. There are two phases to be carried out:
-Remove any remains of the substrate that are deteriorated, unconnected, unsound, disintegrable,...
-Also remove all traces of dust, paints, waxes, release agents,...
-In the case of having any of the following substrates, we must carry out a step previous to the application of the self-levelling product:
-Highly absorbent or dusty concrete surfaces: prime them with **PRIMFIX** and water in a 1:4 ratio. Apply this mixture with a brush and allow to dry.
- Wooden surfaces: a bonding bridge must be made between the wood and the self-levelling product with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling product.
-Old ceramic surfaces: we must make a bonding bridge between the old ceramic and the **FIX-NIVEL** with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling mortar.

PREPARATION OF THE MIXTURE

-With a cowles-mixer at high revolutions mix 5.6 - 5.8 litres of water with 25 kg. Let rest for 2 minutes and re-mix to have the paste ready for use. This operation can be carried out without any problems with automatic pumping stations.

APPLICATION OF THE MIXTURE

-Delimit the area with rulers, woods and walls. The mortar is "like water" and therefore will occupy all the available space due to its self-levelling character.
-Then pour and pour the self-levelling mortar until the required level is reached.
-After 12 - 24 hours, check the residual humidity before starting to lay ceramic tiles, carpets, parquet, PVC, ... If you want to lay glued wood, the minimum thickness of **FIX-NIVEL PREMIUM** must be 3 mm.

TECHNICAL DATA

Density in powder	1.33 g/cm³
Mixing water	5.7 L / 25 kg sack
Density of the mixture	2.0 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	20 - 30 minutes
Residual damp (+20ºC; 60%RH)	< 2.0% (24 hours)
Can be walked on after	3 - 12 hours
Final hardening	12 - 24 hours
Thickness of layer	1 - 20 mm
Resistance to flexion	≥ 7.0 N/mm²
Resistance to compression	≥ 25.0 N/mm²
Consumption of primer: ·On highly absorbent substrate ·On wood or old ceramics	 0.03 L/m² **PRIMFIX** + 0.12 L/m² water 0.15 kg/m² **BOND COAT**
FIX-NIVEL consumption	1.6 kg/m²·mm thickness
Estimated expiration	6 months
Presentation	25 kg

FIX-NIVEL CAPA GRUESA

CA-C35-F9 according to EN13.813

Fast hardening self-levelling mortar for the execution of levelling layers from 5 to 50 mm thick.

Grey

MAIN FEATURES

-Pre-dosed self-levelling mortar with rapid setting, no shrinkage and abrasion resistance.
-Easy workability for a prolonged period.
-Good surface finish and final appearance.
-Very high flexural and compressive strength.
-Physical-mechanical characteristics very similar to those of concrete in terms of elasticity and permeability, thus preventing the formation of cracks and fissures.
-High adhesion to most building materials: concrete, stone, ceramics, mortar...

FIELDS OF APPLICATION

-Interior use.
-Production of self-levelling cementitious screeds with thicknesses between 5 and 50 mm.
-Production of self-levelling cementitious flooring without joints, with a smooth finish that is easy to clean and highly resistant to wear due to rolling (trolleys, chairs, pallet trucks, wheelbarrows).
-Screeds on concrete, mortar, hydraulic paving, **RECRECEM PRE-MIX**, ceramic...
-Flooring with underfloor heating.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting installation. There are two phases to be carried out:
-Remove any remains of the substrate that are deteriorated, unconnected, unsound, disintegrable,...
-Also remove all traces of dust, paints, waxes, release agents,...
-In the case of having any of the following substrates, we must carry out a step previous to the application of the self-levelling product:
-Highly absorbent or dusty concrete surfaces: prime them with **PRIMFIX** and water in a 1:4 ratio. Apply this mixture with a brush and allow to dry.
- Wooden surfaces: a bonding bridge must be made between the wood and the self-levelling product with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling product.
-Old ceramic surfaces: we must make a bonding bridge between the old ceramic and the **FIX-NIVEL** with our product **BOND COAT**. Apply the **BOND COAT** and let it dry for 3 to 5 hours and then apply the self-levelling mortar.

PREPARATION OF THE MIXTURE

-With a cowles-mixer at high revolutions mix 4.5 litres of water with 25 kg. Let rest for 2 minutes and re-mix to have the paste ready for use. This operation can be carried out without any problems with automatic pumping stations.

APPLICATION OF THE MIXTURE

-Delimit the area with rulers, woods and walls. The mortar is "like water" and therefore will occupy all the available space due to its self-levelling character.
-Then pour and pour the self-levelling mortar until the required level is reached.
-After 12 - 24 hours, check the residual humidity before starting to lay ceramic tiles, carpets, parquet, PVC, ... If you want to lay glued wood, the minimum thickness of **FIX-NIVEL CAPA GRUESA** must be 5 mm.

TECHNICAL DATA

Density in powder	1.5 g/cm³
Mixing water	4.5 L / 25 kg sack
Density of the mixture	2.1 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	20 - 30 minutes
Residual damp (+20ºC; 60%RH)	< 2.0% (24 hours)
Can be walked on after	3 - 12 hours
Final hardening	12 - 24 hours
Thickness of layer	5 - 50 mm
Resistance to flexion	≥ 9.0 N/mm²
Resistance to compression	≥ 35.0 N/mm²
Consumption of primer:	
·On highly absorbent substrate	0.03 L/m² **PRIMFIX** + 0.12 L/m² water
·On wood or old ceramics	0.15 kg/m² **BOND COAT**
FIX-NIVEL consumption	2.1 kg/m²·mm thickness
Estimated expiration	12 months
Presentation	25 kg

PRIMFIX

EN13.813 compliant with **RECRECEM PRE-MIX**

Additive for primers, screeds, bonding bridges and for improving the adhesive properties of mortars.

White

MAIN FEATURES

-**PRIMFIX** is a white latex formulated with polymers in an aqueous dispersion.
-Applied pure it serves as a primer.
-Mixed with pure cement, it can serve as a bonding bridge.
-Mixed with hydraulic mortars, it improves their flexibility, impermeability, adhesion and compressive and tensile strengths.

FIELDS OF APPLICATION

-Mixed with pure Portland cement, it is ideal for making bonding grouts between dry mortar and new mortar as a bonding bridge.
-Mixed with cement and sand, we obtain an adhesive mortar suitable for bonding tiles, stoneware, porcelain stoneware, etc....
-Mortar screeds: from 1 mm to thick screeds.
-Sealing of porous substrates such as gypsum plaster, etc. before the ceramic tile installation with **FIXACER** or **FIX-PORCELANICO FLEX**.

HOW TO USE

SUPPORT PREPARATION

-All substrates on which we are going to apply pure **PRIMFIX** or a mortar additivated with it, will be always resistant, solid, clean of dust, paint, waxes, oils and greases, and perfectly set.

PREPARATION AND APPLICATION OF THE MIXTURE

-Use as a primer on gypsum substrates: apply a single coat of undiluted **PRIMFIX** by brush or roller; allow to dry and apply the cementitious adhesive.
-Use as a bonding slurry: mix **PRIMFIX** and cement in a 1:1 ratio. Apply this mixture on the dry mortar with a brush, roller,... Spread the new mortar while the grout is still wet (wet-on-wet).
-Use as an additive to make screed mortars of 1 to 3 mm: apply a bonding slurry previously; mix in a cement mixer 50 kg of cement + 150 kg of fine sand + the necessary **PRIMFIX**.
-Use as an additive to make screed mortars from 3 to 30 mm: apply a pre-grouting slurry; mix 25 litres of **PRIMFIX** with 50 litres of water; mix in a concrete mixer 50 kg of cement + 200 kg of sand + the necessary liquid from the previous mixture.
-Use as an additive to make bonding mortars for bonding porcelain stoneware: mix 25 litres of **PRIMFIX** with 25 litres of water; mix in a cement mixer 50 kg of cement + 200 kg of sand + the liquid required from the previous mixture; always apply the product using the double bonding technique.

TECHNICAL DATA

Type of aqueous dispersion	synthetic polymers
Density	1.03 g/cm³
Content in solids	25%
pH	4
Flammabilitys	no
Toxicity	no
Temperature of application	from +5ºC to +35ºC
Resistance to flexion (with **RECRECEM PRE MIX**)	≥ 8.0 N/mm²
Resistance to compression (with **RECRECEM PRE MIX**)	≥ 35.0 N/mm²
Consumption:	
·As primer	0.05 L/m²
·As bonding slurry	0.2 L/m² **PRIMFIX** + 0.2 kg/m² portland
·As cement glue	0.14 L/m² **PRIMFIX** + 0.14 L/m² water + 0.36 kg/m² portland + 1.45 kg/m² sand
Estimated expiration	18 months
Presentation	5 L and 25 L

LATEFIX

EN13.888 compliant with **FIXCOLOR**

Latex to improve the impermeability and adhesion of **FIXCOLOR**.

White

MAIN FEATURES

-**LATEFIX** is a special polymer in an aqueous dispersion which, when mixed with grouting cement, gives the following result:
-Better waterproofing and adhesion.
-Better compactness: less porosity and absorption, and higher abrasion resistance.
-Improved compressive and flexural strengths.
-It is always used as a substitute of the water in grouts.

FIELDS OF APPLICATION

-Ideal for increasing the mechanical characteristics, impermeability and adhesion of the **FIXCOLOR**.
-Filling joints between tiles in swimming pools, tanks... as it increases resistance to the usual products that can be poured into the water: urine, bleach, detergents...
-Filling joints between tiles on exteriors: balconies, façades and terraces.
-Indispensable for repairing old or damaged joints.

HOW TO USE

SUPPORT PREPARATION

-The premise is to have resistant, solid joints, free of dust, paint, waxes...
-When the installation has been carried out with fast drying cement-glue, proceed with the grouting after 4 hours; and if the installation has been carried out with normal drying cement-glue, the grouting should be started after 24 hours.
-In very absorbent and dry joints or exposed to the sun, the joints should be dampened previously, bearing in mind that a temperature outside the range of +5ºC to +35ºC does not guarantee either a good consistency or a regular colouring.

PREPARATION AND APPLICATION OF THE MIXTURE

-Mix 5.5 - 6.0 litres of water with 25 kg of **FIXCOLOR** at low rpm; leave to rest for about 2 minutes and remix to obtain the mixture ready for use.
-NEVER MIX **LATEFIX** WITH WATER.
-Completely fill the joints with the help of a rubber spatula type **FIX-ESPATULA**, exerting enough pressure to fill all the existing cavities, and gradually collecting all the excess with the same spatula.
-AFTER MAXIMUM 15 MINUTES FROM APPLICATION, proceed to the surface finish of the joint and clean the tiles with the help of a slightly damp sponge. On the market, and for large surfaces, there are rotary machines with special discs for faster laying and cleaning (consult us).
-When grouting terracotta or absorbent tiles, we recommend applying a previous protective layer of **FIX-OIL** to close the pore.

TECHNICAL DATA

Density	1.4 g/cm^3
Mixing water	5.5-6.0 L / 25 kg sack
Density of the mixture with **FIXCOLOR 0-16**	1.6 g/cm^3
Temperature of application	from +5ºC to +30ºC
Grouting start after installation	24 hours
Starting cleaning (at +20ºC)	30 minutes
Can be walked on after	24 hours (+20ºC)
Final hardening	7 days
Resistance to abrasion	≤ 1000 mm^3
Resistance to flexion after dry storing	≥ 2.5 N/mm^2
Resistance to flexion after cycles	≥ 2.5 N/mm^2
Resistance to compression after dry storing	≥ 15 N/mm^2
Resistance to compression after cycles	≥ 15 N/mm^2
Shrinkage	≤ 3 mm/m
Water absorption (after 30 min)	≤ 2 g
Water absorption (after 240 min)	≤ 5 g
Consumption	consult technical dept.
Estimated expiration	18 months
Presentation	1.25 L and 25 L

ADIFLEX

C2T according to EN12.004 with **FIXACER**

Latex to improve the FLEXIBILITY, adhesion and impermeability of cementitious adhesives.

White

MAIN FEATURES

-**ADIFLEX** is a liquid compound consisting of polymers in aqueous dispersion which, when mixed with hydraulic adhesives and their compounds, improves their flexibility, adhesion and compressive and tensile strengths.
-It is always used as a substitute for WATER in cement-glue mixes.
-Compatible with any FIXCER or competitor's glue cement.
-Easy to use.

FIELDS OF APPLICATION

-Suitable for the most demanding requirements.
-For laying ceramic tiles, mosaics of all types, marble or slate, even large-size panels, on floor tiles and walls, both indoor and exterior.
-Ideal in built-in heating installations, or on top of cooling systems.
-Ideal for façades, balconies, terraces and areas exposed to shrinkage-dilation movements or subjected to vibrations.
-Ideal on precast concrete walls.

HOW TO USE

SUPPORT PREPARATION

-All substrates shall always be resistant, solid, clean of dust, paint, waxes, oils and grease, and shall be perfectly set. Highly absorbent substrates or exposed to the sun in hot weather should be dampened previously to prevent the rapid loss of water from the mixture.

PREPARATION AND APPLICATION OF THE MIXTURE

-Mix 5-6 liters of water per each **FIXACER** or **FIXSET GEL** sack of 25 kg.
-Use a low rpm electric mixer to avoid the formation of lumps.
-Let the mixture rest for 2 minutes and then remix to prepare the paste for use.
-Preferably use a notched trowel with appropriately sized teeth.
-Not moisten the tiles before placing them.
-Apply enough pressure to ensure a minimum contact of 80%.
-For façades and for attaching tiles larger than 30 x 30 cm or weighing over 40 kg/m^2, also use a compatible metal anchor.
-Protect the newly installed flooring from excessive heat, frost, rain, ..., for at least 24 hours after installation.

TECHNICAL DATA

Density	1.0 g/cm^3
Mixing water with **FIXACER**	5.5 L / 25 kg sack
Density of the mixture with **FIXACER**	1.5 g/cm^3
Temperature of application	from +5ºC to +35ºC
Adjustment time	45 minutes
Time for grouting	24 hours
Can be walked on after	48 hours
Thickness of layer	< 10 mm
Initial adhesion	≥ 1.0 N/mm^2
Adhesion after immersion in water	≥ 1.0 N/mm^2
Adhesion after heating	≥ 1.0 N/mm^2
Adhesion after freezing-thawing cycles	≥ 1.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 after 20 min
Slip	< 0.5 mm
Consumption for bonding large tiles	0.8 L/m^2 of **ADIFLEX** 4.0 kg/m^2 of **FIXACER**
Estimated expiration	18 months
Presentation	5 L and 25 L

HIDROPRIMER

Liquid primer for absorbent substrates such as plaster, plasterboard, gypsum plaster and porous mortars.

Blue

MAIN FEATURES

-**HIDROPRIMER** is a synthetic polymer dispersion for the priming of absorbent substrates as a previous preparation before the application of **HIDROFACIL**.
-**HIDROFACIL** is an ultra-flexible, solvent-free ready-mixed paste for continuous waterproofing of vertical or horizontal surfaces where ceramic tiles are to be bonded with flexible cementitious adhesive.

FIELDS OF APPLICATION

-**HIDROPRIMER** is a primer for bases or absorbent substrates such as: plasterboard, gypsum plaster, brick plaster, concrete or porous mortars, lime plaster, wood agglomerates,... **HIDROPRIMER** is used before applying **HIDROFACIL**.
-**HIDROFACIL** is a highly elastic paste for waterproofing walls and floors in areas with high humidity such as bathrooms, kitchens, cutting areas, sanitary installations, car washes... without stagnation or water pressure.

HOW TO USE

SUPPORT PREPARATION

-All substrates shall always be resistant, solid, with good planimetry, clean of dust, paint, waxes, oils and grease.
-In addition, gypsum-based substrates shall have a humidity < 0.3%, and cement mortar-based substrates shall have a humidity < 0.5%.

PREPARATION AND APPLICATION OF THE MIXTURE

-**HIDROPRIMER** is a ready-to-use product.
-Use as a primer: apply **HIDROPRIMER** in a single coat with a long-hair roller and allow it to dry for 2 hours; then adhere the ceramic tiles with the appropriate cementitious adhesive.
-Use for waterproofing bathrooms, changing rooms, or showers: first, apply **FIX-BANDA** in all corners to achieve complete waterproofing of these critical points. **FIX-BANDA** is an ultra-elastic butyl strip that is very easy to apply, simply remove the protective papers. Then, on absorbent substrates, apply a single coat of the **HIDROPRIMER** primer and let it dry for at least 2 hours. For waterproofing, apply two coats of **HIDROFACIL**, a ready-to-use single-component product. Apply it with a long-hair roller. Its bluish color allows you to see where the product has already been applied. After 1 hour (at +20ºC), the first layer should be dry. Apply a second, cross-coat layer. When the second coat is completely dry (minimum 3 hours), apply the ceramic tiles using a flexible cementitious adhesive such as **FIXAFLEX GEL**, **FIXARAPID FLEX**, etc. Use a notched trowel as appropriate.

TECHNICAL DATA

Type of aqueous dispersion	synthetic polymers
Appearance	bluish liquid
Density	1.02 g/cm^3
pH	8.5 ± 1
Flammabilitys	no
Toxicity	no
Temperature of application	from +5ºC to +40ºC
Drying time	approx. 2 hours (+20ºC)
Consumption according to substrate absorption	0.08 - 0.15 L/m^2
Estimated expiration	18 months
Presentation	1 L, 5 L and 10 L

FIX-TAPE 170mm

Thermoplastic elastomeric elastic strip for sealing joints with movement and expansion joints.

MAIN FEATURES

-**FIX-TAPE** is a thermoplastic thermo-sealable elastomer with high mechanical properties.
-Ultra-elastic band (600%) and total watertightness.
-Very high mechanical resistance in bending and compression and high wear resistance.
-High elongation at break and increased tear strength even at low temperatures.
-High resistance to UV radiation
-Resists the roots of plants and trees.
-May be in contact with bitumen.

FIELDS OF APPLICATION

-Sealing of construction joints, cracks, completely watertight expansion joints in industrial floors, swimming pools, drinking water tanks, terraces and shopping centres. Fixed to the substrate with **EPOXICOL**, we have the adhesion guarantee of an epoxy and a total watertightness.
-It can be placed on epoxy, aluminium, PVC liner, etc. but with its respective adhesive.
-Sealing cracks, fissures and joints with high structural movements: bridges, canals, basins.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting bond. Remove any remains of deteriorated concrete, unsound concrete, traces of dust, paint, release agents, waxes, ...

PRODUCT PREPARATION

-Join the necessary band sections by overlapping one band with the other by at least 5 cm and applying hot air at +320ºC.
-Insert the band in the expansion joint and hold it in position with the help of the **SELLALASTIC FOAM**.

PRODUCT APPLICATION

-Apply a layer of adhesive to both sides of the joint and press the tape firmly against the adhesive using a hard roller or a metal trowel. It is important that at least the felt and 2 cm of the tape are in contact with the adhesive to ensure a perfect grip, always leaving the central part of the tape clean. To do a neat job, it is advisable, before applying the adhesive, to stick a painter's tape on both sides of the expansion joint, leaving the correct width for the adhesive.
-We will choose one type of adhesive or another depending on the type of application and the desired degree of adhesion. For maximum adhesion on mortar or concrete use **EPOXICOL**.
-When applying a waterproofing such as **HIDROELASTIC**, **IMPERTOT**, **HIDROFIX**, ...the waterproofing can be used as the adhesive for the strip.
-In all cases, apply adhesive below and above the felt and about 2 cm above the central rubber of the strip.

COMMENTS TO TAKE INTO ACCOUNT

-Ask the Technical Department for a step-by-step guide for the correct application and bonding of **FIX-TAPE 170mm**.

TECHNICAL DATA

Type of elastomer	heat-shrunk
Elastomeric mass	1100 g/m^2
Thickness	1.5 mm
Toxicity	No
Temperature of application	from +12ºC to +30ºC
Longitudinal breaking force	140 N / 15 mm
Lateral breaking force	58 N / 15 mm
Elongation at break	486%
Resistance to water pressure	> 3.0 bar
UV resistance	2480 hours
Chemical resistance to	soft solvents diluted acids
Can not resist	gasoline acetone mineral oils
Consumption of **FIX-TAPE 170 mm**	1 m / 1 m
Consumption of **EPOXICOL**	0.5 - 0.75 kg/m
Estimated expiration	no expiry date
Presentation	rolls of 30 m

SELLALASTIC FOAM

Standardized according to DIN18.540

Ultra-elastic polyethylene cord for filling the bottom of expansion joints.

Grey

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting bond. Remove any remains of deteriorated concrete, unsound concrete, traces of dust, paint, release agents, waxes, ...

PRODUCT PREPARATION

-**SELLALASTIC FOAM** is a ready-to-use product.

PRODUCT APPLICATION

-Apply the **SELLALASTIC FOAM** under pressure so that the diameter of the **SELLALASTIC FOAM** is always 5 mm wider than the joint to be sealed. For example:

- -For expansion joints 10 mm wide, use the 15 mm cord.
- -For 15 mm wide expansion joints, use the 20 mm cord.
- -For 20 mm wide expansion joints, use the 25 mm cord.
- -For expansion joints 25 mm wide, use the 30 mm cord.
- -For expansion joints of 35 mm width, use the 40 mm cord.

-Press the cord into the joint.
-Leave a depth of 1 cm for the filler.

COMMENTS TO TAKE INTO ACCOUNT

-**SELLALASTIC FOAM** is supplied by linear meters in its different diameters.

TECHNICAL DATA

Type of polyethylene foam	closed cell
Density	24 kg/m^3
Toxicity	harmless
Temperature of application	from +1ºC to +40ºC
Elongation at break	65%
Resistance to shearing	2.2 kg/cm^2
Range of working temperatures	from -40ºC to +60ºC
UV resistance	unlimited
Chemical resistance	not suitable for hot asphalt
Consumption	1 m / 1 m
Estimated expiration	unlimited
Presentation - diameters	15, 20, 25, 30 and 40 mm

MAIN FEATURES

-Closed cell polyethylene foam cord.
-Maximum elasticity and durability.
-Do not use for other uses than those specified here without previous consultation with our technical department.
-Do not use as a finishing product: it needs to be covered with elastic fillers to fulfill the correct function of an expansion joint.

FIELD OF APPLICATION

-Ideal for filling the expansion joint previous to sealing with **SILICONA NEUTRA-FIXCER**, with **SELLALASTIC**, **SELLAFIX** or **SELLADOR S10**.
-With **SELLALASTIC FOAM** we ensure that the depth of the movement joint never exceeds the width of the joint.
-Closed cell polyethylene cord for use as a filler in expansion joints before the application of elastic mastic.

SELLALASTIC

PW EXT-INT CC according to EN15.651-4

Polyurethane putty with extraordinary elasticity, ideal for EXPANSION JOINTS.

0| White | 8| Grey | 11| Black | 4| Medium brown

MAIN FEATURES

-Polyurethane elastomer suitable for expansion joints subject to large movements.
-It is fast curing and has excellent adhesion to all building materials.
-Totally waterproof, watertight and elastic.
-Secure and durable grip.
-It is resistant to oils and greases.
-Does not corrode surfaces.
-Prevents the formation of fungus.
-It can be applied without previous priming.

FIELD OF APPLICATION

-Ideal for sealing outdoor joints between ceramic-ceramic, aluminium-ceramic and similar components.
-Perfect elastic sealing of expansion joints in industrial flooring, façades, terraces...
-Suitable for walls and floor tiles.
-It has a secure and durable grip on building elements such as ceramics, concrete, mortar, aluminium frames, glass or wood.
-A putty suitable for interiors and exteriors subject to strong vibrations.

HOW TO USE

SUPPORT PREPARATION

-All contact surfaces must be resistant, solid, free of dust, paint, waxes, oils and grease, and perfectly cured (for concrete: 4 weeks).

PRODUCT PREPARATION

-Drill the internal seal at the end of the cartridge.
-Cut the cannula to the desired diameter and inclination.
-Apply the product with the **PISTOLA ANTIGOTA** for standard tube of 310 ml.

PRODUCT APPLICATION

-**Use as expansion joint filler:**
-The depth of the joint shall never exceed the width of the joint.
-Joints of 10 to 20 mm wide by 10 mm deep are recommended.
-If the depth exceeds 10 mm, fill the remaining gap with **SELLALASTIC FOAM**.
-If the joint is very wide, apply the filler in three successive passes: the first two near the sides of the joint, and the third pass in the centre.
-It can be smoothed using a similar tool and a little soapy water.
-Use masking tape to ensure a perfect joint finish.
-The masking tape is removed when the mastic is still fresh.
-**Use as an adhesive:** in cases where it is used as a bonding adhesive, apply the product to the two parts to be joined, spread and press both together firmly during the drying period.

COMMENTS TO TAKE INTO ACCOUNT

-PAINTING THE JOINT: paint the joint only after it has dried completely. Acrylic or vinyl dispersion paints are recommended, after testing.

TECHNICAL DATA

Density	1.2 g/cm^3
Toxicity	contains isocyanates
Temperature of application	from +5ºC to +40ºC
Skin formation time	75-105 min (+23ºC; 50%RH)
Polymerisation speed	3mm / 24hrs (+23ºC; 50%RH)
Shore A hardness	35
Elasticity	0.35 MPa
Elongation at break	250%
Elastic recovery	> 70%
Movement capacity	25%
Range of working temperatures	from -20ºC to +80ºC
UV resistance	slight colour increase
Chemical resistance	consult technical dept.
Paintable	yes
Consumption (10 x 10 mm deep joint)	1 cartridge / 3.1 m
Consumption (8 x 10 mm deep joint)	1 cartridge / 3.8 m
Estimated expiration	12 months
Presentation	cartridge of 300 cm^3

SILICONA NEUTRA

F-EXT-INT-CC; G-CC; S (trans); F-EXT-INT-CC; G-CC (color) according to EN15.651/1/2/3

Pure, solvent-free, anti-mould silicone. Specially for jointing and expansion joints.

White | Cement grey | Transparent

MAIN FEATURES

-Formulated with the highest quality raw materials without the use of solvents.
-Totally odourless VOC = 0%.
-Excellent elasticity and total watertightness.
-High adhesion on clean surfaces.
-Does not form mould.
-It has no retraction.
-Does not attack aluminium or mirrors.
-It is U.V. resistant.
-No pre-priming is required.

FIELD OF APPLICATION

-Indoors and outdoors.
-Super-elastic sealing of expansion joints in indoor bathrooms or outdoor areas and swimming pools.
-Sealing of the methacrylate-aluminium or glass-aluminium joint in shower enclosures: watertightness, adhesion and maximum flexibility.
-Sealing of joints between the bathtub and glazed decorative tiles.
-Sealing of the joints between mirror and ceramic: does not attack the metallic layer of tin or mercury.
-Sealing between PVC, ceramic, marble, stainless steel elements.

HOW TO USE

SUPPORT PREPARATION

-All contact surfaces must be resistant, solid, free of dust, paint, waxes, oils and grease, and perfectly cured and dry (for concrete: 4 weeks).

PRODUCT PREPARATION

-Cut the cannula to the desired diameter and inclination. Use a cutter or scissors, and insert the cartridge into the **PISTOLA ANTIGOTA** for pipe of 310 cm^3.
-Apply the product making sure that it is in contact with the sides of the joint, or the concrete, or the crack, etc. to be sealed.

PRODUCT APPLICATION

-Use as expansion joint filler: three basic points are recommended:
-The depth of the joint shall never exceed the width of the joint.
-Joints of 10 to 20 mm wide by 10 mm deep are recommended.
-If the depth exceeds 10 mm, fill the remaining gap with **SELLALASTIC FOAM**.
-If the joint is very wide, apply the filler in three successive passes: the first two near the sides of the joint, and the third pass in the centre.
-It can be smoothed using a similar tool and a little soapy water.
-Use masking tape to ensure a perfect joint finish.
-The masking tape is removed when the mastic is still fresh.

TECHNICAL DATA

Density	1.0 / 1.37g/cm^3 (trans/colour)
Toxicity	contains polysiloxane
Temperature of application	from +5ºC to +40ºC
Skin formation time	< 15 / < 20 min (trans/colour)
Speed of polymerisation	2-3mm/24hrs (+23ºC;50%RH)
Shrinkage	0%
Resistance to traction	0.5 / 0.6 N/mm^2 (trans/colour)
Shore A hardness	24± 5 / 27± 5 (trans/colour)
Elasticity	0.35 / 0.4 Mpa (trans/colour)
Elongation at break	300% / 250% (trans/colour)
Movement capacity	25%
Range of working temperatures	from -40ºC to +150ºC
UV resistance	totally resistant
Chemical resistance	consult technical dept.
Paintable	no
Consumption (10 x 10 mm deep joint)	1 cartridge / 3.1 m
Consumption (8 x 10 mm deep joint)	1 cartridge / 3.8 m
Estimated expiration	12 months
Presentation	cartridge of 310 cm^3

SELLAFIX

Tri-component, self-levelling polyurethane for elastic and anti-acid sealing of expansion joints.

Grey

MAIN FEATURES

-Modified polyurethane suitable for expansion joints subjected to high compressive-expansion stresses and chemical attack.
-Fast curing.
-It is resistant to oils and greases.
-It is waterproof and prevents the formation of fungus.
-Perfect elastic and anti-acid sealing of expansion joints.
-Secure and long-lasting adhesion to building elements such as ceramic, concrete, mortar, among others, without previous priming.

FIELD OF APPLICATION

-Ideal for cold rooms, swimming pools, laboratories, chemical industry, food industry, cracks in screeds, car parks, supermarkets and demanding surfaces.
-Its low modulus gives it great elasticity: putty suitable for interiors and exteriors subject to strong vibrations.
-It is resistant to: oils, grease, is waterproof and prevents the formation of fungus.
-For floorings only.

HOW TO USE

SUPPORT PREPARATION

-All contact surfaces must be resistant, solid, free of dust, paint, waxes, oils and grease, and perfectly cured and dry (for concrete: 4 weeks).

PRODUCT PREPARATION

-Mix the three pre-dosed components: one large bottle, one small bottle and one bag of powder. Mix with a slow electric mixer.
-Protect the sides of the expansion joint with masking tape.

PRODUCT APPLICATION

-Pour **SELLAFIX** into the joint. Remove the painter's tape and it's ready.
-The depth of the joint should never exceed the width of the joint.
-Expansion joints of 10 to 20 mm wide by 10 mm deep are recommended.
-If the depth exceeds the recommended 10 mm, fill the remaining gap with **SELLALASTIC FOAM**.
-Even if the joint is very wide, we can apply **SELLAFIX** all in one application: the material flows and fills the pre-established gap without any shrinkage.
-Pay special attention to any empty cavities under the ceramic: the self-levelling product will tend to fill them, thus lowering the final level of the joint.

COMMENTS TO TAKE INTO ACCOUNT

-PAINTING THE JOINT: paint the joint only after it has dried completely. Acrylic or vinyl dispersion paints are recommended, after testing.

TECHNICAL DATA

Density	1.5 g/cm^3
Toxicity	contains reactive resins
Temperature of application	from +5ºC to +40ºC
Pot life	30 minutes (+23ºC; 50%RH)
Skin formation time	75 minutes (+23ºC; 50%RH)
Can be walked on after	24 hours (+23ºC; 50%RH)
Resistance to traction	≥ 2.0 N/mm^2
Resistance to shearing	≥ 2.0 N/mm^2
Range of working temperatures	from -40ºC to +100ºC
UV resistance	slight colour increase
Chemical resistance	consult technical dept.
Paintable	yes
Consumption (10 x 10 mm deep joint)	0.15 kg/m
Consumption (8 x 10 mm deep joint)	0.12 kg/m
Estimated expiration	30 months
Presentation	3 kg and 12 kg

IMPRIMACION SELLADOR S10

Transparent and liquid polyurethane tack promoter for absorbent or semi-absorbent surfaces.

Transparent

HOW TO USE

SUPPORT PREPARATION
-All contact surfaces must be resistant, solid, free of dust, paint, waxes, oils and grease, and perfectly cured and dry (for concrete: 4 weeks).

PRODUCT PREPARATION
-**IMPRIMACIÓN SELLADOR S10** is a ready-to-use product.

PRODUCT APPLICATION
-Apply **IMPRIMACIÓN SELLADOR S10** with a brush or paintbrush.
-Allow the **IMPRIMACION SELLADOR S10** to dry for a minimum of 1 hour and a maximum of 4 hours.
-Open the **SELLADOR S10** sausage using scissors and insert it into the **PISTOLA TUBULAR** or open the **SELLALASTIC** cartridge and insert it into the **PISTOLA ANTI-GOTA**.
-In both cases cut the cannula to the desired diameter and inclination.
-Apply the putty, making sure that it goes in deep.

COMMENTS TO TAKE INTO ACCOUNT
-Watch the **SELLADOR S10** video for a correct application of the product.

TECHNICAL DATA

Type of polyurethane transparent	low viscosity
Density	1.03 g/cm^3
Toxicity	toxic in aqueous medium
Temperature of application	from +1ºC to +40ºC
Range of working temperatures	from -40ºC to +90ºC
Consumption	0.2 L/m^2 = 0.004 L/m
Estimated expiration	24 months
Presentation	500 cm^3 and 1 L

MAIN FEATURES
-Transparent liquid.
-Degreaser and sealer.
-Very powerful tack promoter.
-Easy application by brush or roller.
-Applicable indoors and outdoors.
-Applicable horizontally and vertically.

FIELD OF APPLICATION
-To seal the pore of absorbent substrates before to the application of **SELLADOR S10** or **SELLALASTIC**.
-It is essential to use it when the surfaces to be sealed are absorbent: brick, mortar, concrete, highly absorbent ceramics, etc.
-Specially suitable for application on porous absorbent surfaces after application of polyurethane putties.
-Do not apply on non-absorbent substrates: stainless steel, glass, aluminium,...

SELLADOR S10

F-EXT-INT & PW-INT according to EN15.651-1 and EN15.651-4

Polyurethane putty for ultra-elastic and 100% water-tight sealing of all PVC-concrete and ABS-concrete joints.

Grey

MAIN FEATURES

-High quality polyurethane elastomer, designed to meet the high technical requirements of swimming pools: adhesion, watertightness, durability and water resistance.
-Dries quickly at a rate of 1.5 mm / 24 hours (+20ºC; +65%RH).
-Extraordinary elasticity (more than 800%).
-It is resistant to oils and greases.
-Does not corrode surfaces.
-Prevents the formation of fungus.

FIELD OF APPLICATION

-On non-absorbent surfaces without primer (aluminium, glass...), and on absorbent surfaces after priming with **IMPRIMACIÓN SELLADOR S10** (on concrete, mortar, wood, tiles, bricks).
-Ideal for sealing live cracks in concrete.
-Ideal in extreme cases: underfloor heating, cold rooms at -30ºC, façades subjected to inclement heat, cold and humidity, etc.
-Ideal for sealing PVC wall penetrations in public or private swimming pools.

HOW TO USE

SUPPORT PREPARATION

-**SELLADOR S10** is applied on NON-absorbent surfaces without primer (aluminium, glass...), and on absorbent surfaces after priming with **IMPRIMACIÓN SELLADOR S10** (on concrete, mortar, wood, tiles).

PRODUCT PREPARATION

-Allow the **IMPRIMACIÓN SELLADOR S10** to dry for a minimum of 1 hour and a maximum of 4 hours.
-Open the sausage using scissors and insert it into the **PISTOLA TUBULAR**.
-Cut the cannula to the desired diameter and inclination. Apply the product making sure that it enters deeply.

PRODUCT APPLICATION

-**Use as expansion joint filler:** three basic points are recommended:
-The depth of the joint shall never exceed the width of the joint.
-Joints of 10 to 20 mm wide by 10 mm deep are recommended.
-If the depth exceeds 10 mm, fill the remaining gap with **SELLALASTIC FOAM**.
-If the joint is very wide, apply the filler in three successive passes: the first two near the sides of the joint, and the third pass in the centre.
-It can be smoothed using a similar tool and a little soapy water.
-Use masking tape to ensure a perfect joint finish.
-The masking tape is removed when the mastic is still fresh.

COMMENTS TO TAKE INTO ACCOUNT

-Watch the **SELLADOR S10** video for a correct application of the product.

TECHNICAL DATA

Density	1.3 g/cm^3
Toxicity	contains isocyanates
Temperature of application	from +1ºC to +30ºC
Skin formation time	15 min (+20ºC; 65%RH)
Polymerisation speed	3mm / 24hrs (+20ºC; 65%RH)
Shore A hardness	40 ± 5
Elasticity	0.6 MPa
Elongation at break	> 600%
Elastic recovery	> 80%
Movement capacity	15%
Range of working temperatures	from -30ºC to +90ºC
UV resistance	slight colour increase
Chemical resistance	consult technical dept.
Paintable	yes
Consumption (10 x 10 mm deep joint)	1 cartridge / 6 m
Consumption (8 x 10 mm deep joint)	1 cartridge / 7.4 m
Estimated expiration	12 months
Presentation	cartridge of 600 cm^3

FUGA-STOP 25x20mm

Hydro-expansive cord for the safe sealing of concrete joints in swimming pools, tanks, ponds and structures in general. Provides very effective leak prevention.

MAIN FEATURES

-Bentonite cord modified with butyl rubber.
-Maximum safety at minimum cost.
-Does not react to moisture in the concrete during formwork.
-It expands when it receives water directly from somewhere and acts only in the area where the water comes from, sealing the crack.
-It offers maximum precision compared to other types of joints that react to water only once and 100% without discriminating the affected area.

FIELD OF APPLICATION

-In the working joints, if water seeps in, it will eventually reach the **FUGA-STOP** and this will expand, preventing the progressive advance of the water.
-Construction joints, cold joints, diaphragm walls, concrete joints, pipe penetration joints,...
-Applicable both vertically and horizontally.
-Water treatment plants, car parks, reservoirs, swimming pools, subway, tunnels, galleries, dams, hydraulic works.... even at very high pressures.
-In concrete containing chemically aggressive products or seawater.

HOW TO USE

SUPPORT PREPARATION

-All substrates shall always be resistant, solid, clean of dust and debris. It is not necessary for the area to be dry, but it is essential that there is no standing water.

PRODUCT PREPARATION

-**FUGA-STOP 25 x 20 mm** is a ready-to-use product.

PRODUCT APPLICATION

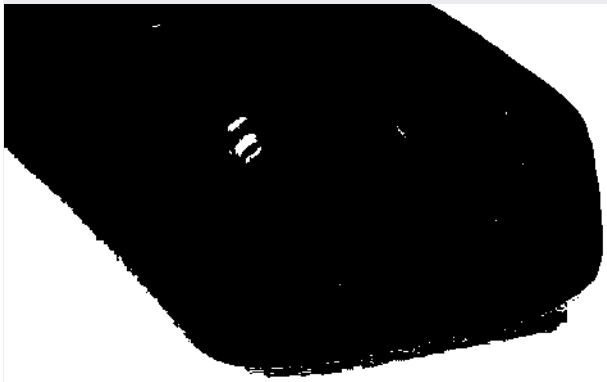
-Place the cord in the middle of the joint and along its entire length.
-In general, we can place the joint with nails or with **MASTIC MS** to avoid its movement at the time of concreting. This is also the easiest way to install the joint when it is installed in vertical joints.
-**FUGA-STOP** must be compactly embedded with a minimum of 7 cm of concrete covering all around.
-**FUGA-STOP** has a delayed expansion that allows it to withstand 48 hours in water without excessive expansion. This will allow contact with the new wet concrete until it has set for the first time.
-In the areas where one roll joins another, make a "continuous joint": simply place the beginning of the new roll with the end of the previous one, or make an "overlapping joint" of about 3 cm of the two adjacent rolls. In the latter case, it must be ensured that there will be at least 7 cm of concrete around the two strands.

COMMENTS TO TAKE INTO ACCOUNT

-Watch the **FUGA-STOP 25 x 20 mm** video for a correct application of the product.

TECHNICAL DATA

Type of bentonite modification	with butyl rubber
Density	1.5 g/cm^3
Toxicity	no
Flammability	no
% VOC	< 0.1%
Temperature of application	from -15ºC to +60ºC
Expansion pressure	0.82 N/mm^2
Elongation	300%
Maximum expansion after immersion	300% (after 10 days)
Resistance to hydrostatic pressure	water column > 80m
Range of working temperatures	from -45ºC to +120ºC
Consumption	1 m / 1 m
Estimated expiration	unlimited
Presentation	6 units of 5 m (30m/box)



FUGA-STOP MINI 20x10mm

Hydro-expansive cord for the safe sealing of concrete joints in swimming pools, tanks, ponds and structures in general. Provides very effective leak prevention.

MAIN FEATURES

-Bentonite cord modified with butyl rubber.
-Maximum safety at minimum cost.
-Does not react to moisture in the concrete during formwork.
-It expands when it receives water directly from somewhere and acts only in the area where the water comes from, sealing the crack.
-It offers maximum precision compared to other types of joints that react to water only once and 100% without discriminating the affected area.

FIELD OF APPLICATION

-In the working joints, if water seeps in, it will eventually reach the **FUGA-STOP** and this will expand, preventing the progressive advance of the water.
-Construction joints, cold joints, diaphragm walls, concrete joints, pipe penetration joints,...
-Applicable both vertically and horizontally.
-Water treatment plants, car parks, reservoirs, swimming pools, subway, tunnels, galleries, dams, hydraulic works.... even at very high pressures.
-In concrete containing chemically aggressive products or seawater.

HOW TO USE

SUPPORT PREPARATION

-All substrates shall always be resistant, solid, clean of dust and debris. It is not necessary for the area to be dry, but it is essential that there is no standing water.

PRODUCT PREPARATION

-**FUGA-STOP MINI 20 x 10 mm** is a ready-to-use product.

PRODUCT APPLICATION

-Place the cord in the middle of the joint and along its entire length.
-In general, we can place the joint with nails or with **MASTIC MS** to avoid its movement at the time of concreting. This is also the easiest way to install the joint when it is installed in vertical joints.
-**FUGA-STOP MINI** must be compactly embedded with a minimum of 4 cm of concrete covering all around.
-**FUGA-STOP MINI** has a delayed expansion that allows it to withstand 48 hours in water without excessive expansion. This will allow contact with the new wet concrete until it has set for the first time.
-In the areas where one roll joins another, make a "continuous joint": simply place the beginning of the new roll with the end of the previous one, or make an ‘overlapping joint’ of about 3 cm. of the two adjacent rolls. In the latter case, it must be ensured that there will be at least 4 cm of concrete around the two strands.

COMMENTS TO TAKE INTO ACCOUNT

-Watch the **FUGA-STOP MINI 20 x 10 mm** video for a correct application of the product.

TECHNICAL DATA

Type of bentonite modification	with butyl rubber
Density	1.5 g/cm^3
Toxicity	no
Flammability	no
% VOC	< 0.1%
Temperature of application	from -15ºC to +60ºC
Expansion pressure	0.82 N/mm^2
Elongation	300%
Maximum expansion after immersion	300% (after 10 days)
Resistance to hydrostatic pressure	water column > 80m
Range of working temperatures	from -45ºC to +120ºC
Consumption	1 m / 1 m
Estimated expiration	unlimited
Presentation	7 units of 10 m (70m/box)

FIX-TERRATS FIBRA

C, MC (2/2,2) according to EN1.504-2

Fibre-reinforced elastic paint for waterproofing non-trafficable outdoor terraces.

Red Grey Brick

MAIN FEATURES

-Ready-to-use, fibre-reinforced, single-component fluid paint, very easy to apply and very elastic.
-It is formulated with elastic polymers that dry to give a continuous surface, without overlaps, waterproof, resistant to UV rays, fumes and frost.
-It is of high quality and fully complies with the most stringent standards.
-Ceramic-free finishing paint.
-Resistant to adverse weather conditions.

FIELDS OF APPLICATION

-Waterproofing roofs, terraces, vaults, overhangs, parapets, walls, copings, chimneys, fibre cement roofs, tiles, canopies, bricks, screeds...
-It allows domestic transit for occasional TV antenna checks and for hanging clothes on the clothesline.
-Recovery of the waterproofing of roofs, roof terraces, terraces, etc.
-It can also be used as a paint to protect concrete against carbonation.

HOW TO USE

SUPPORT PREPARATION

-Remove any remains of deteriorated, unconnected, unsound, unintegrable concrete or remains of dust, mould, paints, waxes, release agents, ...
-Repair with **FIX-REPAR**, all chipping, holes or cavities on the surface to be waterproofed. In these cases, leave the **FIX-REPAR** to dry for 24 hours.
-Check that the slopes will be enough to evacuate rainwater by gravity. In no case will this slope be less than 1%.
-The substrate to be treated may be slightly damp, but it must never be soaked with water. If so, it should be left to dry.
-Expansion joints and cracks must be sealed with the elastic self-adhesive band **FIX-BANDA**: remove the protective papers and stick it on both sides of the joint.

PRODUCT PREPARATION

-**FIX-TERRATS FIBRA** is a ready-to-use product.

PRODUCT APPLICATION

-**On highly absorbent substrates** (concrete, mortar, fibre cement) apply a primer with a mixture of 2 parts clean water and 1 part **FIX-TERRATS FIBRA**. Once the primer is dry, apply 2 coats of **FIX-TERRATS FIBRA** with a brush or wool roller. Between the 1st and 2nd coats, and while the 1st coat is still wet, we can reinforce the waterproofing by inserting a sheet or veil of fibreglass **VELO-TERRATS-50** or other similar reinforcement.
-**In low absorption substrates** (bricks, old ceramics), in these cases the primer should not be applied. Directly apply 2 coats of **FIX-TERRATS FIBRA** using the tools described above.

COMMENTS TO TAKE INTO ACCOUNT

-It is always advisable to intercalate a sheet or veil of fibreglass of the **VELO-TERRATS-50** type between the 1st and 2nd layer, in order to improve the tensile strength of the resulting waterproof sheet.

TECHNICAL DATA

Type of aqueous dispersion	synthetic polymers
Appearance	fiber-reinforced paste
Density	1.4 g/cm^3
Toxicity	no
Flammability	no
Temperature of application	from +5ºC to +35ºC
Drying time to touch	30 minutes (+23ºC)
Complete drying time	24 hours (+23ºC)
Adhesion (flexible system without traffic load)	≥ 0.8 N/mm^2
Water permeability	< 0.1 kg/m^2*h^2
Water vapour permeability for Class I	Sd < 5m = permeable
Ash content	27%
Non-volatile content	69%
Consumption	1.0 - 1.5 kg/m^2 per coat
Estimated expiration	24 months
Presentation	1 kg, 10 kg and 25 kg

HIDROFACIL

DM O2P according to EN14.891

Waterproof, elastic, ready-to-use, single-component, quick-drying paint for terraces, shower trays and changing rooms.

Blue

MAIN FEATURES

-It is the simplest waterproofing as it is a ready-to-use paint: open the can and paint.
-Waterproof and very elastic paint.
-Fast-drying: in only 4 hours (at +23°C) the final ceramic coating can be applied.
-It is of high quality and fully complies with the most stringent standards.
-Applicable in vertically and horizontally.
-Resistant to frost.
-Resistant to mild alkalis.

FIELDS OF APPLICATION

-Waterproofing with ceramic finish of balconies, terraces, bathrooms, shower trays, saunas, changing rooms, swimming pool decks, kitchens, laundries,
-Can be used on mortars, **PAVIFORT**, **RECRECEM PRE-MIX**, concrete (with relative humidity < 3%), plasterboard type Pladur, existing ceramic walls...

HOW TO USE

SUPPORT PREPARATION

-Remove any concrete residue, dust, mould, paint, wax, release agents.
-Repair with **FIX-REPAR** all chipping and holes. Leave to dry for 24 hours.
-The recommended slope is 1% to evacuate rainwater by gravity.
-The substrate to be treated may be slightly damp (< 3%) but will never be soaked with water. If so, it should be left to dry.
-In corners: apply **FIX-BANDA** or **BANDA IMPERMEABLE 120/70**.
-In drains: apply **FIX-BANDA DRAIN** previously.
-On fragile, deteriorated or micro-cracked surfaces: insert the **VELO-TERRATS-50** fabric while the first coat is still wet.
-In expansion joints: apply the **FIX-TAPE** or the **BANDA IMPERMEABLE 120/70**.

PRODUCT PREPARATION

-**HIDROFACIL** is a ready-to-use product.

PRODUCT APPLICATION

Apply a first coat of **HIDROFACIL** using a long hair roller, brush, flat metal trowel or airless; apply a minimum thickness of 0.4 - 0.5 mm; allow to dry for 1 hour (at +23ºC and 50%RH); when **HIDROFACIL** is dry it will turn from its original sky blue colour to a darker blue colour; apply a second coat of **HIDROFACIL** also with a minimum thickness of 0.4 - 0.5 mm and allow to dry for 3 hours (at +23ºC and 50%RH).

COMMENTS TO TAKE INTO ACCOUNT

-After 12 hours of drying it is possible to carry out the watertightness test.
-After 4 hours it is possible to glue the coating ceramic tile with a flexible cementitious adhesive such as **FIXAFLEX GEL** or **FIXARAPID FLEX**.

TECHNICAL DATA

Density	1.3 - 1.4 g/cm³
Proportion of mix	pre-dosed
pH	8.5 - 9.5
Toxicity	no
Temperature of application	from +5ºC to +35ºC
Drying time between coats	1 hour (+23ºC; 50%RH)
Waiting time before tiling	3 - 4 hours (+23ºC; 50%RH)
Initial adhesion	≥ 0.5 N/mm²
Adhesion after immersion in water	≥ 0.5 N/mm²
Adhesion after heating	≥ 0.5 N/mm²
Impermeability	100% (1.5 bar / 7 days)
Resistance to cracking	≥ 0.75 mm (-20ºC)
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm²
Adhesion after immersion in chlorinated water	≥ 0.5 N/mm²
Consumption (2 coats de 0,5 mm/coat)	1.0 - 1.3 kg/m²
Estimated expiration	6 months
Presentation	5 kg and 25 kg

FIXAQUA PRIMER

An epoxy primer applicable to wet, dirty or disintegrable mortar substrates as an adhesion promoter.

White

MAIN FEATURES

-Advanced water-based epoxy formulation for priming dusty, friable or even wet substrates as an adhesion promoter.
-Effective primer to cover pores.
-Very low viscosity: very easy to apply.
-Excellent adhesion.
-Great pot-life.
-Pre-dosed product: avoids errors on site.

FIELDS OF APPLICATION

-Primer with high capillary penetration for wet or dusty mortar substrates and for the subsequent application of **FIXAQUA FILM**.
-Applicable on wood, metal, old ceramic, stainless steel, glass and acrylic based membranes.
-**Pore-covering** protection for mortar or concrete surfaces which are dusty or slightly disintegrated. Reinforces and consolidates.
-Applicable in horizontally, vertically, indoors and outdoors.

HOW TO USE

SUPPORT PREPARATION

-It can be applied on dusty substrates, as it will fix and seal the surface conveniently for the subsequent application of paints, but it cannot be applied on decomposed materials and not supportive with the base.
-We must also check that there is no grease, paint, tar, oil, ...
-Finally, we must distinguish between a wet substrate and a substrate with standing water. In the latter case it is not possible to apply the product.

PRODUCT PREPARATION

-Pre-dosed product. Mix at low rpm for at least 3 minutes.

PRODUCT APPLICATION

-Very low viscosity product, so it is very easy to apply with a short hair roller on mortar or with a lacquer roller on metal or wood or ceramic, both on horizontal and vertical surfaces.
-1st option: prime with **FIXAQUA PRIMER** and apply the next product in question, within the first 6 - 8 hours of drying.
-2nd option: prime with **FIXAQUA PRIMER** and immediately sprinkle **CUARZONATURAL R**. In this case, leave to dry for 24 hours and before painting, vacuum up any sand that has not adhered.

COMMENTS TO TAKE INTO ACCOUNT

-Use as a pore filler on mortar or concrete to restore the substrate; apply **FIXAQUA PRIMER** with a wool roller and leave to dry for 24 hours. After this time, apply another coat if a more closed and crystallised surface is desired.

TECHNICAL DATA

Type of epoxy resin	water-based
Proportion of mix	pre-dosificado
Density of the mixture	1.1 g/cm^3
Toxicity	irritant
Flammability	no
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour (+20ºC; 50%RH)
Complete drying time	7 days (+20ºC; 50%RH)
Adhesion to wet concrete	≥ 1.5 N/mm^2
Adhesion to aluminum	≥ 2.0 N/mm^2
Consumption	0.3 kg/m^2
Estimated expiration	24 months
Presentation	4 kg

FIXAQUA FILM

C,RI according to EN1504-2

Liquid polyurethane membrane for in-situ and overlap-free waterproofing of roofs, roof terraces, floorings, swimming pool decks, changing rooms.

Grey

MAIN FEATURES

-Water-based polyurethane 100% watertight.
-Breathable water vapour.
-Resistant to ultraviolet rays.
-Bridges cracks in the substrate.
-Resistance to seawater, dilute acids and alkalis, acid rain and micro-organisms.
-Abrasion and impact resistance.
-Thermally resistant from -40ºC to +90ºC.
-It is very dust repellent.
-Has very low VOC < 100 g/L.

FIELDS OF APPLICATION

-Continuous waterproofing, no joints, no overlaps, no seams, installed on site.
-Waterproofing of mortar, concrete, wood, metal, ceramic roofs, bathrooms, changing rooms, swimming pool decks, cornices.
-Elastic waterproofing that replaces asphalt fabric on terraces and balconies.
-Totally walkable at pedestrian level.
-Re-waterproofing of old asphalt sheets, acrylic paints, roofs with tiles, zinc, aluminium and fibre cement.

HOW TO USE

SUPPORT PREPARATION

1º-Remove any remaining concrete, dust, mould, paint, wax, release agents.
2º-In dusty substrates, prime the surface with **FIXAQUA PRIMER**.
3º-Wet mortar substrates (not waterlogged) must first be primed with **FIXAQUA PRIMER**. Do not apply **FIXAQUA FILM** if there is standing water.
4º-Expansion joints or cracks that may be present on the surface must be previously sealed with the ultra-elastic self-adhesive band **FIX-BANDA**. By simply removing the protective paper, **FIX-BANDA** adheres with total security to both sides of the joint or crack.
5º-On metal, glass, wood, ceramic, asphalt fabric, etc. follow the instructions in the following section.

PRODUCT PREPARATION

-**FIXAQUA FILM** is a ready-to-use product.

PRODUCT APPLICATION

-Ready-to-use one-component paint. Do not add anything else. Open the can and mix the paint for 2 minutes to homogenise it.
-As it is water-based, we have an indefinite time to apply it and what is left in the can can be used for another work.
-Apply in general with a short-haired roller on walls or with a flat metal trowel on floors.
-It can also be applied with airless. Let dry at least 18 - 36 hours and always apply at least a second coat. It is not necessary to deaerate the paint.

COMMENTS TO TAKE INTO ACCOUNT

Laying ceramic tiles on floors, coverings and swimming pool decks: we can bond directly onto the dry **FIXAQUA FILM**, using the cementitious adhesive type C2S1 **TECNOCOL GEL**.

TECHNICAL DATA

Type of polyurethane	water-based
Toxicity	no
Flammability	no
Temperature of application and no imminent rain	from +5ºC to +35ºC
Drying time between coats	18 - 36 hours (+20ºC;50%RH)
Waiting time for tiling	72 hours (+20ºC; 50%RH)
Tension force at -25ºC and +20ºC	4.2 N/mm² ; 5 N/mm²
Elongation at break at -25ºC and +20ºC	1900% ; 2000%
Elasticity module at -25ºC and +20ºC	1.3 N/mm² ; 1.5 N/mm²
Water vapour permeability	≥ 15 g/m² ·day
Waterproofing without penetration of	water column 1 m
Adhesion to concrete	> 1.5 N/mm²
Shore A hardness	60
Range of working temperatures	from -40ºC to +90ºC
Consumption	1.5 - 2.0 kg/m²
Estimated expiration	24 months
Presentation	3.75 kg

FIXAQUA TRANS

Single-component, transparent and highly elastic liquid polyurethane membrane for continuous waterproofing, seamless, flexible, laid in situ.
Flexible and TRANSPARENT waterproofing, easily, quickly and safely installed on site.

Transparent

MAIN FEATURES
-100% waterproof and watertight.
-Highly resistant to ultraviolet rays.
-Non-yellowing and weather resistant.
-Has great elasticity: it bridges cracks.
-Chemical and micro-organism resistance.
-Excellent adhesion to the surface.
-Abrasion and impact resistance.
-Thermal resistance between -50ºC and +100ºC.
-Highly dust-repellent: easy to clean.
-Fast drying even at low temperatures.

FIELDS OF APPLICATION
-Waterproofing old ceramic roofs that have lost their watertightness while preserving their aesthetic appearance.
-Fully walkable at pedestrian level.
-Reinforcement protection for old acrylic waterproofing that has lost its effectiveness in terms of watertightness.
-Reinforcement protection for new **FIXAQUA FILM** type elastic polyurethane waterproofing against UV rays.

HOW TO USE

SUPPORT PREPARATION
1º-The substrate must be clean: remove all traces of dust, mould, paint, wax, release agents,...
2º-Choose a day WITHOUT wind, otherwise the dirt will stick to the transparent film.
3º-The substrate must be consistent: it can be elastic, as would be the case with **FIXAQUA FILM**, but its base must be solid.
4º-The substrate must have a humidity of less than 4%. In the case of application on **FIXAQUA FILM**, it must be totally dry.

PRODUCT PREPARATION
-**FIXAQUA TRANS** is a ready-to-use product.

PRODUCT APPLICATION
-**FIXAQUA TRANS** can be applied with airless, brush or roller in 2 coats.
-Application on **FIX-TERRATS FIBRA** or similar: **FIXAQUA TRANS** as a final coat gives a glossy appearance.
-Application on old ceramics: mix 2 parts of **FIXAQUA TRANS** with 1 part of **FIXAQUA DISOLVENTE**; apply the mixture with a short hair roller. Leave to dry for 8 hours and apply two coats of **FIXAQUA TRANS**.
-Application on **FIXAQUA FILM**: we can improve the resistance to UV rays on roofs by applying one coat of **FIXAQUA TRANS**.

COMMENTS TO TAKE INTO ACCOUNT
-If it rains before the product dries, the impact of the raindrops will leave closed craters on the surface. We must apply another regularising coat.
-Clean the tools with **FIXAQUA SOLVENT** before hardening.

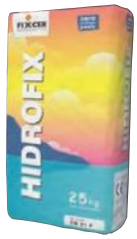
TECHNICAL DATA

Type of polyurethane	with synthetic resins
Flammability	yes
Temperature of application and no imminent rain	from +5ºC to +35ºC
Drying time between coats	16 hours (+20ºC; 50%RH)
Can be walked on after	24 hours (+20ºC; 50%RH)
Tension force	5 N/mm^2
Elongation at break	≥ 250%
Water vapour permeability	≥ 6 g/m^2 ·day
Waterproofing without penetration of	water column 1 m
Initial adhesion	≥ 2.0 N/mm^2
Shore A hardness	60
Range of working temperatures	from -30ºC to +90ºC
Consumption	0.4 kg/m^2 per coat
Estimated expiration	12 months
Presentation	5 kg

HIDROFIX

CM O1P according to EN14.891

Single-component cementitious mortar. Specially for swimming pools. Flexible and 100% watertight. Protects and waterproofs all types of masonry, concrete or rendered mortar surfaces.



White Grey

MAIN FEATURES

-Withstands positive pressure up to 3 bar and negative pressure up to 1.5 bar.
-Bridges cracks up to 0.75 mm at -5°C.
-Suitable with or without fibreglass mesh.
-Great adhesion to the support.
-No retraction.
-High adhesion to the substrate.
-Resistance to the effects of saline and some acidic water and atmospheric pollution due to CO_2 or SO_2.
-Allows for a ceramic finish.

FIELDS OF APPLICATION

-Waterproofing of swimming pools, ponds, tanks, basements, tunnels, canals, ditches.
-Protection of external walls of buildings.
-Retaining walls with geotextile sheet protection.
-Lift boxes. It is waterproof even under hydrostatic pressure (e.g. low water table).
-Suitable with or without fibreglass mesh.
-The single-component format allows easy adjustment of the mixing water to weather conditions during the application process.

HOW TO USE

SUPPORT PREPARATION

-The substrates must be resistant, solid, clean of dust, paint, waxes, release agents, oils and grease and be perfectly set.
-Previously to the application of **HIDROFIX**, apply the **BANDA IMPERMEABLE 120/70** or **FIX-BANDA** or **FIX-BANDA DRAIN** to all corners, corners and drains in order to achieve total protection of these critical points.
-Wet the surface with water until it is saturated, removing excess water.

PRODUCT PREPARATION

-Mix 6.0 litres of water with 25 kg. Mix at low speed to avoid inclusion of air. The resulting mixture should be completely homogeneous.

PRODUCT APPLICATION

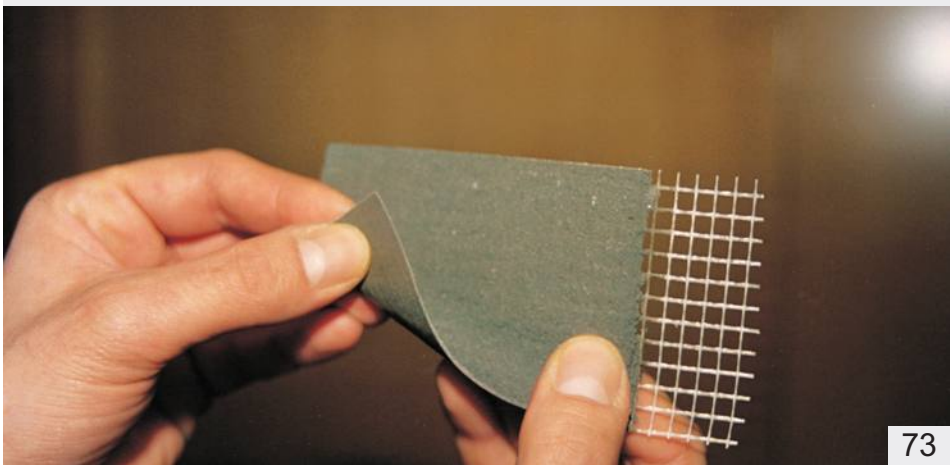
-Apply a 1st coat of **HIDROFIX** with a brush or fine trowel or pneumatic spraying system. This layer should not be more than 2 mm thick. We recommend applying on top of this 1st coat, the **NET-HIDRO-80**, a 5 x 5 mm light fibreglass mesh while this 1st coat is still fresh. This mesh significantly improves the tensile strength of the waterproofing.
-Allow the 1st layer to dry for approx. 4 hours.
-Apply a 2nd layer of **HIDROFIX** perpendicular to the 1st layer.

COMMENTS TO TAKE INTO ACCOUNT

-Apply at least 2 coats of 1 mm in swimming pools or tanks that must contain water at positive pressure up to a maximum of 3 bar and/or at negative pressure up to 1.5 bar. More coats mean more protection (always apply coats with a maximum thickness of 1 mm), therefore for higher pressures, increase the number of coats.
-After 24 - 36 hours (+20ºC) from the application of **HIDROFIX**, glue the tiles with **FIXSET GEL** or **TECNOCOL GEL** cementitious adhesive.

TECHNICAL DATA

Density	1.2 g/cm³
Proportion of mix	6.0 L / 25 kg sack
Density of the mixture	1.7 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	1 hour
Drying time between coats	4 - 5 hours
Waiting time for tiling	24 - 36 hours (+20ºC;50%RH)
Initial adhesion	≥ 0.5 N/mm²
Adhesion after immersion in water	≥ 0.5 N/mm²
Adhesion after heating	≥ 0.5 N/mm²
Impermeability	100% (1.5 bar / 7 days)
Resistance to cracking	≥ 0.75 mm (-5ºC)
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm²
Adhesion after immersion in chlorinated water	≥ 0.5 N/mm²
Consumption (2 coats de 1 mm/coat)	2.5 kg/m²
Estimated expiration	12 months
Presentation	25 kg



IMPERTOT

CM O1P according to EN14.891

100% watertight, super-flexible, bi-component cementitious mortar. Specifically for swimming pools.

Grey

MAIN FEATURES

-Super-flexible waterproofing for swimming pools.
-Withstands positive pressure up to 3 bar and negative pressure up to 1.5 bar.
-Bridges cracks up to 0.75 mm at -5ºC.
-No fibre glass mesh required.
-The most economical bi-component product.
-Applicable by brush, fine trowel, roller or airless sprayer.
-Resistance to the effects of saline and some acidic water, as well as atmospheric pollution due to CO_2 or SO_2.
-Allows a ceramic finish.

FIELDS OF APPLICATION

-SUPER-FLEXIBLE waterproofing of swimming pools, ponds, tanks, canals, swimming pool decks, ceramic shower trays, balconies, terraces, exterior roofs.
-Precast or/and concrete blocks.
-Earth retaining walls on the outside, subsequently protected with a geotextile sheet.
-Waterproofing of bathrooms, changing rooms and balconies, for the subsequent installation of ceramic tiles using **TECNOCOL GEL** or **FIXSET GEL** depending on the type of tile to be bonded.

HOW TO USE

SUPPORT PREPARATION

-The substrates must be resistant, solid, clean of dust, paint, waxes, release agents, oils and grease and be perfectly set.
-Previously to the application of **IMPERTOT**, apply the **BANDA IMPERMEABLE 120/70** or **FIX-BANDA** or **FIX-BANDA DRAIN** on all corners, vertices and drains in order to achieve total protection of these critical points.
-Wet the surface with water until it is saturated, removing excess water.

PRODUCT PREPARATION

-Pre-dosed product. Mix the powder with the liquid using a mixer without adding extra water. By airless you can add 1 litre of extra water per each 32 kg.

PRODUCT APPLICATION

-Apply a 1st coat of **IMPERTOT** with a brush or fine trowel or pneumatic spraying system. This layer should not be more than 2 mm thick. We recommend applying on top of this 1st coat, the **NET-HIDRO-80**, a 5 x 5 mm light fibreglass mesh while this 1st coat is still fresh. This mesh significantly improves the tensile strength of the waterproofing.
-Allow the 1st layer to dry for approx. 4 hours.
-Apply a 2nd layer of **IMPERTOT** perpendicular to the 1st layer.

COMMENTS TO TAKE INTO ACCOUNT

-Apply at least 2 coats of 1 mm in swimming pools or tanks that must contain water at positive pressure up to a maximum of 3 bar and/or at negative pressure up to 1.5 bar. More coats mean more protection (always apply coats with a maximum thickness of 1 mm), therefore for higher pressures, increase the number of coats.
-After 24 - 36 hours (+20ºC) from the application of **IMPERTOT**, glue the tiles with **FIXSET GEL** or **TECNOCOL GEL** cementitious adhesive.

TECHNICAL DATA

Density	1.3 g/cm³
Proportion of mix	pre-dosed
Density of the mixture	1.6 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	2 hours
Drying time between coats	4 - 5 hours
Waiting time for tiling	24 - 36 hours (+20ºC;50%RH)
Initial adhesion	≥ 0.5 N/mm²
Adhesion after immersion in water	≥ 0.5 N/mm²
Adhesion after heating	≥ 0.5 N/mm²
Impermeability	100% (1.5 bar / 7 days)
Resistance to cracking	≥ 0.75 mm (-5ºC)
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm²
Adhesion after immersion in chlorinated water	≥ 0.5 N/mm²
Consumption (2 coats de 1 mm/coat)	2.5 kg/m²
Estimated expiration	18 months
Presentation	32 kg

HIDROELASTIC

CM O2P according to EN14.891

Mortar for WATERPROOFING. SUPER-ELASTIC. TOTALLY WATERTIGHT. Specifically for swimming pools. Waterproofs all types of building surfaces, whether or not they are subject to deformation.

Grey

MAIN FEATURES

-Super-ELASTIC waterproofing for swimming pools.
-Withstands positive pressure up to 3 bar.
-Bridges cracks up to 1.25 mm at -20ºC.
-Excellent workability with a brush, fine trowel, roller or even an airless sprayer.
-Resistance to the effects of saline and some acidic water, as well as atmospheric pollution due to CO_2 or SO_2.
-Total adhesion to the surface without shrinking.
-Always for ceramic finish.

FIELDS OF APPLICATION

-ELASTIC waterproofing of swimming pools, ponds, tanks, canals, etc. with ceramic finish.
-ELASTIC waterproofing of swimming pool decks with total safety, for subsequent laying of ceramic tiles.
-Waterproofing of ceramic shower trays with maximum elasticity, balconies, terraces, exterior roofs,... for the subsequent laying of ceramic tiles.
-For bonding ceramics use **TECNOCOL GEL**.

HOW TO USE

SUPPORT PREPARATION

-The substrates must be resistant, solid, clean of dust, paint, waxes, release agents, oils and grease and be perfectly set.
-Previously to the application of **HIDROELASTIC**, apply the **BANDA IMPERMEABLE 120/70** or **FIX-BANDA** or **FIX-BANDA DRAIN** on all corners, vertices and drains in order to achieve total protection of these critical points.
-Wet the surface with water until it is saturated, removing excess water.

PRODUCT PREPARATION

-Pre-dosed product. Mix the powder with the liquid using a mixer without adding extra water. By airless you can add 1 litre of extra water per each 30 kg.

PRODUCT APPLICATION

-Apply a 1st coat of **HIDROELASTIC** with a brush or fine trowel or pneumatic spraying system. This layer should not be more than 2 mm thick. If desired, **NET-ELASTIC-65** can be applied on top of this first coat while the first coat is still fresh. This mesh significantly improves the tensile strength of the waterproofing.
-Allow the 1st layer to dry for approx. 4 hours.
-Apply a 2nd layer of **HIDROELASTIC** perpendicular to the 1st layer.

COMMENTS TO TAKE INTO ACCOUNT

-At counter-pressure use **HIDROFIX**.
-Apply at least 2 layers of 1 mm of **HIDROELASTIC** in swimming pools or tanks that must contain water at positive pressure (up to 3 bar) and/or negative pressure (up to 1.5 bar). More layers mean more protection. For higher pressures, increase the number of coats.
-After 24 - 36 hours (+20ºC) from the application of **HIDROELASTIC**, proceed to bond the ceramic pieces with **TECNOCOL GEL** cementitious adhesive.

TECHNICAL DATA

Density	1.3 g/cm³
Proportion of mix	pre-dosed
Density of the mixture	1.5 g/cm³
Temperature of application	from +5ºC to +35ºC
Pot life	2 hours
Drying time between coats	4 - 5 hours
Waiting time for tiling	24 - 36 hours (+20ºC;50%RH)
Initial adhesion	≥ 0.5 N/mm²
Adhesion after immersion in water	≥ 0.5 N/mm²
Adhesion after heating	≥ 0.5 N/mm²
Impermeability	100% (1.5 bar / 7 days)
Resistance to cracking	≥ 0.75 mm (-20ºC)
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm²
Adhesion after immersion in chlorinated water	≥ 0.5 N/mm²
Consumption (2 coats de 1 mm/coat)	2.5 kg/m²
Estimated expiration	18 months
Presentation	5 kg, 20 kg and 30 kg

LAMINA PROOF

Complies with UNE-EN13.956

A WATERPROOF and FLEXIBLE film for waterproofing terraces, changing rooms, shower trays, concrete swimming pools. It allows ceramic or glass mosaic tiles to be laid directly on the sheet.

BANDA-SOLAPES

BANDA-ESQUINAS

MAIN FEATURES

-Three-layer film composed of two layers of polypropylene and a layer of polyethylene with a special textile that allows the ceramic tile to be laid with cementitious adhesive without any intermediate layer.
-Film certified and homologated for load classes A1, A2 and C and for the load classes specified in the ZDB data sheets.
-Film resistant to alkalis, salt water, acids and microorganisms.
-Maximum safety and guaranteed waterproofing.

FIELDS OF APPLICATION

-Applicable on balconies, terraces, changing rooms, bathrooms, roof terraces, public squares, cementitious surfaces with cracks or fissures and concrete swimming pools in attics for waterproofing and subsequent ceramic finishing.
-Used in conjunction with **LAMINA STEEL**: the ideal and very economical solution for lining galvanised steel or polypropylene swimming pools with a ceramic or glass mosaic finish. This is the best aesthetic solution for this type of swimming pool, replacing the traditional PVC liner.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting bond.
-On cementitious surfaces: remove any remains of deteriorated, disjointed, unsound concrete, traces of dust, paints, waxes, release agents,...
-On plasterboard: prime previously with **HIDROPRIMER** and leave to dry for 1 - 2 hours before laying the **LAMINA PROOF**.

PRODUCT PREPARATION

-**LAMINA PROOF** is a ready-to-use product.

PRODUCT APPLICATION

-Apply cementitious adhesive type C2S1 on the substrate with a 4 x 4 mm notched trowel; apply the **LAMINA PROOF**; press with the smooth side of the trowel to eliminate the occluded air. Then apply the following **LAMINA PROOF**:
  -on terraces overlapping at least 5 cm with the previous one, or
  -in swimming pools "head to head", i.e. without overlapping them.
Application of the **BANDA-SOLAPES**:
  -on terraces: it is not necessary to apply the **BANDA-SOLAPES**.
  -in swimming pools: apply the **BANDA-SOLAPES** bonded with **EPOXICOL** on all joints between the **LAMINA PROOF** and **LAMINA PROOF** and on all corners.

COMMENTS TO TAKE INTO ACCOUNT

-Fix the ceramic coverings both on the walls and on the pavement directly on the **LAMINAS** with **TECNOCOL GEL** cementitious adhesive.
-Place the **BANDA-ESQUINAS** in all the 90º angles of the swimming pool or terrace.
-Place the **COLLAR-PARA-TUBOS** on all copper pipes from 12 to 22 mm.
-Grout with **EUROCOLOR FLEX** or **IDEAL COLOR** on terraces and grout with **IDEAL POOL** or **CERPOXI** or **PROFESSIONAL PX** on swimming pools.

TECHNICAL DATA

Thickness	0.62 mm
Impermeability	100% (B version)
Breaking pressure	≥ 3 bar
Resistance to longitudinal traction	L = 375 N / 50 mm
Resistance to transverse traction	T = 250 N / 50 mm
Elongation at break longitudinal	L = 90%
Elongation at break transverse	T = 120%
Resistance to longitudinal tearing	L = 100 N
Resistance to transverse tearing	T = 120 N
Temperature resistance	from -30ºC to +90ºC
Open time adhesion	fire resistant
Consumption proportional to the area	1 m^2 / 1 m^2 + overloaps
Estimated expiration	unlimited
Presentation	rolls of 1 x 30 m
	BANDA SOLAPES
Consumption	consult technical dept.
Presentation	rolls of 0.14 x 50 m
	BANDA ESQUINAS
Presentation	12 x 12 x 12 cm

LAMINA PROOF PREMIUM

Complies with UNE-EN13.956

DUCTILE, WATERPROOF and SUPER-FLEXIBLE film for waterproofing terraces, changing rooms, shower trays, concrete swimming pools. Allows ceramic or mosaic tiles to be laid directly on the film.

BANDA-SOLAPES

BANDA-ESQUINAS

MAIN FEATURES

-It allows large deformations without breaking and thus avoids to a great extent air pockets during installation in very hot climates.
-The non-rigid film that adapts very easily to the most irregular shapes and surfaces.
-Tri-layer film consisting of two polyester layers and a super-flexible EVA-C layer.
-Film resistant to alkalis, salt water, acids and micro-organisms.
-Maximum safety and guaranteed waterproofing.

FIELDS OF APPLICATION

-Applicable on balconies, terraces, changing rooms, bathrooms, roof terraces, public squares, cementitious surfaces with cracks or fissures and concrete swimming pools in attics for waterproofing and subsequent ceramic finishing.
-Used in conjunction with **LAMINA STEEL**: ideal and very economical solution for lining galvanised steel or polypropylene swimming pools with a ceramic or glass mosaic finish. It is the best aesthetic solution for this type of swimming pools, replacing the traditional PVC liner.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting bond.
-On cementitious surfaces: remove any remains of deteriorated, disjointed, unsound concrete, traces of dust, paints, waxes, release agents,...
-On plasterboard: prime previously with **HIDROPRIMER** and leave to dry for 1 - 2 hours before laying the **LAMINA PROOF PREMIUM**.

PRODUCT PREPARATION

-**LAMINA PROOF PREMIUM** is a ready-to-use product.

PRODUCT APPLICATION

-Apply cementitious adhesive type C2S1 on the substrate with a 4 x 4 mm notched trowel; apply the **LAMINA PROOF PREMIUM**; press with the smooth side of the trowel to eliminate the occluded air. Then apply the following **LAMINA PROOF PREMIUM**:
  -on terraces overlapping at least 5 cm with the previous one, or
  -in swimming pools "head to head", i.e. without overlapping them.

Application of the **BANDA-SOLAPES**:
  -on terraces: it is not necessary to apply the **BANDA-SOLAPES**.
  -in swimming pools: apply the **BANDA-SOLAPES** bonded with **EPOXICOL** on all joints between the **LAMINA PROOF PREMIUM** and **LAMINA PROOF PREMIUM** and on all corners.

COMMENTS TO TAKE INTO ACCOUNT

-Fix the ceramic coverings both on the walls and on the pavement directly on the **LAMINAS** with **TECNOCOL GEL** cementitious adhesive.
-Place the **BANDA-ESQUINAS** in all the 90º angles of the swimming pool or terrace.
-Place the **COLLAR-PARA-TUBOS** on all copper pipes from 12 to 22 mm.
-Grout with **EUROCOLOR FLEX** or **IDEAL COLOR** on terraces and grout with **IDEAL POOL** or **CERPOXI** or **PROFESSIONAL PX** on swimming pools.

TECHNICAL DATA

Thickness	0.75 mm
Impermeability	100% (B version)
Breaking pressure	≥ 3 bar
Resistance to longitudinal traction	L = 530 N / 50 mm
Resistance to transverse traction	T = 350 N / 50 mm
Elongation at break longitudinal	L > 25%
Elongation at break transverse	T > 200%
Resistance to longitudinal tearing	L ≥ 135 N
Resistance to transverse tearing	T ≥ 170 N
Temperature resistance	from -40ºC to +90ºC
Open time adhesion	fire resistant
Consumption proportional to the area	1 m^2 / 1 m^2 + overlaps
Estimated expiration	unlimited
Presentation	rolls of 1 x 30 m
	BANDA SOLAPES
Consumption	consult technical dept.
Presentation	rolls of 0.14 x 50 m
	BANDA ESQUINAS
Presentation	12 x 12 x 12 cm

LAMINA STEEL

Complies with UNE-EN13.956

SELF-ADHESIVE, flexible and waterproof sheet for galvanised steel, stainless steel and polypropylene swimming pools for the subsequent bonding of ceramic or glass mosaic tiles.

BANDA-SOLAPES

BANDA-ESQUINAS

MAIN FEATURES

-Self-adhesive three-layer sheet formed by two layers of polyethylene, plus a layer of synthetic rubber and a layer of polypropylene that allows the ceramic tiles to be laid with cementitious adhesive.
-Approved for load classes A1, A2 and C, tested according to: DIN500143-23/50-2, DIN16726, DIN EN ISO527, DIN13484 and DIN EN1931.
-Resistant sheet to alkalis, salt water, acids and microorganisms.
-Maximum safety and guaranteed waterproofing.

FIELDS OF APPLICATION

-Self-adhesive sheet for non-absorbent surfaces, for subsequent bonding of ceramics on top using cementitious adhesive type C2 S1.
-Ideal for waterproofing metallic and plastic surfaces.
-Used in conjunction with **LAMINA PROOF**: the ideal and very economical solution for lining galvanised steel or polypropylene swimming pools with a ceramic or glass mosaic finish.
-This is the best aesthetic solution for this type of swimming pool, replacing the traditional PVC liner.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting hold.
-On **metal surfaces**: clean all surfaces with clear acetone. It is essential to remove any organic, oily or greasy residues.
-On **cementitious surfaces**: remove all traces of deteriorated, disjointed, unsound concrete, traces of dust, paint, wax, release agents...

PRODUCT PREPARATION

-**LAMINA STEEL** is a ready-to-use product.

PRODUCT APPLICATION

-Spray a little distilled water on the galvanised plates; immediately place the **LAMINA STEEL** by pressing hard and eliminating the air bubbles with a rubber ruler. Then apply the next **LAMINA STEEL** without overlapping it with the previous one "head to head", i.e. without overlapping them.
-Then apply the **BANDA-SOLAPES** bonded with **EPOXICOL** between **LAMINA STEEL** and **LAMINA STEEL** and in all the corners.

COMMENTS TO TAKE INTO ACCOUNT

-Fix the ceramic coverings both on the walls and on the pavement directly on the **LAMINAS** with **TECNOCOL GEL** cementitious adhesive.
-Place the **BANDA-ESQUINAS** in all the 90º angles of the swimming pool or terrace.
-Place the **COLLAR-PARA-TUBOS** on all copper pipes from 12 to 22 mm.
-Grout with **EUROCOLOR FLEX** or **IDEAL COLOR** on terraces and grout with **IDEAL POOL** or **CERPOXI** or **PROFESSIONAL PX** on swimming pools.

TECHNICAL DATA

Thickness	0.95 mm
Impermeability	100% (B version)
Breaking pressure	≥ 2.3 bar
Resistance to longitudinal traction	L = 58.6 N / 15 mm
Resistance to transverse traction	T = 32.2 N / 15 mm
Elongation at break longitudinal	L > 107%
Elongation at break transverse	T > 316%
Resistance to 25% lateral elasticity	24.6 N /mm
Resistance to 50% lateral elasticity	27.5 N /mm
Resistance to temperature	from -5ºC to +60ºC
Consumption proportional to the area	1 m^2 / 1 m^2 + overlaps
Estimated expiration	unlimited
Presentation	rolls de 1 x 20 m
	BANDA SOLAPES
Consumption	consult technical dept.
Presentation	rolls de 0.14 x 50 m
	BANDA ESQUINAS
Presentation	12 x 12 x 12 cm

ELASTICER

R2 T according to EN12.004

Tri-component reactive resin-based adhesive for waterproof and elastic bonding of ceramic tiles on a wide range of substrates.

White

MAIN FEATURES
-Extraordinary elasticity.
-Totally waterproof (100%).
-Excellent adhesion to most substrates: ceramic, concrete, iron, paint (in good condition), PVC, mortar, wood, metals...
-High mechanical strength in a very short time.
-Highly resistant to ageing.
-Total anti-sagging.
-Pre-dosed product.

FIELD OF APPLICATION
-Fix non-absorbent ceramics on:
  -non-absorbent substrates: metal, glass, PVC.
  -supports subject to high vibrations.
  -on any type of wood.
  -on old ceramics whether absorbent or not.
  -on bonded PVC, after application of **PRIMER FOR ELASTICER**.
-Bonding large natural stones: marble, granite, slate, on mortar, **RECRECEM PRE-MIX**, **FIX-REVOCO, FIX-NIVEL**.
-Suitable for horizontal and vertical, indoors and outdoors.

HOW TO USE

SUPPORT PREPARATION
-Clean the substrate perfectly. It must be clean, resistant, solid, free of dust, waxes, oils, grease, oxides, old paint, ... Mortar substrates must be perfectly set.
-Only in the case of having to apply on PVC, we will previously apply the **PRIMER FOR ELASTICER** (consult us).

PRODUCT PREPARATION
-The ideal temperature is +20°C. If the liquids are cold and viscous, immerse the bottles in hot water (not boiling) until they become fluid.
-Pre-dosed product. Do not alter the proportions. A set consists of: 1 large bottle +1 small bottle + 1 bag of powder. Empty the contents of the two bottles into the bucket. Then pour all the powder from the bag. Mix the mix with a spiral mixer at high speed for 2 - 3 minutes.

PRODUCT APPLICATION
-Use a notched trowel according to the size of the piece to be laid and the planimetry of the substrate. Comb the adhesive parallel to the short side of the piece to facilitate air release. Place the piece and apply a back and forth movement to settle it in place.
-When a waterproof layer is required (wood, showers) spread **ELASTICER** with a smooth trowel to a thickness of 0.5 mm; leave to dry for 24 hours.

COMMENTS TO TAKE INTO ACCOUNT
-In difficult applications, outdoors or bonding of pieces larger than 30x30cm, use the double gluing technique. On floors subject to vibrations, leave wide joints of at least 5 mm. The pieces to be laid must be dry.
-Apply pressure on the tile to ensure a correct grip. Press the tiles with a rubber mallet. Protect the newly laid paving from excessive heat, frost, rain, ... for 24 hours after laying.

TECHNICAL DATA

Density of the mixture	1.5 g/cm^3
Toxicity	contains reactive resins
Temperature of application	from +10ºC to +30ºC
Pot life	60 minutes (+20ºC;50%RH)
Adjustment time	60 minutes (+20ºC;50%RH)
Can be walked on after	12 hours (+20ºC;50%RH) 48 hours (+10ºC;50%RH) infinite (+0ºC;50%RH)
Final hardening	7 days (+20ºC;50%RH)
Initial shear adhesion	≥ 2.0 N/mm^2
Shear adhesion after water immersion	≥ 2.0 N/mm^2
Shear adhesion after thermal shock	≥ 2.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 a 20 min
Slip	< 0.5 mm
Range of working temperatures	from -40ºC to +100ºC
Consumption	1.9 kg/m^2·mm thickness
Estimated expiration	30 months
Presentation	2 kg, 5 kg and 20 kg

ELASTICER FLUID

R2 according to EN12.004

HIGHLY FLUID adhesive based on tri-component reactive resins for waterproof and elastic bonding of ceramic tiles on a wide type of substrates.

White

MAIN FEATURES
-SUPER-fluid and self-levelling.
-Applicable to pavements.
-Extraordinary elasticity.
-Totally waterproof (100%).
-Excellent adhesion to most substrates: ceramic, concrete, iron, paint (in good condition), PVC, mortar, wood, metals...
-High mechanical strength in a very short time.
-Highly resistant to ageing.
-Pre-dosed product.

FIELD OF APPLICATION
-Fix non-absorbent ceramics on:
  -non-absorbent substrates: metal, glass, PVC.
  -supports subject to high vibrations.
  -on any type of wood.
  -on old ceramics whether absorbent or not.
  -on bonded PVC, after application of **PRIMER FOR ELASTICER**.
-Bonding large natural stones: marble, granite, slate, on mortar, **RECRECEM PRE-MIX**, **FIX-REVOCO, FIX-NIVEL**.
-Suitable for horizontal, indoors and outdoors.

HOW TO USE

SUPPORT PREPARATION
-Clean the substrate perfectly. It must be clean, resistant, solid, free of dust, waxes, oils, grease, oxides, old paint, ... Mortar substrates must be perfectly set.
-Only in the case of having to apply on PVC, we will previously apply the **PRIMER FOR ELASTICER** (consult us).

PRODUCT PREPARATION
-The ideal temperature is +20°C. If the liquids are cold and viscous, immerse the bottles in hot water (not boiling) until they become fluid.
-Pre-dosed product. Do not alter the proportions. A set consists of: 1 large bottle +1 small bottle + 1 bag of powder. Empty the contents of the two bottles into the bucket. Then pour all the powder from the bag. Mix the mix with a spiral mixer at high speed for 2 - 3 minutes.

PRODUCT APPLICATION
-Use a notched trowel according to the size of the piece to be laid and the planimetry of the substrate. Comb the adhesive parallel to the short side of the piece to facilitate air release. Place the piece and apply a back and forth movement to settle it in place.
-When a waterproof layer is required (wood, showers) spread **ELASTICER FLUID** with a smooth trowel to a thickness of 0.5 mm; leave to dry for 24 hours.

COMMENTS TO TAKE INTO ACCOUNT
-In difficult applications, outdoors or bonding of pieces larger than 30x30cm, use the double gluing technique. On floors subject to vibrations, leave wide joints of at least 5 mm. The pieces to be laid must be dry.
-Apply pressure on the tile to ensure a correct grip. Press the tiles with a rubber mallet. Protect the newly laid paving from excessive heat, frost, rain, ... for 24 hours after laying.

TECHNICAL DATA

Density of the mixture	1.5 g/cm^3
Toxicity	contains reactive resins
Temperature of application	from +10ºC to +30ºC
Pot life	60 minutes (+20ºC;50%RH)
Adjustment time	60 minutes (+20ºC;50%RH)
Can be walked on after	12 hours (+20ºC;50%RH) 48 hours (+10ºC;50%RH) infinite (+0ºC;50%RH)
Final hardening	7 days (+20ºC;50%RH)
Initial shear adhesion	≥ 2.0 N/mm^2
Shear adhesion after water immersion	≥ 2.0 N/mm^2
Shear adhesion after thermal shock	≥ 2.0 N/mm^2
Open time adhesion	≥ 0.5 N/mm^2 a 20 min
Range of working temperatures	from -40ºC to +100ºC
Consumption	1.9 kg/m^2·mm thickness
Estimated expiration	30 months
Presentation	5 kg, 10 kg and 20 kg

ELASTICER CAPA GRUESA

R2 T according to EN12.004

THICK LAYER adhesive based on tricomponent reactive resins for waterproof and elastic bonding of ceramic tiles on a wide range of substrates.

White

MAIN FEATURES
-Any THICKNESS of adhesive is acceptable.
-Extraordinary elasticity.
-Totally waterproof (100%).
-Excellent adhesion to most substrates: ceramic, concrete, iron, paint (in good condition), PVC, mortar, wood, metals...
-High mechanical strength in a very short time.
-Highly resistant to ageing.
-Total anti-sagging.
-Pre-dosed product.

FIELD OF APPLICATION
-Fix non-absorbent ceramics on:
-non-absorbent substrates: metal, glass, PVC.
-supports subject to high vibrations.
-on any type of wood.
-on old ceramics whether absorbent or not.
-on bonded PVC, after application of **PRIMER FOR ELASTICER**.
-Bonding large natural stones: marble, granite, slate, on mortar, **RECRECEM PRE-MIX**, **FIX-REVOCO**, **FIX-NIVEL**.
-Suitable for horizontal and vertical, indoors and outdoors.

HOW TO USE

SUPPORT PREPARATION
-Clean the substrate perfectly. It must be clean, resistant, solid, free of dust, waxes, oils, grease, oxides, old paint, ... Mortar substrates must be perfectly set.
-Only in the case of having to apply on PVC, we will previously apply the **PRIMER FOR ELASTICER** (consult us).

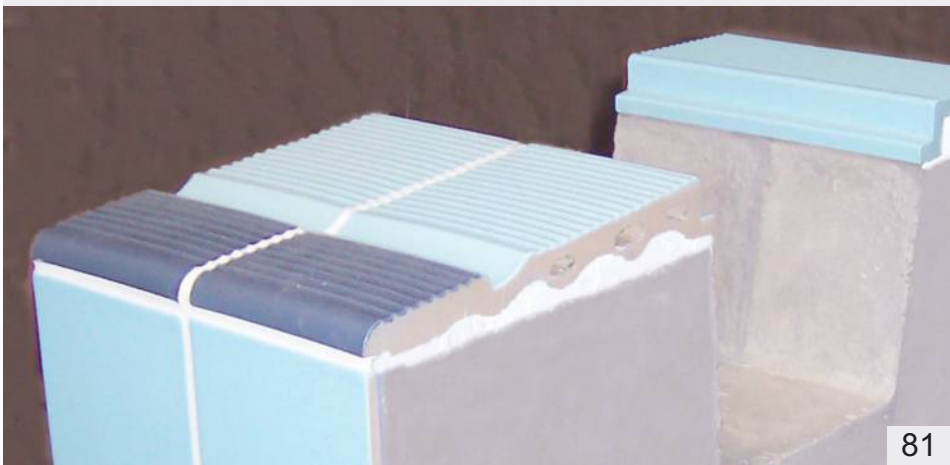
PRODUCT PREPARATION
-The ideal temperature is +20°C. If the liquids are cold and viscous, immerse the bottles in hot water (not boiling) until they become fluid.
-Pre-dosed product. Do not alter the proportions. A set consists of: 1 large bottle +1 small bottle + 1 bag of powder. Empty the contents of the two bottles into the bucket. Then pour all the powder from the bag. Mix the mix with a spiral mixer at high speed for 2 - 3 minutes.

PRODUCT APPLICATION
-Use a notched trowel according to the size of the piece to be laid and the planimetry of the substrate. Comb the adhesive parallel to the short side of the piece to facilitate air release. Place the piece and apply a back and forth movement to settle it in place.
-When a waterproof layer is required (wood, showers) spread **ELASTICER CAPA GRUESA** with a smooth trowel to a thickness of 0.5 mm; leave to dry for 24 hours.

COMMENTS TO TAKE INTO ACCOUNT
-In difficult applications, outdoors or bonding of pieces larger than 30x30cm, use the double gluing technique. On floors subject to vibrations, leave wide joints of at least 5 mm. The pieces to be laid must be dry.
-Apply pressure on the tile to ensure a correct grip. Press the tiles with a rubber mallet. Protect the newly laid paving from excessive heat, frost, rain, ... for 24 hours after laying.

TECHNICAL DATA

Density of the mixture	1.57 g/cm³
Toxicity	contains reactive resins
Temperature of application	from +10ºC to +30ºC
Pot life	60 minutes (+20ºC;50%RH)
Adjustment time	60 minutes (+20ºC;50%RH)
Can be walked on after	12 hours (+20ºC;50%RH) 48 hours (+10ºC;50%RH) infinite (+0ºC;50%RH)
Final hardening	7 days (+20ºC;50%RH)
Initial shear adhesion	≥ 2.0 N/mm²
Shear adhesion after water immersion	≥ 2.0 N/mm²
Shear adhesion after thermal shock	≥ 2.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² a 20 min
Slip	< 0.5 mm
Range of working temperatures	from -40ºC to +100ºC
Consumption	1.9 kg/m²·mm thickness
Estimated expiration	30 months
Consumption	5 kg and 20 kg



MASTIC MS

F-EXT-INT-CC according to EN15.651-1

EXCELLENT ADHESIVE for elastic and multi-purpose BONDING and sealing between absorbent and non-absorbent elements.

Transparent

MAIN FEATURES

-Latest generation elastomer, polymeric based with Modified Silicone that dries with atmospheric humidity.
-Excellent adhesion to any surface.
-Excellent permanent elasticity.
-Wide operating temperature range.
-Skin formation after 10 minutes!!
-High drying speed.
-No sagging.
-Easy to apply.

FIELD OF APPLICATION

-Bonding of washbasins, mirrors in bathrooms, electrical appliances in kitchens, sanitary ware, insulating materials such as rock wool or polystyrene, skirting boards, lintels, bonding of panels in ventilated façades.
-Sealing of safety glass, bodywork joints, filling of cracks even with movement, sealing of glass, porcelain, aluminium, polyester, fine woods.
-Can be apply indoors and outdoors, in horizontal and vertical.

HOW TO USE

SUPPORT PREPARATION

-The surfaces must be resistant, solid, clean of dust, paint, waxes...
-**MASTIC MS** can be applied on NON-absorbent surfaces without primer (aluminium, glass...), and on absorbent surfaces after priming with **IMPRIMACIÓN SELLADOR S10** (on concrete and mortar). Apply with a brush; allow to dry for a minimum of 1 hour and a maximum of 4 hours.

PRODUCT PREPARATION

-**MASTIC MS** is a ready-to-use product.
-Cut the cannula using scissors, and insert the cartridge in the specific gun for this type of packaging, e.g. **PISTOLA ANTIGOTA**.

PRODUCT APPLICATION

-Use in ventilated façades for the gluing of the panels: three basic points are recommended; 1º-apply a 3 mm thick double-sided adhesive tape. This tape will help the adhesion of the **MASTIC MS** during the first 24 hours of drying; 2º-apply the **MASTIC MS** in vertical stripes at a distance of 30 centimetres maximum between them; 3º-ensure that the thickness of the **MASTIC MS** is enough and press hard.

COMMENTS TO TAKE INTO ACCOUNT

-If the joint is very wide, apply the filler in three successive passes: the first two near the sides of the joint and the third pass in the centre.
-It can be smoothed with a suitable tool and a little soapy water or alcohol.
-It is always very useful to use masking tape to ensure a perfect joint finish. The masking tape is removed when the mastic is still fresh.

TECHNICAL DATA

Density	1.02 g/cm^3
Toxicity	no
Temperature of application	from +5ºC to +40ºC
Skin formation time	12 - 20 min (+23ºC;55%RH)
Polymerisation speed	2 mm / 24 hrs (+23ºC;55%RH)
Shrinkage	0%
Resistance to traction	2.0 N/mm^2
Shore A hardness	35 ± 5
Elasticity module	0.6 N/mm^2
Elongation at break	> 350%
Movement capacity	25%
Range of working temperatures	from -30ºC to +80ºC
UV resistance	slight yellowing
Chemical resistance	consult technical dept.
Paintable	yes
Consumption (joint of 10 x 10 mm depth)	1 unit / 2.9 m
Consumption (joint of 8 x 10 mm depth)	1 unit / 3.6 m
Estimated expiration	12 months
Presentation	cartridge of 290 cm^3

FIXADUR

R2 T according to EN12.004

Polyurethane adhesive with EXTRAORDINARY adhesion for laying ceramic tiles and glass mosaic on the most difficult surfaces.

White

MAIN FEATURES

-Latest generation tri-component waterproof adhesive formulated to provide maximum stresses in any installation.
-Completely waterproof (100%).
-Excellent adhesion to most substrates: ceramic, concrete, iron, paint (in good condition), PVC, mortar, wood, metals, polyureas.
-Maximum mechanical strength in a very short time.
-Extraordinary flexibility.
-Highly resistant to ageing.

FIELD OF APPLICATION

-The adhesive for the most difficult surfaces: non-absorbent substrates such as linoleum, PVC, polyester, EPDM, steel, old ceramics, cold or hot polyurea.
-Also ideal for bonding on difficult surfaces such as plasterboard, fibre cement, cured wood, chipboard, glass and others.
-It is the ideal adhesive for bonding tiles made of: marble, granite, slate, stoneware, porcelain stoneware, vitreous mosaic and green marble, among others.
-Latest generation adhesive.

HOW TO USE

SUPPORT PREPARATION

-The substrate must have a minimum resistance of 1 N/mm² as the adhesion of **FIXADUR** will greatly exceed this threshold. The temperature must be at least +3ºC above the dew point (consult the Technical Department for more information).
-Check that the substrate is clean, resistant, solid, free of dust, waxes, oils, ... In general, the substrate temperature must be within the range: +10ºC - +30ºC.

PRODUCT PREPARATION

-The MANDATORY temperature range is between +10ºC and +30ºC.
-Pre-dosed product consisting of: 1 large bottle + 1 small bottle + 1 bag of powder. Mix the large bottle with the bag of powder. When the mixture is homogeneous, add the hardener component and shake with a spiral mixer at low rpm (max. 400 rpm) for 2 - 3 minutes. To extend the pot life of the mixture, distribute the contents into smaller containers.

PRODUCT APPLICATION

-Use a notched trowel according to the size of the piece to be laid and the planimetry of the substrate. Comb the adhesive parallel to the short side of the piece to facilitate air release. Place the piece and apply a back and forth movement to settle it in place.
-**FIXADUR** is fast: just spread adhesive on the area to be laid immediately afterwards.

COMMENTS TO TAKE INTO ACCOUNT

-In floors subject to vibrations, we recommend leaving wide joints of at least 5 mm.
-Protect the newly laid flooring from excessive heat, frost, rain, ... for at least 24 hours after laying.
-With **FIXADUR** we can also make a previous waterproof layer; use a flat trowel. In this case, allow the layer to dry for 24 hours before laying.

TECHNICAL DATA

Density of the mixture	1.4 g/cm³
Toxicity	contains reactive resins
Temperature of application	from +10ºC to +30ºC
Pot life	30 minutes (+20ºC;50%RH
Adjustment time	40 minutes (+20ºC;50%RH)
Can be walked on after	12 hours (+20ºC;50%RH) 48 hours (+10ºC;50%RH) 7 jours (+0ºC;50%RH)
Final hardening	7 days (+20ºC;50%RH)
Initial shear adhesion	≥ 2.0 N/mm²
Shear adhesion after water immersion	≥ 2.0 N/mm²
Shear adhesion after thermal shock	≥ 2.0 N/mm²
Open time adhesion	≥ 0.5 N/mm² a 20 min
Slip	< 0.5 mm
Range of working temperatures	from -20ºC to +80ºC
Consumption	1.5 kg/m²·mm thickness
Estimated expiration	24 months
Presentation	5.25 kg

PX UNDERWATER

Specific adhesive which polymerises with or without the continuous presence of water. For bonding and grouting individual pieces of glass mosaic under water.

White

MAIN FEATURES

-Very high mechanical resistance.
-High wear resistance.
-High adhesion in the most difficult situations.
-High resistance to UV rays.
-Very good chemical resistance.
-**PX UNDERWATER** is a specific adhesive that polymerises with or without the continuous presence of water.

FIELD OF APPLICATION

-Product for bonding glass mosaic or porcelain stoneware tiles inside swimming pools, whether or not they are filled with water.
-Allows the bonding of individual tiles, i.e. tiles that are surrounded by other pieces that will act as anchors for the new piece glued with **PX UNDERWATER**.
-2 in 1 product: with the excess material that protrudes through the joints, we will carry out the grouting.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the gap between parts is the only guarantee to ensure a very durable bond. Underwater application is by definition very complicated as the applicator will have to dive repeatedly to execute a correct cleaning of the gap between pieces.
-There must be NO residue of the old adhesive that held the fallen part.

PRODUCT PREPARATION

-Bi-component product: mix with a beater attached to an electric drill for 2 - 3 minutes intensively.
-The applicator must first put on disposable nitrile gloves.

PRODUCT APPLICATION

-Apply **PX UNDERWATER** on the back of the piece to be laid. Then they must be immersed in the swimming pool with the piece of mosaic and the **PX UNDERWATER** adhesive on the back of the piece; place the piece in the corresponding hole and press very hard in order for the adhesive to expel all the water from the hole and thus we will get the adhesive to come into contact with the mortar base of the swimming pool.

COMMENTS TO TAKE INTO ACCOUNT

-With the excess adhesive protruding from the joints, we will fill the joints between pieces.

TECHNICAL DATA

Type of adhesive	reaction
Temperature of application	from +20ºC to +35ºC
Pot life	60 min (+20ºC; 50%RH)
Drying under water after	72 - 96 hours (+20ºC)
Final hardening	7 days (+20ºC)
Range of working temperatures	from -10ºC to +50ºC
Consumption	10 - 20 g/piece of 25 x 25 mm
Estimated expiration	unlimited
Presentation	0.2 kg

GRESNET

Concentrated acid for cleaning ceramic materials, glazed decorative tiles, mosaics, stoneware, swimming pools, saltpetre and efflorescence. Applicable outdoors and INDOORS.

MAIN FEATURES

-**GRESNET** is a specially formulated acid cleaner with surfactants and corrosion inhibitors, suitable for all intensive cleaning jobs.
-Does not attack stainless steel, chrome, mirrors or lacquers.
-Suitable for use even indoors.

FIELDS OF APPLICATION

-Cleaning of ceramic tiles and mosaics of all types, in flooring, walls and façades, both INDOORS and exteriors.
-Removal of efflorescence in joints.
-Elimination of the remains of groutings, porland, **FIXCOLOR** or **EUROCOLOR FLEX**, etc.
-Cleaning of remains of cement, dust, lime, cementitious adhesive, joints.
-Cleaning of small rust stains.
-Cleaning of swimming pools without attacking the stainless steel of the stairs.

HOW TO USE

PRODUCT PREPARATION

-**GRESNET** can be applied pure or diluted in water according to the type of application, resistance of the dirt to be removed, and RESISTANCE of the TILES (make previous tests in a corner).

PRODUCT APPLICATION

-For example, to clean efflorescence from joints, dilute up to a ratio of 1:10 with tap water.
-Easily applied by brush, sponge or spray.
-Spread.
-Rub with a scouring pad or a nylon brush.
-Rinse with plenty of water and leave to dry.

COMMENTS TO TAKE INTO ACCOUNT

-When there is saltpetre on exposed brickwork, we recommend removing it using **GRESNET PLUS** with a sponge until it is removed.
-**GRESNET** should not be applied to marble, limestone or its derivatives.
-**GRESNET** should not be applied without using the basic precautions required for an acid product: use rubber gloves and protective goggles.

TECHNICAL DATA

Type of product	acid
Colour	pink
Density	1.2 g/cm^3
pH	1
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	no
Toxicity	very irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +80ºC
Proportion of mix	pure or diluted 1:10 with water
Consumption	0.05 L/m^2
Estimated expiration	36 months
Presentation	1 L, 5 L and 25 L

GRESNET PLUS

Highly concentrated acid especially for cleaning exposed brickwork and for removing stubborn cement residues and efflorescence on OUTDOORS.

MAIN FEATURES

-**GRESNET PLUS** is a VERY concentrated special acid, specially formulated for all intensive cleaning jobs

-**GRESNET PLUS** should only be applied outdoors with intense ventilation.

-**GRESNET PLUS** should not be used without the necessary precautions.

FIELDS OF APPLICATION

-Removal of efflorescence and saltpetre from terracotta, exposed brickwork and joints.

-Cleaning of ceramic tiles and mosaics of all types, in floorings, walls and façades, OUTDOORS.

-Cleaning of dirt on construction sites: cement residues, dust, lime and cementitious adhesive.

-Removal of the remains of joints: Griffi, Portland, **FIXCOLOR** or **EUROCOLOR FLEX** etc.

-Cleaning of small rust stains.

-Cleaning of swimming pools after the winter period.

HOW TO USE

PRODUCT PREPARATION

-**GRESNET PLUS** can be applied pure or diluted in water up to a ratio of 1:5 with water according to the type of application, resistance of the dirt to be removed, and RESISTANCE of the TILES (make previous tests in a corner).

PRODUCT APPLICATION

-For example, to clean saltpetre in exposed brickwork, we recommend removing it by applying **pure GRESNET PLUS** with a sponge or similar until it is removed.

-Apply easily by brush, sponge or by spraying.

-Spread.

-Rub with a scouring pad or nylon brush intensively.

COMMENTS TO TAKE INTO ACCOUNT

-Do not ingest; wear protective gloves and goggles; keep out of reach of children; in case of contact with eyes, consult a doctor; always protect all surfaces or objects that could be damaged by splashing or acid vapours when dealing with acids.

-**GRESNET PLUS** should not be applied to marble, limestone or its derivatives.

-**GRESNET PLUS** should not be applied without using the basic precautions required for an acid product: use rubber gloves and protective goggles.

TECHNICAL DATA

Type of product	acid
Colour	yellowish
Density	1.2 g/cm^3
pH	1
Water solubility	100%
Suitable for	outdoor
Flammability	no
Toxicity	very irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +80ºC
Proportion of mix	pure or diluted 1:5 with water
Consumption	0.05 L/m^2
Estimated expiration	36 months
Presentation	5 L and 25 L

EPOXI CLEANER

Cleaner-detergent for DRY remains of epoxy grouts. Ideal for the final cleaning of the building site after applying **CERPOXI** or **PROFESSIONAL PX**.

MAIN FEATURES

-Helps to emulsify the dried epoxy residues with WATER for complete removal.
-Detergent with emollients and solvents.
-Biodegradable.
-Non-aggressive and pH = 7.

FIELDS OF APPLICATION

-With **EPOXI CLEANER** we can remove the remains of DRY epoxy from any epoxy mortar used for grouting of industrial, anti-slip, rustic or embossed tiles.
-Ideal for the final cleaning of the building site after applying **CERPOXI** or **PROFESSIONAL PX**.
-Flooring, walls, both INDOOR and OUTDOOR, in swimming pools, on stoneware, terracotta, porcelain, marble, granite and glass.

HOW TO USE

PRODUCT PREPARATION

-**EPOXI CLEANER** can be used pure to remove thick residues or diluted 5:1 with water: 1 part of **EPOXI CLEANER** + 5 parts of tap water.

PRODUCT APPLICATION

-Spread the product over the epoxy and leave it to act for 10 - 15 minutes.
-The longer it is in contact with the residues, the more it emulsifies them and the easier it is to remove.
-Assist its chemical action with scouring pads type **FIX-ESTROPAJO-NEGRO**.
-Rinse everything with plenty of clean water and collect the excess liquid with the **FIX-ESPONJA**.
-Repeat the process as many times as necessary until the residues are completely removed.

COMMENTS TO TAKE INTO ACCOUNT

-**EPOXI CLEANER** should not be applied for uses other than those specified in this data sheet.
-**EPOXI CLEANER** should not be used without using the basic precautions required for a chemical product: use rubber gloves and protective goggles.

TECHNICAL DATA

Type of product	cleaner-detergent
Colour	translucid
Density	1.0 g/cm^3
Water solubility	0%
Suitable for	indoor and outdoor
Flammability	yes
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +80ºC
Proportion of mix	pure
Consumption	0.15 - 0.25 L/m^2 per coat
Estimated expiration	36 months
Presentation	1 L, 5 L and 25 L

FIX-GRAF STONE

Paint thinner for removing graffiti, paint and rubbers from coarse surfaces NOT PREVIOSLY TREATED with anti-graffiti products. Useful for removing epoxy residues.

MAIN FEATURES

-**FIX-GRAF STONE** is a HIGHLY concentrated mixture of solvents and paint strippers, specially formulated for all intensive cleaning jobs.
-**FIX-GRAF STONE** should only be applied with intense ventilation.
-**FIX-GRAF STONE** should not be used without the necessary precautions.

FIELDS OF APPLICATION

-Removal of graffiti and/or paint residues on porous horizontal and vertical surfaces such as stoneware floors, concrete walls, plaster, natural stone cladding, granite, marble, ceramics, etc.
-Removal of dry residues of **CERPOXI**. For stubborn cases apply as many times as necessary.
-Applicable indoors and outdoors, both vertically and horizontally.

HOW TO USE

PRODUCT PREPARATION

-**FIX-GRAF STONE** is a ready-to-use product.

PRODUCT APPLICATION

-Apply by brush a uniform coat of the undiluted product leaving it to act usually for 5 to 10 minutes to remove graffiti and from 12 to 24 hours to remove epoxy residues.
-A second coat can be applied if it is necessary.
-Subsequently carry out a deep cleaning with pressurised water or by brushing.

COMMENTS TO TAKE INTO ACCOUNT

-Do not use it to remove stains on painted surfaces whose original paintwork you wish to preserve.
-Do not use it on shiny surfaces such as polished marble.
-Do not use it without taking all the necessary personal precautions: gloves, goggles,…

TECHNICAL DATA

Type of product	stripper
Colour	green
Density	1.15 g/cm^3
pH	2.5
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	yes
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +80ºC
Proportion of mix	pure
Consumption	0.2 L/m^2 per coat
Estimated expiration	36 months
Presentation	1 L and 25 L

FIX-SABO

Multi-purpose bactericidal, fungicidal and degreasing detergent for the removal of stubborn oil and grease stains. It is a powerful industrial disinfectant. Ideal for regular cleaning.

MAIN FEATURES

-Mixture of ionic and non-ionic surfactants, phosphates, solvents with effective and fast bactericidal activity against gram-positive and gram-negative bacterias, fungi and yeasts.
-It is effective against: *Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Pseudomonas fluorescens, Klebsiella pneumoniae, Proteus vulgaris, Enterobacter aerogenes, Candida albicans, Bacyllus micoides and the fungi Aspergillus niger and Candida albicans.*

FIELDS OF APPLICATION

-It is the ideal soap for the daily cleaning of domestic and/or industrial floors.
-It does not attack ceramics, respects the colours of the tiles and disinfects deeply.
-Cleans oil stains, stubborn grease and is ideal in industrial kitchens.
-It is the ideal detergent for regular cleaning of domestic and industrial floors and very useful as a degreaser for kitchen floors.

HOW TO USE

PRODUCT PREPARATION

-**FIX-SABO** can be applied pure or diluted in water up to 1:20 according to the type of application and resistance of the dirt to be removed.
-Spread.
-Rub with a scouring pad.
-Rinse with plenty of water and leave to dry.

PRODUCT APPLICATION

-Spread the mixture on the floor to be cleaned.
-Rub with a scouring pad or mop.
-Rinse with plenty of water and leave to dry.

COMMENTS TO TAKE INTO ACCOUNT

-If the first application does not result 100% effective, repeat the steps using a more concentrated dilution.
-In all cases rinse thoroughly with clean water and allow to dry.
-**FIX-SABO** should not be used to clean dishes.

TECHNICAL DATA

Type of product	detergent-bactericide
Colour	green
Density	1.01 g/cm^3
pH	9.5
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	no
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +40ºC
Proportion of mix	pure or diluted 1:10 with water
Consumption	0.2 L/m^2 per coat
Estimated expiration	48 months
Presentation	750 cm^3, 5 L and 25 L

EPOXINET

Product to facilitate the cleaning of grouting residues type **CERPOXI** or **PROFESSIONAL PX** during the application process.

MAIN FEATURES

-**EPOXINET** is a complex formula created to emulsify epoxy and water.
-Cleaner with organic esters.
-Biodegradable.
-Non-aggressive.
-With a small quantity a great emulsifying effect is achieved.

FIELDS OF APPLICATION

-With **EPOXINET** we can remove epoxy residues during the application process, while these residues are still fresh.
-A highly specialised product that helps to emulsify epoxy residues with WATER for complete removal.
-It is especially useful during the application and cleaning of **CERPOXI** and/or **PROFESSIONAL PX**.
-It can be used on floors, walls, both INDOORS and OUTDOORS, and in swimming pools.
-Ideal for cleaning all the tools.

HOW TO USE

PRODUCT PREPARATION

-**EPOXINET** can be used pure or diluted at a ratio of 3:1 with water:
3 parts of **EPOXINET** + 1 part of tap water.
-Add in a bucket for example:
5 litres of **EPOXINET** + 1.5 litres maximum of tap water and mix lightly for 30 seconds. Reserve this mixture.

PRODUCT APPLICATION

-10 - 15 minutes after the application of **CERPOXI** or **PROFESSIONAL PX**, proceed to remove all residues with the **FIX-LLANA PARA LIMPIAR** soaked in the previous mixture.
-Then collect the excess liquid with the **FIX-ESPONJA**.
-Finally, the entire surface can be rinsed with tap water.

COMMENTS TO TAKE INTO ACCOUNT

-**EPOXINET** should not be applied to remove DRY epoxy residues (use **EPOXI CLEANER**).
-**EPOXINET** should not be used without basic chemical precautions: wear rubber gloves and protective goggles.

TECHNICAL DATA

Type of product	emulsifier
Colour	translucid
Density	1.03 g/cm^3
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	yes
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +0ºC to +40ºC
Proportion of mix	pure or diluted 3:1 with water
Consumption	0.005 L/m^2
Estimated expiration	36 months
Presentation	5 L

FIX-WALL

COLOURLESS water-repellent treatment for vertical surfaces of facing brick, concrete, mortar plaster, natural stone.

Transparent

MAIN FEATURES

-**FIX-WALL** is a colourless water-based polymer mixture, which waterproofs suitably treated surfaces.
-The **water-repellent** effect is accentuated the more the product penetrates: we recommend applying 2 to 3 layers.
-It does not significantly reduce water vapour permeability and does not alter the texture or colour of the original part.
-Prevents dampness caused by rain.

FIELDS OF APPLICATION

-Indoors and outdoors.
-Vertical or steeply inclined walls or surfaces of buildings made of facing brick, concrete, mineral plaster, sandstone, limestone, marble, granite, natural stone, tiles, etc.
-By not allowing water to penetrate, it prevents the subsequent appearance of efflorescence stains.

HOW TO USE

PRODUCT PREPARATION

-**FIX-WALL** is a ready-to-use product.

PRODUCT APPLICATION

-Clean the surface with diluted **GRESNET** or **FIX-SABO** in the case of natural stone.
-Rinse with water and allow to dry.
-Apply a first coat of **FIX-WALL** with a paint roller.
-Allow to dry for 24 hours and apply at least a second coat of **FIX-WALL** in the opposite direction to the previous one.

COMMENTS TO TAKE INTO ACCOUNT

-Store in covered and ventilated areas, keeping in original containers tightly closed: 24 months. Preserve from freezing.
-**FIX-WALL** should not be used at temperatures below +5ºC.
-**FIX-WALL** must not be used for natural porcelain stoneware.
-**FIX-WALL** must not be used by adulterating the formula.
-**FIX-WALL** must not be used in tanks or areas of standing water.
-**FIX-WALL** must not be used on internal basement walls (use **HIDROFIX**).

TECHNICAL DATA

Type of product	water-based dilution
Colour	translucid
Density	1.01 g/cm^3
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	no
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +10ºC to +40ºC
Proportion of mix	pure
Consumption (for 2 coats)	0.8 L/m^2
Estimated expiration	36 months
Presentation	1 L and 5 L

FIX-OIL

COLOURLESS treatment with oil and water-repellent effect for terracotta, natural stoneware, marble and granite.

Transparent

MAIN FEATURES

-Colourless water-based polymer mixture that waterproofs and oilproofs surfaces.
-The oil and water repellent effect reduces surface absorption.
-Temporary water repellent: the stain must be removed as soon as possible before it is absorbed by the piece.
-Does not alter the texture or colour of the original part.
-"Wet look" finish.

FIELDS OF APPLICATION

-Suitable for INDOORS and OUTDOORS.
-Ideal for barbecues, kitchens, terraces, dining rooms and spaces susceptible to receive different types of stains.
-Terracotta, unglazed natural stoneware, natural stone, granite, marble, manual terracotta, mechanical terracotta, cotto,...

HOW TO USE

PRODUCT PREPARATION

-**FIX-OIL** is a ready-to-use product.

PRODUCT APPLICATION

-Clean the surface with diluted **GRESNET** or **FIX-SABO** in the case of natural stone.
-Rinse with water and allow to dry.
-Apply a first coat of **FIX-OIL** with a paint roller.
-Allow to dry for 24 hours or 5 - 6 days in the case of terracotta floors and apply at least a second coat of **FIX-OIL** in the opposite direction to the previous one.

COMMENTS TO TAKE INTO ACCOUNT

-Store in covered and ventilated areas, keeping in original containers tightly closed: 24 months. Preserve from freezing.
-**FIX-OIL** should not be used at temperatures below +5ºC.
-**FIX-OIL** must not be used for natural porcelain stoneware.
-**FIX-OIL** must not be used by adulterating the formula.
-**FIX-OIL** must not be used in tanks or areas of standing water.
-**FIX-OIL** must not be used on internal basement walls (use **HIDROFIX**).

TECHNICAL DATA

Type of product	water-based dilution
Colour	translucid
Density	1.01 g/cm^3
Water solubility	100%
Suitable for	indoor and outdoor
Flammability	no
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +10ºC to +40ºC
Proportion of mix	pure
Consumption (for 2 coats)	0.15 - 0.18 L/m^2
Estimated expiration	36 months
Presentation	1 L and 5 L

SURFACE PROTECT

COLOURLESS ANTI-STAIN treatment for concrete, cement, terracotta, natural stoneware, marble, granite and printed paving.

Transparent

MAIN FEATURES

-Colourless solvent-based polymer mixture that waterproofs and provides oil repellency.
-The oil and water repellent effect reduces surface absorption, allowing dirt stains to be removed more easily.
-**SURFACE PROTECT** does not alter the texture of the original part and gives a semi-satin finish.
-Repellent to oil, water, coffee, mayonnaise, ketchup, butter, vinegar, mustard, wine, bleach.
-Permanent protection.

FIELDS OF APPLICATION

-Indoor and outdoor.
-Cement, concrete, printed flooring, terracotta, unglazed natural stoneware, natural stone, granite, marble, manual terracotta, mechanical terracotta, cotto, etc.
-Ideal for barbecues, kitchens, terraces, dining rooms and spaces susceptible to receive different types of stains.

HOW TO USE

PRODUCT PREPARATION

-**SURFACE PROTECT** is a ready-to-use product.

PRODUCT APPLICATION

-Clean the surface with diluted **GRESNET** or **FIX-SABO** in the case of natural stone.
-Rinse with water and allow to dry.
-Apply a first coat of **SURFACE PROTECT** with a paint roller.
-Allow to dry for 24 hours or 5 - 6 days in the case of terracotta floors and apply at least a second coat of **SURFACE PROTECT** in the opposite direction to the previous one.

COMMENTS TO TAKE INTO ACCOUNT

-Store in covered and ventilated areas, keeping in original containers tightly closed: 36 months.
-**SURFACE PROTECT** should not be used at temperatures below 0ºC.
-**SURFACE PROTECT** must not be used for natural porcelain stoneware.
-**SURFACE PROTECT** must not be used by adulterating the formula.
-**SURFACE PROTECT** must not be used in tanks or areas of standing water.
-**SURFACE PROTECT** must not be used on internal basement walls (use **HIDROFIX**).

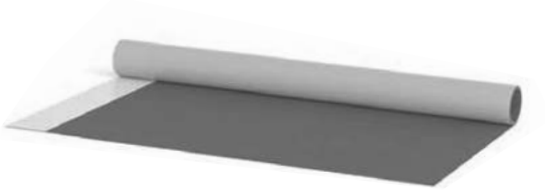
TECHNICAL DATA

Type of product	water-based dilution
Colour	translucid
Density	0.96 g/cm^3
Water solubility	0%
Suitable for	indoor and outdoor
Flammability	yes
Toxicity	irritating
Self-protection measures	goggles, mask and gloves
Temperature of application	from +5ºC to +40ºC
Proportion of mix	pure
Consumption (for 2 coats)	0.1 - 0.2 L/m^2
Estimated expiration	36 months
Presentation	2 L

LAMINA FREATICA

Complies with DIN-EN13.967

Multi-layer membrane, very EASY to install, to prevent rising moisture due to groundwater in concrete foundations.



TAPE-FLEX

MAIN FEATURES

-Tri-layer film composed of: a flexible FPO polyolefin membrane + a needle-punched non-woven polypropylene cover layer + a self-adhesive butyl rubber side strip.
-It achieves a total seal in combination with fresh concrete, preventing the appearance of dampness inside the house due to capillarity or leaks even with pressurised water.
-Easy to use: it does not require the use of any adhesive or sealant.

FIELDS OF APPLICATION

-Protection of concrete foundations against rising water due to a high ground water level.
-It can be used in underground structures, basements, car parks, swimming pools, residential buildings, hospitals, industries, etc.
-**LAMINA FREATICA** achieves total sealing in combination with fresh concrete, preventing the appearance of damp inside the house due to capillary action or leaks, even with pressurised water.

HOW TO USE

SUPPORT PREPARATION

-The surface where the sheet is to be placed can be a wooden formwork, a cleaning concrete or a gravel support. In all cases it must be resistant, clean of any sharp or especially pointed elements and dry.

PRODUCT PREPARATION

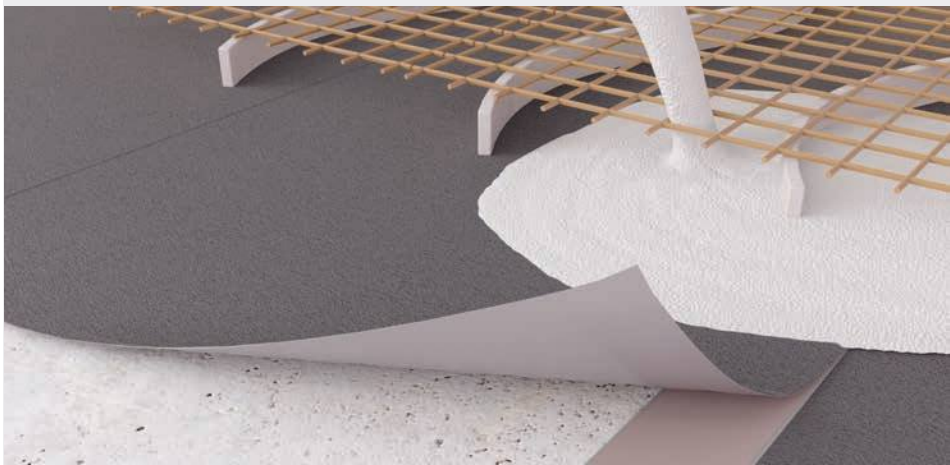
-**LAMINA FREATICA** is a ready-to-use product.

PRODUCT APPLICATION

-**1st step:** cut 80 cm of **TAPE FLEX** and execute the following drawing by making a single cut at the bottom. The adhesive part must remain on the inside:
-**2nd step:** place one of these prepared pieces in each corner.
-**3rd step:** place the **TAPE FLEX** in the vertical corners from top to bottom, fastening it with a single staple on each side.
-**4th step:** remove the protective paper from the corner piece and fix the vertical strip.
-**5th step:** place the **TAPE FLEX** on the horizontals by gluing it to the self-adhesive corner piece.
-**6th step:** remove the protective paper from the vertical strip and glue the **LAMINA FREATICA** with the black side facing inwards so that it comes into contact with the concrete.
-**7th step:** place the next **LAMINA FREATICA** by sticking it to the self-adhesive part of the previous sheet. Avoid overlaps between one sheet and the next.

TECHNICAL DATA

Mass per unit area	x = 850 g/m² + 75 g/m²
Watertightness at 60 kPa / 24 hrs and 400 kPa / 72 hrs	complies
Watertightness after heat ageing at 60 kPa / 24 hrs	complies
Watertightness after chemical contact at 60 kPa / 24 hrs	complies
Water vapour permeability	g = 6.8 x 10^{-9} kg/m²·s ± 30%
Impact resistance aluminium surface	< 150 mm
Impact resistance EPS panel	< 1500 mm
Ultimate load - method A-longitudinal and transverse	400N / 50mm ; 340N / 50mm
Extension at break - method A	90% (longitudinal)
Extension at break - method A	120% (transversal)
Tearing strength - longitudinal and transverse	370 N - 380 N
Temperature resistance	from -30ºC to +60ºC
Estimated expiration	unlimited
Presentation	1x20 m long; 1.6 mm thick
	TAPE FLEX
Mass per unit area	x = 1270 g/m²
Ultimate load-longitudinal and transverse load	105N / 15mm ; 82N / 15mm
Extension at break - longitudinal and transversal	448% ; 805%
Presentation	0.2x20 m long; 1.2 mm thick



BANDA IMPERMEABLE 120/70

Waterproof elastic band to be applied together with **HIDROELASTIC** or similar, or with **FIX-TERRATS FIBRA** or similar.

MAIN FEATURES

-Waterproof and vapour-proof elastic rubber. It is provided with a side-to-side felt that facilitates its installation alongside the waterproofing product itself.
-Very high elasticity.
-Chemical resistance to alkalis, acids, brines.
-Resistance to weathering and inclement weather.
-High resistance to UV ray.
-Easy splicing of overlaps with adhesives.

FIELDS OF APPLICATION

-Sealing of construction joints, cracks... in industrial floors, swimming pools and terraces.
-Ideal for sealing corners and wall-wall and wall-bottom angles in swimming pools, in conjunction with **HIDROELASTIC** or **HIDROFIX**, or terraces in conjunction with waterproof paints such as **FIX-TERRATS FIBRE** or **HIDROFACIL**.
-It is fixed to the substrate using the waterproof paint or mortar itself, i.e. it does not require an epoxy adhesive to be applied.

HOW TO USE

SUPPORT PREPARATION

-The correct, exhaustive and detailed restoration of the substrate is the best guarantee to ensure a long-lasting bond. Remove any remains of deteriorated, disjointed, unsound concrete, traces of dust, paints, waxes, release agents, ...

PRODUCT PREPARATION

-**BANDA IMPERMEABLE 120/70** is a ready-to-use product.

PRODUCT APPLICATION

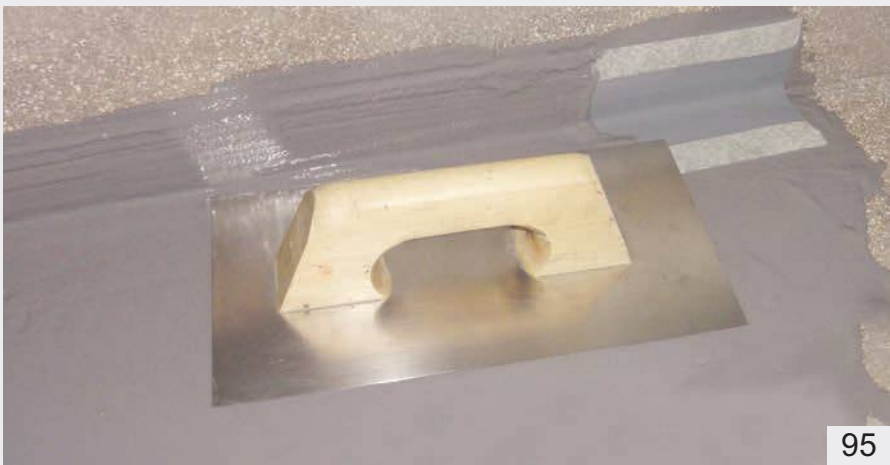
-Application of the band in DILATION JOINTS: insert the band into the expansion joint and hold it in position with the help of the **SELLALASTIC FOAM**. Apply a layer of waterproof mortar or paint on both sides of the joint and press the felt side of the strip firmly against the mortar or paint using a hard roller or metal trowel. Immediately apply another layer of 1 mm thickness over the top of the strip respecting the central part. For a neat job, it is recommended that before to the application of the adhesive, a painter's tape is applied on both sides of the expansion joint leaving the correct width for the adhesive.
-Application of the strip at CORNERS: apply a layer of waterproof mortar or paint on both sides of the corner and press the felt side of the strip firmly against the mortar or paint using a hard roller or metal trowel. Immediately apply another 1mm thick layer on top of the strip.

COMMENTS TO TAKE INTO ACCOUNT

-The joint between a band and the next band is very easily made using PVC glue, **MASTIC MS** or **ELASTICER**.

TECHNICAL DATA

Thickness	0.79 mm
Impermeability	100%
Breaking pressure	≥ 1.1 bar
Resistance to longitudinal traction	L = 153 N / 15 mm
Resistance to transverse traction	T = 35 N / 15 mm
Elongation at break longitudinal	L > 503%
Elongation at break transverse	T >31%
Resistance to 25% lateral elasticity	0.57 N/mm
Resistance to 50% lateral elasticity	0.66 N/mm
Resistance to temperature	from +15ºC to +35ºC
Consumption proportional to the corner to be sealed	1 m / 1 m + overlaps
Estimated expiration	unlimited
Presentation	rolls of 0.12 x 10 m



FIX-BANDA

Waterproof self-adhesive tape for the protection of joints and the formation of half-rounds exposed to the risk of cracking.

MAIN FEATURES

-A band composed of a visco-elastic layer of butyl rubber, covered with a non-woven of polyester fibres which allows the band to deform in the transverse direction while limiting the deformation in the longitudinal direction.
-It is compatible with most substrates: aluminium, glass, concrete and mortar.
-Self-adhesive waterproof strip.
-Ideal for terraces, balconies, decks, swimming pool decks.

FIELDS OF APPLICATION

-Total waterproofing of corners and angles once **HIDROPRIMER** has been applied and before to the application of **HIDROFACIL**.
-Pre-sealing of corners to reinforce waterproofing at these critical points, in interiors, exteriors, terraces, balconies, swimming pools.
-Band for bridging expansion joints before to the application of waterproofing.
-Ideal for terraces, balconies, roofs, swimming pool decks.

HOW TO USE

SUPPORT PREPARATION

-The substrate must be resistant, dust-free and perfectly set.
-Fragile or very porous surfaces must be pre-treated with **PRIMFIX** or **IMPRIMACION SELLADOR S10** and left to dry for at least 1 hour.

PRODUCT PREPARATION

-**FIX-BANDA** is a ready-to-use product.

PRODUCT APPLICATION

-Do not use the product in applications not described in this technical data sheet without previous consultation with the Technical Department.
-Carry out before adhesion tests in-situ on the substrate to be protected.
-Remove the self-adhesive paper from one side only and stick it by pressing it firmly onto the substrate.
-Proceed in the same way with the other side of the tape.
-Make sure that the tape does not form air bubbles.
-Press it tightly to the backing.
-Then paint it with **FIX-TERRATS FIBRA** (roofs) or protect it with **HIDROFACIL** (terraces, balconies,...).

COMMENTS TO TAKE INTO ACCOUNT

-Do not use the product as the only waterproofing solution: **FIX-BANDA** does not replace waterproofing paint or mortar. It complements them.
-Do not use on plaster or plasterboard walls or Pladur without previous priming with **HIDROPRIMER**.

TECHNICAL DATA

Type of fibre	polyester
Impermeability	100%
Mass per cm^3	1.4 g/cm^3
Type of butyl	butil-poliisobutileno
Temperature of application	from +50ºC to +40ºC
Resistance to slippering of butyl	< 5 mm
Maximum longitudinal elongation	> 70%
Maximum transverse elongation	> 70%
Shear adhesion (90°)	> 70 N
Resistance to temperature	from -30ºC to +80ºC
Consumption proportional to the corner to be sealed	1 m / 1 m + overlaps
Estimated expiration	unlimited
Presentation	rolls of 0.08 x 10 m

FIX-BANDA DRAIN

Self-adhesive waterproofing tape to ensure water-tightness in DRAINS, before to the application of waterproofing.

MAIN FEATURES

-**FIX-BANDA DRAIN** is composed of a viscoelastic layer of butyl rubber, coated with a non-woven of polyester fibres that allows the sheet to deform in both directions.
-It is compatible with most substrates: aluminium, glass, concrete and mortar.
-**Not compatible with asphalt**.
-Self-adhesive band.
-Waterproof.
-Measurements 40 x 40 cm.

FIELDS OF APPLICATION

-Ideal for ensuring watertightness in drains before to the application of **FIX-TERRATS FIBRE**, **FIXAQUA FILM**, **HIDROELASTIC**, **HIDROFACIL** or **HIDRO-FIX**.
-Ideal for terraces, balconies, decks and swimming pool decks.

HOW TO USE

SUPPORT PREPARATION

-The substrate must be resistant, dust-free and perfectly set.
-Fragile or very porous surfaces must be pre-treated with **PRIMFIX** or **IMPRIMACION SELLADOR S10** and left to dry for at least 1 hour.

PRODUCT PREPARATION

-**FIX-BANDA DRAIN** is a ready-to-use product.

The support must be solid, clean and dry

Place the sheet in the center of the sump to be sealed

Fold the sheet into two parts following the pre-cut

Remove the protective paper from only one of the two parts.

Glue the sheet and press hard to get a total grip.

Fold the sheet on the other side of the pre-cut.

Remove the paper of this side; glue it and press hard.

Take a blade and make V cuts from the center to the perimeter.

The cuts should start at the perimeter and should reach the center of the drain.

Cut the entire sheet completely discovering the sump.

Paste the sheet neatly into the walls of the sump, and with it...

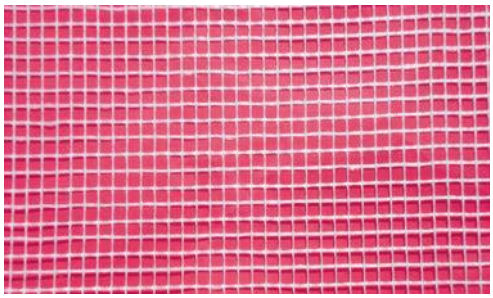
...we will have the surface ready to receive the waterproofing.

TECHNICAL DATA

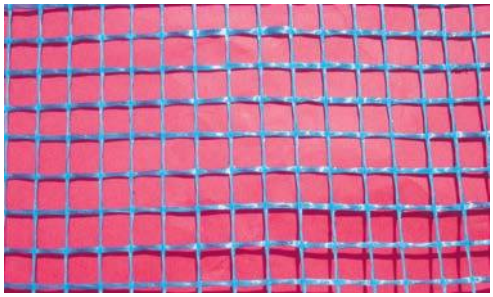
Type of fibre	polyester
Impermeability	100%
Mass per cm^3	1.4 g/cm^3
Type of butyl	butil-poliisobutileno
Temperature of application	from +50ºC to +40ºC
Resistance to slippering of butyl	< 5 mm
Maximum longitudinal elongation	> 70%
Maximum transverse elongation	> 70%
Shear adhesion (90°)	> 70 N
Resistance to temperature	from -30ºC to +80ºC
Consumption	1 drain / 1 unit
Estimated expiration	unlimited
Presentation	sheets of 0.40 x 0.40 m

MESH AND GEOTEXTILES

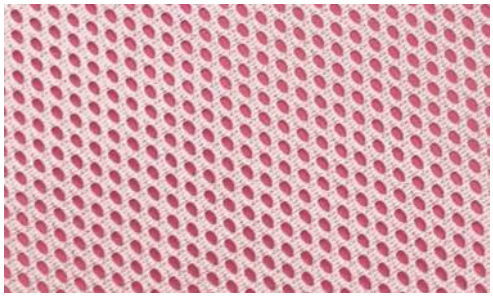
(*)=ETAG 004 (**)=DIN EN ISO 527-3



NET-HIDRO-80 :
Alkaline-resistant fibreglass mesh 5x5 mm with the following grammage: 80 g/m2.
Ideal for:
1) Counteracting the tension produced during the drying out of plaster or waterproof mortars such as **HIDROFIX**.
2) Ideal for use in corners and joints.
3) Ideal for achieving constant thickness and exact application of paint and perfectly set.



NET- MORTER-110 :
Alkaline-resistant fibreglass mesh 10x10 mm with the following grammage: 110 gr/m2.
Ideal for:
1) Counteracting the tension produced during the drying out of plastering mortar: ideal for use in corners and when trying to avoid cracking.
2) Obligatory in overlaying ceramic in swimming pools with **FIXMAX S2 GEL**.
3) Obligatory in exterior thermal insulation systems.



NET-ELASTIC-65 :
It is a mesh, 100% polypropylene, woven, with alkaline protection, with a minimum thickness of 0.33 mm, with a grammage of 65 gr/m2, resistant from -30ºC to +90ºC and ULTRA-ELASTIC, ideal for:
1) Strengthen the tensile strength of ELASTIC waterproof mortars such as **HIDROELASTIC**.
2) Ideal for bridging expansion joints.
3) Ideal for achieve a continuous thickness and exact cement consumption.

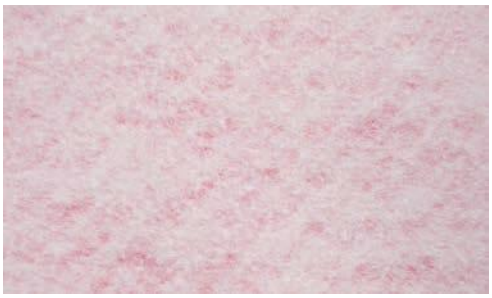
VELO-TERRATS-50:
A fine mesh of 50 g/m2 pressed fibreglass for reinforcing the adhesion in the application of paint.
Ideal for:
1) Creating a waterproof surface when using **FIX-TERRATS FIBRA** in terrace roofs or with a slight slope.
2) Ideal for achieving constant thickness and exact application of paint.
3) Ideal for being repainted time and time again.

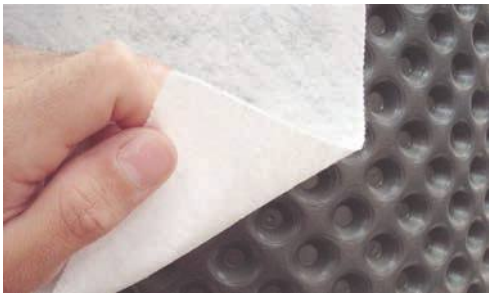
TECHNICAL DATA

	NET-MORTER 110	NET-HIDRO 80	VELO-TERRATS 50	NET-ELASTIC 65
Warp	16 threads/dm	40 threads/dm	---	---
Weave	8 threads/dm	20 threads/dm	---	---
Resist.traction length	1600 N / 5 cm	1200 N / 5 cm	210 N / 5 cm	250 N / 5 cm
Resist.traction side	1300 N / 5 cm	1050 N / 5 cm	210 N / 5 cm	180 N / 5 cm
Color	Blue	White	White	White
Elongation %	2-4	4-5	---	38%(L);105%(T)
	(*)	(*)	(*)	(**)

GEOTEXTILES AND DRAINS

EN 13249 ... 13257





GEOTEXTILES: PP-120, PP-150 and PP-200 :
Geotextiles made of 100% polypropylene, punched and heat-set with MAXIMUM resistance to alkalines when in contact with mortar or concrete. Ideal for:
1) Cement: as a layer to separate **HIDROELASTIC** and the ground.
2) Inverted roofs: as a separating layer between **HIDROELASTIC** and gravel in order to avoid puncturing
3) Embankments, gutters, slopes, PVC pond liners, concrete slabs, etc.

DRENANTE+GEOTEXTIL 620 :
A 500 gr/m^2 polyethylene sheet which lets through water with a geotextile layer of 120 gr/m^2 with MAXIMUM resistance to alcalines. Ideal for:
1) Cements: as a separating layer between **HIDROELASTIC** and the ground; resistant to plant roots; lets through the right amount of water. A cavity forms between the geotextile and the sheet which is very resistant to compression yet lets air, water vapour and drainage water circulate freely.
2) Tunnels, irrigation channels, containing walls, etc.

TECHNICAL DATA

GEOTEXTILES

			GEOTEXTIL PP-120	GEOTEXTIL PP-150	GEOTEXTIL PP-200
Resistance to traction	EN 10319	KN/m	4,9(MD);6,8(CD)	7,6(MD);7,5(CD)	12,9(MD);13,1(CD)
Tensile test	EN 10319	%	80(MD);90(CD)	58(MD);86(CD)	85(MD);95(CD)
R. static puncture	EN 12236	KN	0,9	1,4	1,9
R. dynamic perforation (cone drop)	EN 918	mm	31	30	20
Pore opening	EN 12956	µm	70	67	60
Permeability water	EN 11058	L/m^2/s	11	10	41

DRAINAGE +GEOTEXTIL

		DRAINAGE
Tensile test EN 10319	%	> 45
Thickness	mm	0,85

		DRAINAGE+GEOTEXTIL 620
Permeability water	L/m·s	1,65
Resistance traction lengthways	--	500 N / 5 cm
Resistance traction sideways	--	500 N / 5 cm
Volume air	L/m^2	5,7
Thickness	mm	8,85
Resistance to compression	Tm/m^2	20

CANALETA DE DUCHA-FIXCER

It is the ideal complement to the LAMINA PROOF for ceramic plates. Available in 5 finishes, 4 different colours and 7 lengths.

COLOURS

Silver

Black

Bronze

Gold

FINISHES

Circles

Squares

Smooth

Transversal

Ceramic

DRAINS

MAX drain

SMALL drain

MAIN FEATURES

1 Kit of Canaleta-FIXCER consists of: 1 drainage channel; 1 grate (to choose from); 1 hair catcher; 1 3 m² of LAMINA PROOF; 1 pipe pass-through; 1 protective cover; 1 50/50 connector; 1 50/40 reducer and a siphon drain available in two different thicknesses to choose from. All grates are made of AISI304 stainless steel with a thickness of 1.5 mm and a width of 60 mm. The channels are available in the following lengths: 60, 70, 80, 90, 100, 120 and 150 cm.

FIELDS OF APPLICATION

-The Canaleta-FIXCER can be used in swimming pool areas, changing rooms and showers, both in public and private works.

-For installation in new construction, the 72 mm thick MAX drain should be installed to comply with current regulations.

-For rehabilitation installations, it is not necessary to comply with the regulations and therefore it is possible to apply the 72 mm MAX drain or, failing that, the 48 mm thick SMALL drain.

HOW TO USE

1 Installing the ceramic gutter.

2 Position the gutter drain with the siphon.

3 Spread C2S1 type adhesive cement

4 Stick the LAMINA and trim off the excess.

5 Spread tile adhesive over the LAMINA...

6 ...and spread tile adhesive over the grate.

7 Place the tiles with the help of the spacers.

8 Remove the separators and you're done!!

APPLICATION VIDEO

CONTENTS OF A COMPLETE KIT

APPLICATIONS

01
Concrete substrate

02
Screed
PAVIFORT

03
Adhesive. Choose between:
FIX-PORCELANICO FLEX

FIX-PORCELANICO GEL

04
Porcelain tiles

05
Grout
IDEAL COLOR

06
Expansion joint
SILICONA NEUTRA

07
Waterproof plaster-board substrate

INSTALLING THIN PORCELAIN TILES OR SLIM TILES UNTIL SIZE 1,21x3 ML.

01
Concrete substrate

02
Bonding slurry
BOND COAT

03
Self-levelling mortars. Choose between:

FIX-NIVEL

FIX-NIVEL PREMIUM

FIX-NIVEL CAPA GRUESA

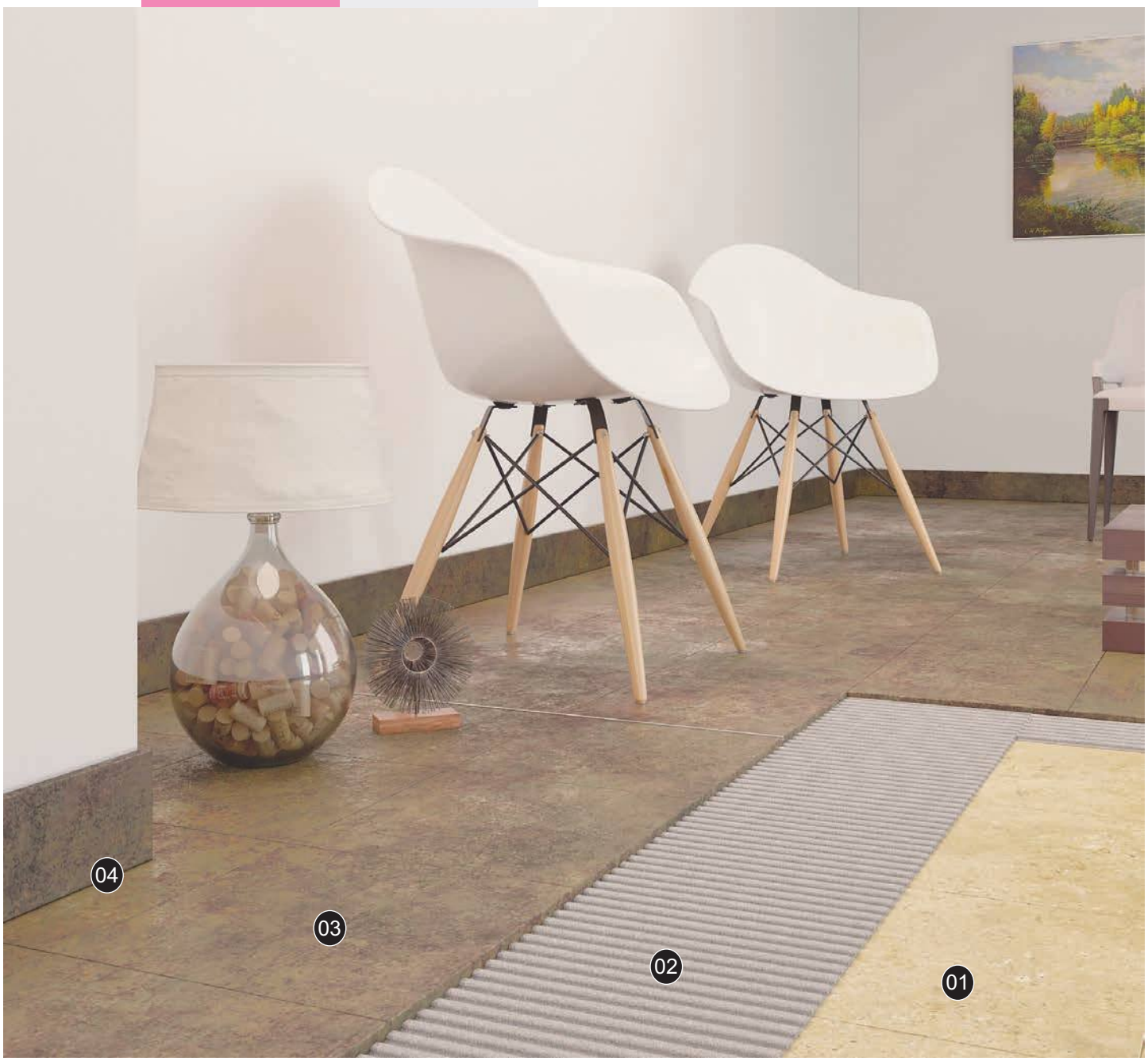
04
Adhesive ultra-fluid
FIXAFLEX GEL

05
Large format porcelain stoneware

06
Grout
IDEAL COLOR

07
Perimetral expansion joint. See 108 page

08
Cementitious adhesive anti-slip
FIXAFLEX GEL



01
Base: existing old tiles

02
Adhesive ultra-fluid
FIXAFLEX GEL

03
Grout
IDEAL COLOR

04
Expansion joint
SILICONA NEUTRA

01
Concrete substrate

02
Insulating thermal coat

03
Underfloor heating system: hot water pipes or electrical resistance

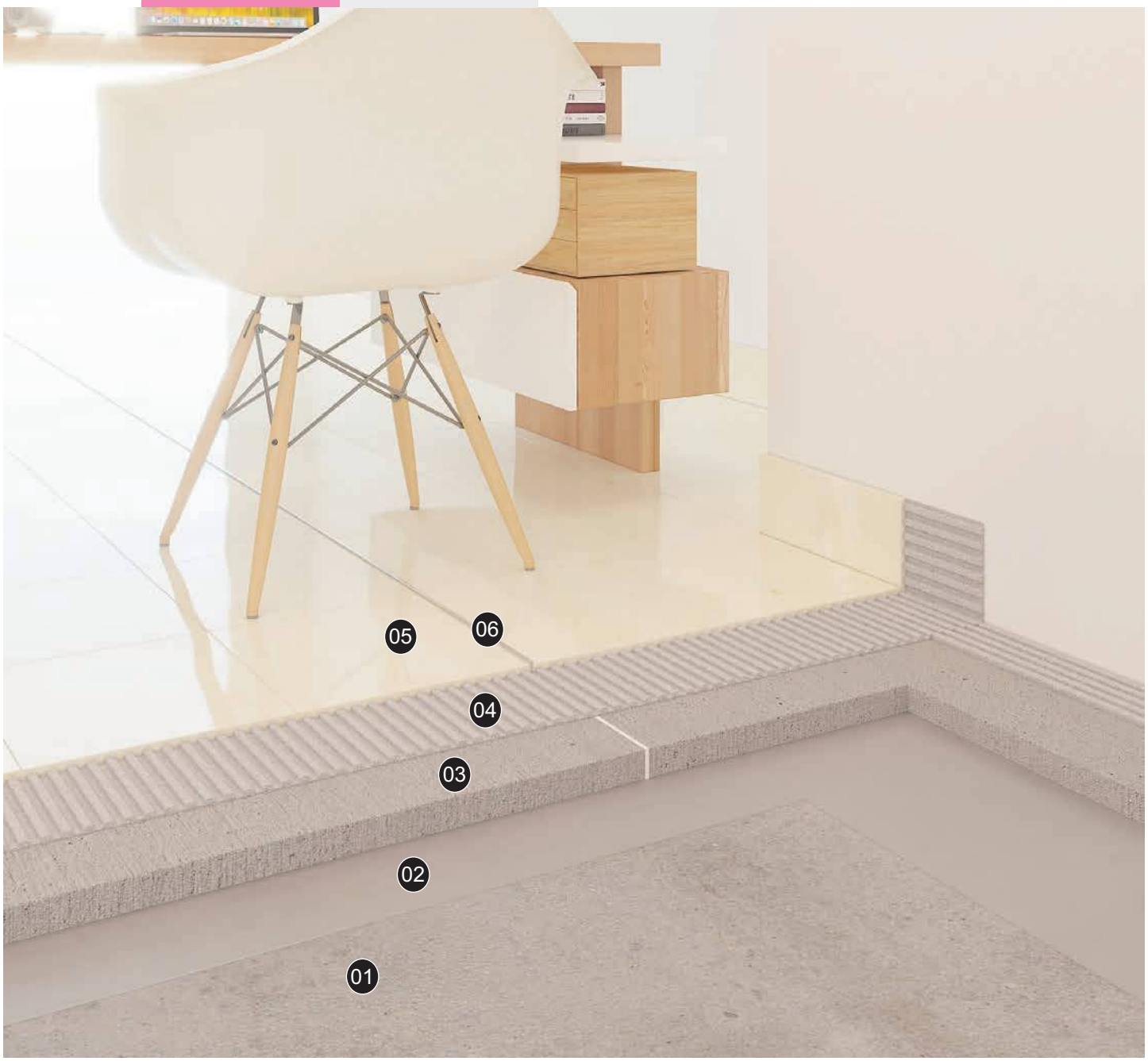
04
Screed
PAVIFORT

05
Cementitious adhesive
FIXAFLEX GEL

06
Grout
IDEAL COLOR

07
Expansion joint
SILICONA NEUTRA

INSTALLATION OF WHITE MARBLE OR NATURAL STONE SLABS SENSITIVE TO DAMP



01
Concrete substrate

02
Protective layer against humidity: polyethilene sheet

03
Screed
PAVIFORT

04
Cementitious adhesive
FIXAFLEX GEL

05
Grout
IDEAL COLOR

06
Expansion joint
SILICONA NEUTRA

INSTALLATION OF GREEN MARBLE OR RECONSTRUCTED MARBLE OR UNSTABLE SLABS

01
Concrete substrate

02
Protective layer against humidity: polyethylene sheet

03
Screed
PAVIFORT

04
Adhesive. Choose between:

ELASTICER

ELASTICER FLUID

ELASTICER CAPA GRUESA

05
Grout
IDEAL COLOR

06
Expansion joint
SILICONA NEUTRA

PERIMETER DILATATION JOINT FOR INTERNAL AREAS

01
Concrete substrate

02
Screed
PAVIFORT

03
Base of the dilatation joint: polystyrene

04
Elastic sliding insert:
SELLALASTIC FOAM

05
Adhesive. Choose between:

FIX-PORCELANICO FLEX

FIX-PORCELANICO GEL

06
Expansion joint
SILICONA NEUTRA

01
Mortar, concrete or gypsumboard substrate

02
Primer
HIDROPRIMER

03
Waterproofing (1st layer)
HIDROFACIL

04
Elastic and waterproof tape:
BANDA IMPERMEABLE 120/70

05
Waterproofing (2nd layer)
HIDROFACIL

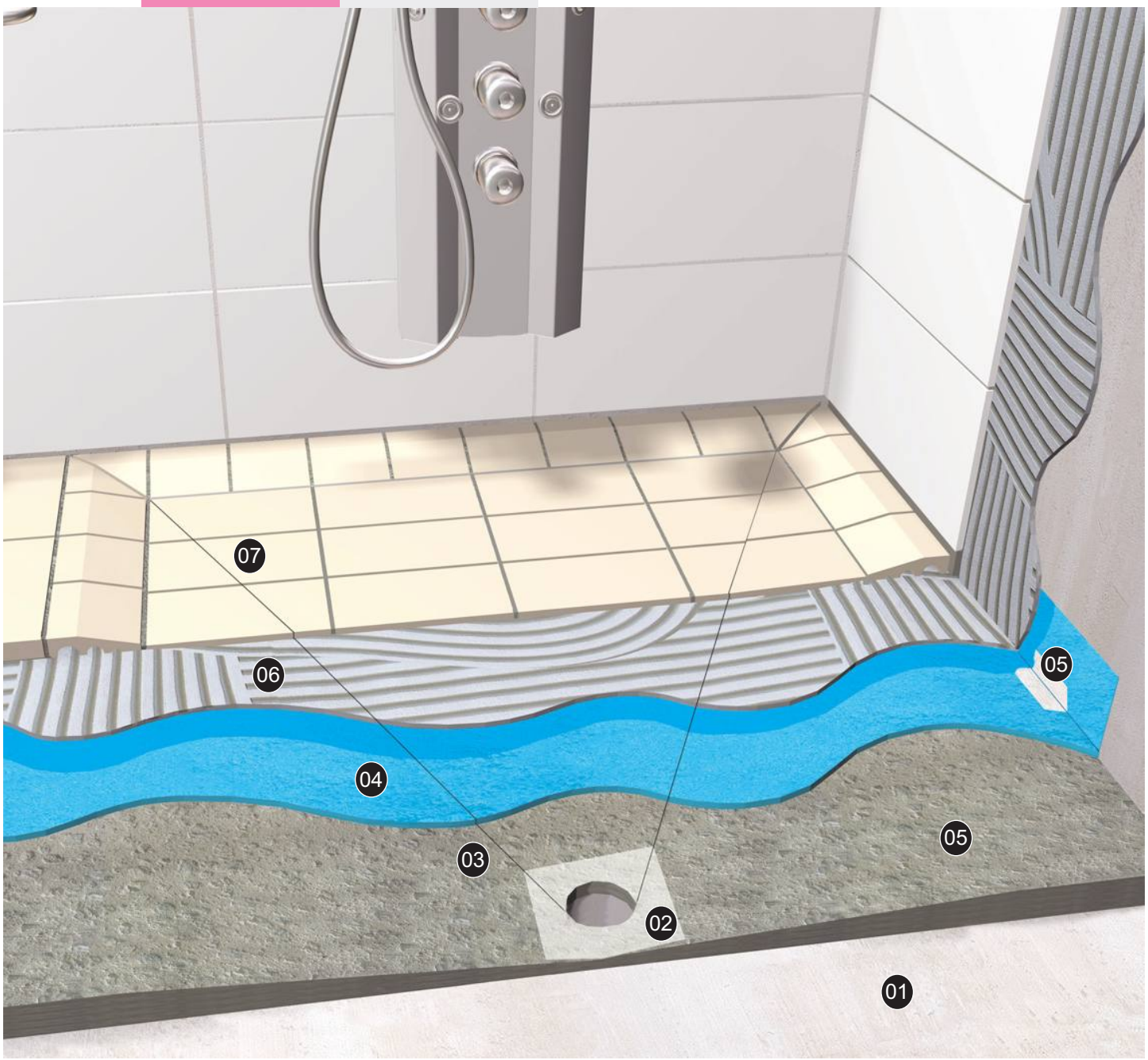
06
Adhesive
FIXAFLEX GEL

07
Porcelain stoneware

08
Grout. Choose between:
PROFESSIONAL PX

IDEAL COLOR

09
Expansion joint
SILICONA NEUTRA



01
Concrete substrate

02
Self-adhesive waterproof band for drains
FIX-BANDA DRAIN

03
Floor screed slope mortar
PAVIFORT

04
Waterproofing
HIDROFACIL

05
Elastic and waterproof tape:
BANDA IMPERMEABLE 120/70

06
Adhesive
FIXAFLEX GEL

07
Grout.
PROFESSIONAL PX

01
Concrete substrate

02
Self-levelling mortars. Choose between:

FIX-NIVEL

FIX-NIVEL PREMIUM

FIX-NIVEL CAPA GRUESA

03
Ultra-elastic adhesive
ELASTICER FLUID

01

Highly elastic and ultra-adhesive sealant
MASTIC MS

Plinths, mirrors, hand basins, sanitary ware, paper roll holders, shower ceramic or synthetic trays, shower columns.

01
Concrete substrate

02
Waterproofing
HIDROFIX

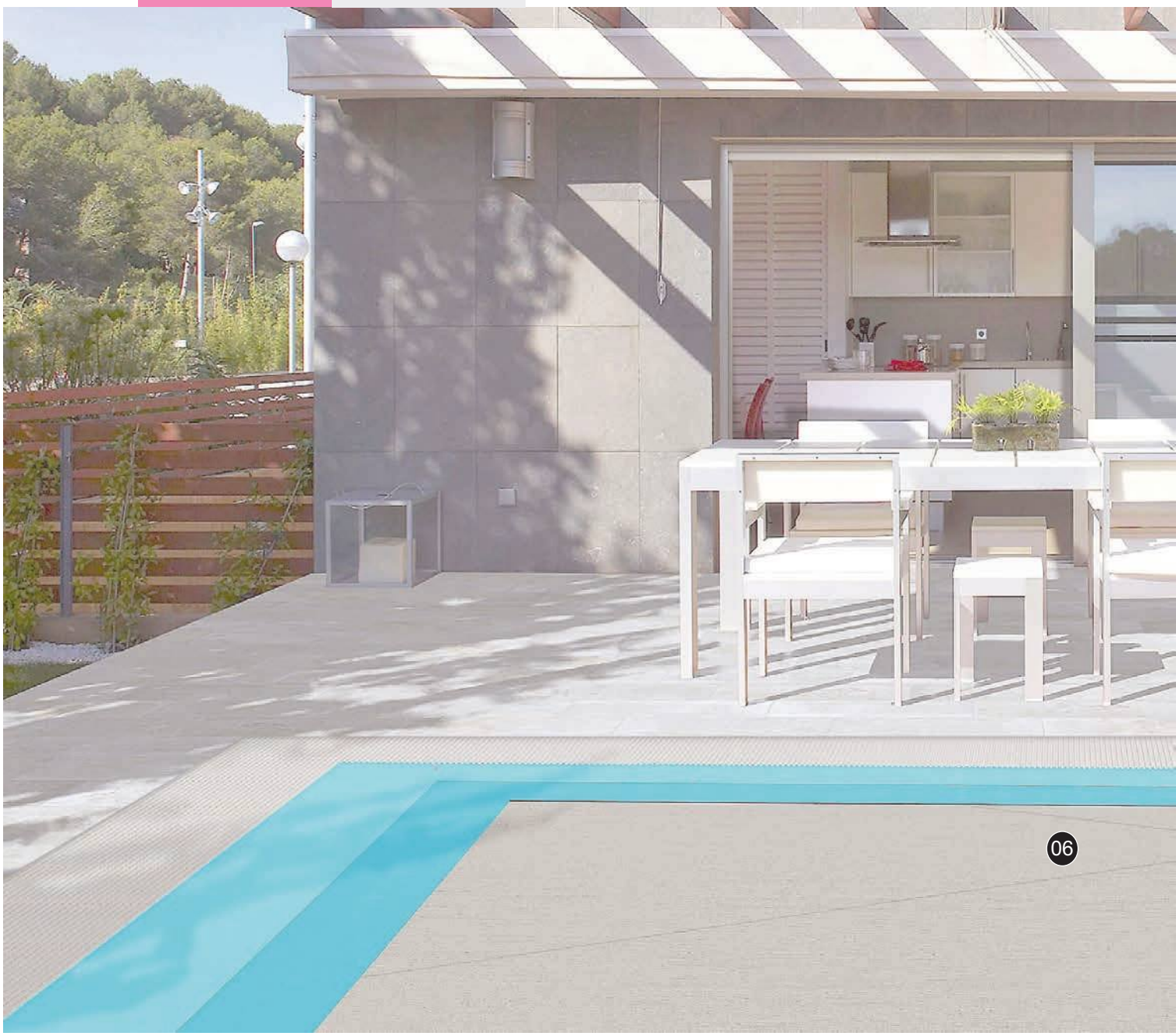
03
Thermal insulation.
XPS- extruded polystyrene

04
Mesh anchored to concrete

05
Screed
FIX-REVOCO

06
Adhesive
FIXMAX S2 GEL

07
Grout
IDEAL POOL



01
Mortar or concrete substrate

02
Perimeter dilatation joint: polystyrene

03
Screed
PAVIFORT

04
Pre-primer for absorbent substrates
IMPRIMACION SELLADOR S10

05
Ultra-elastic putty 100% watertight
SELLADOR S10

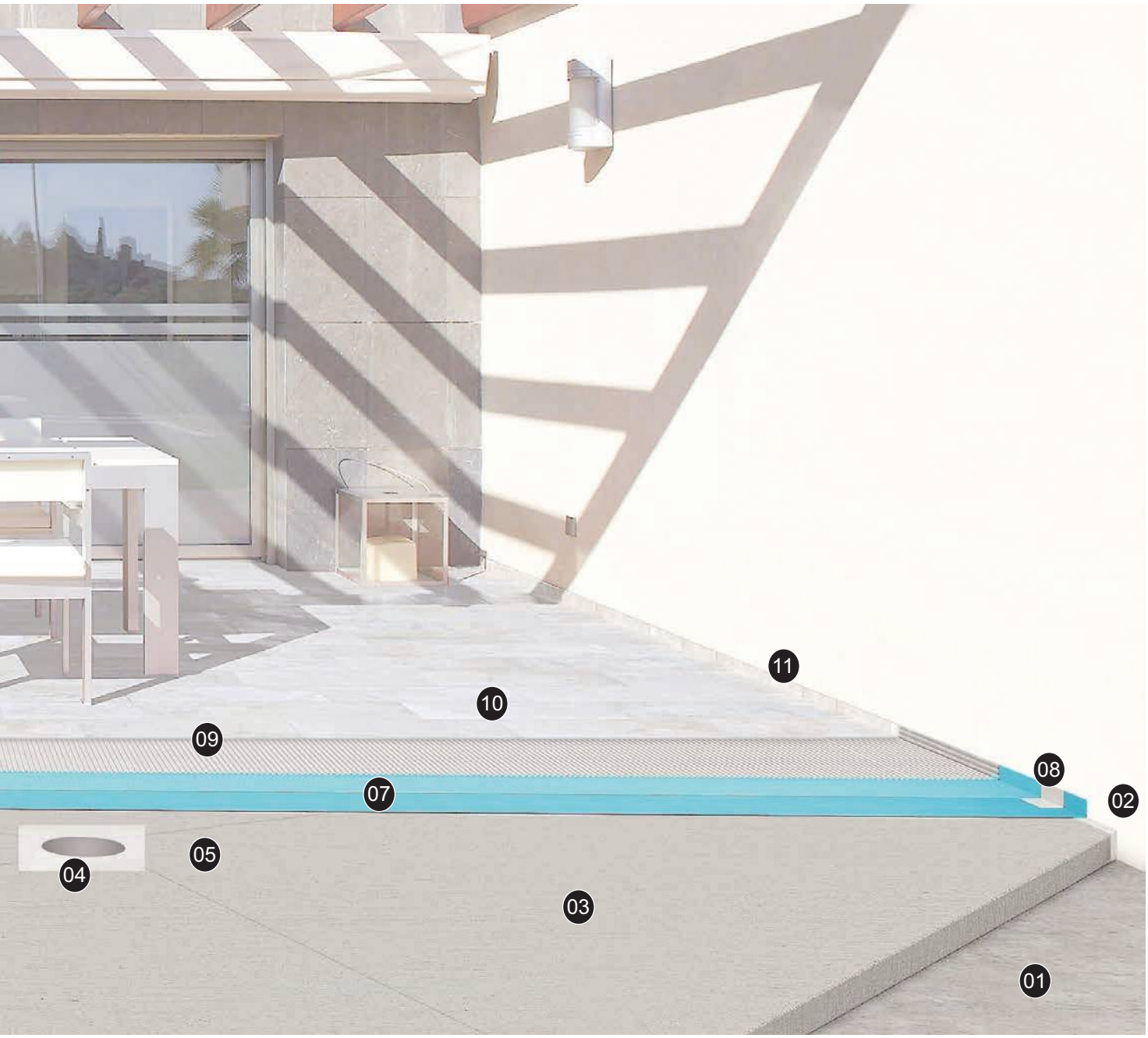
06
Self-adhesive waterproof band for drains
FIX-BANDA DRAIN

07
Waterproofing. Choose between:

HIDROELASTIC

FIXAQUA FILM

HIDROFACIL



08

Elastic and waterproof tape:
BANDA IMPERMEABLE 120/70

09

Adhesive
TECNOCOL GEL

10

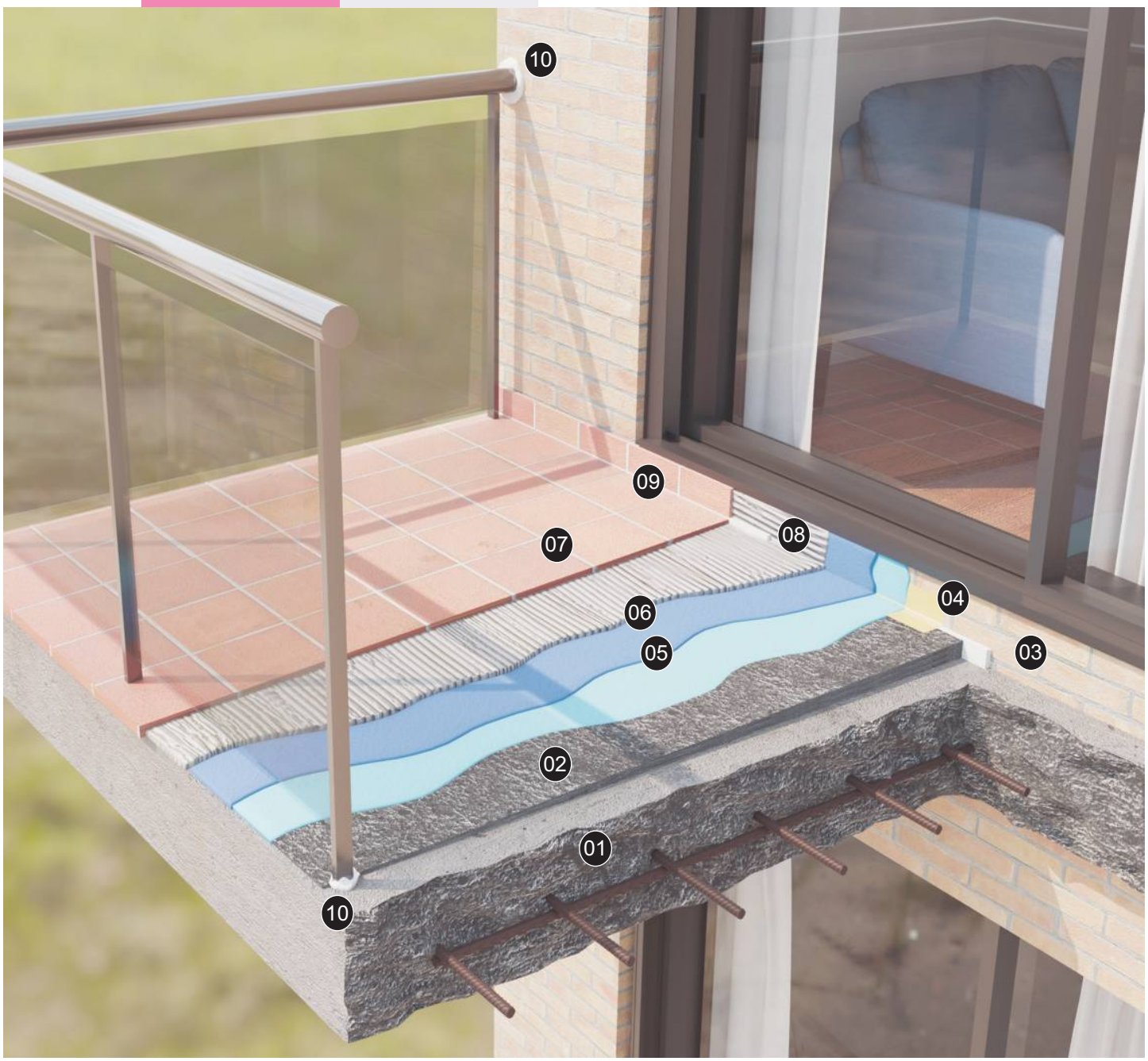
Grout. Choose between:

CERPOXI

IDEAL COLOR

11

Perimetral expansion joint. See 119 page



01
Concrete substrate

02
Screed
PAVIFORT

03
Dilatation joint: polystyrene

04
Self-adhesive, elastic and waterproof band
FIX-BANDA

05
Waterproofing
HIDROFACIL

06
Cementitious adhesive
FIXAFLEX GEL

07
Grout
IDEAL COLOR

08
Elastic sliding insert:
SELLALASTIC FOAM

09
Elastic polyurethane sealant
SELLALASTIC

10
Anchoring handrails
EPOXICOL

01
Granular drainage substrate

02
Sub-base drainage sub-substrate
MORTER DRAIN

03
Drainage mortar
JUNTA DRAIN

01

Matte water-repellent product or semi-gloss

FIX-OIL

SURFACE PROTECT

02

Natural stone cleaner

EPOXI CLEANER

03

Water-repellent for vertical surfaces

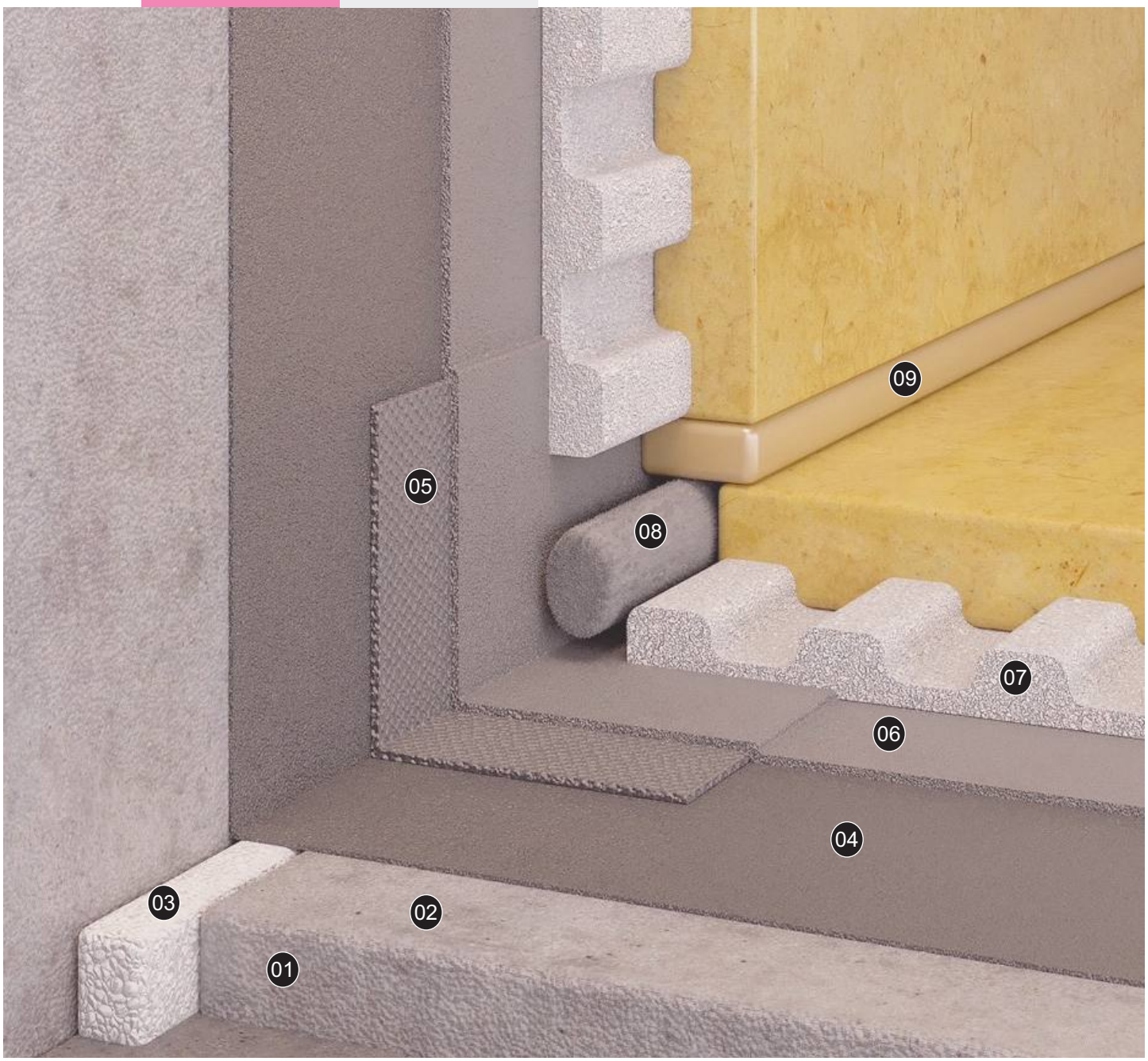
FIX-WALL

04

Graffiti stripper and cleaner

FIX-GRAF STONE

PERIMETER DILATATION JOINT FOR EXTERNAL AREAS



01
Concrete substrate

02
Screed
PAVIFORT

03
Dilatation joint: polystyrene

04
Waterproofing (1st.layer). Choose between:
HIDROELASTIC

HIDROFACIL

05
Elastic and waterproof tape:
BANDA IMPERMEABLE 120/70

06
Waterproofing (2nd.layer). Choose between:
HIDROELASTIC

HIDROFACIL

07
Cementitious adhesive
FIXAFLEX GEL

08
Elastic sliding insert:
SELLALASTIC FOAM

09
Elastic polyurethane sealant
SELLALASTIC

01
Concrete substrate

02
Screed
FIX-REVOCO

03
Adhesive. Choose between:

FIXMAX S2 GEL

FIX PORCELANICO GEL + ADIFLEX

04
Stainless steel mechanical anchors.

05
Grout. Choose between:

PROFESSIONAL PX

IDEAL COLOR

06
Elastic polyurethane sealant
SELLALASTIC

07
Screed
PAVIFORT

08
Cementitious adhesive
FIXAFLEX GEL

EPOXY-BASED, HIGH ACID-RESISTANT PAINT FOR INDUSTRIAL PAVEMENTS

01

Concrete substrate

02

Epoxy-based paint (1st.layer)
EPOXICOLOR INDUSTRIAL

03

Optional: sprinkle
CUARZOFILLER-A
to achieve a non-slip floor

04

Epoxy-based paint (2nd.layer)
EPOXICOLOR INDUSTRIAL

LAYING CERAMIC TILES IN ENVIRONMENTS SUBJECT TO HIGH LEVELS OF CHEMICAL ATTACKS

01
Concrete substrate

02
Protective layer against humidity: polyethylene sheet

03
Mortar with exceptional mechanical properties
TECHMORTAR R60

04
Adhesive
PROFESSIONAL PX

05
Industrial porcelain tiles

06
Grout
PROFESSIONAL PX

07
Self-levelling polyurethane for elastic and anti-acid sealing of expansion joints
SELLAFIX

01
Concrete substrate

02
Protective layer against humidity: polyethylene sheet

03
Mortar with exceptional mechanical properties
TECHMORTAR R60

04
Adhesive
FIXAFLEX GEL

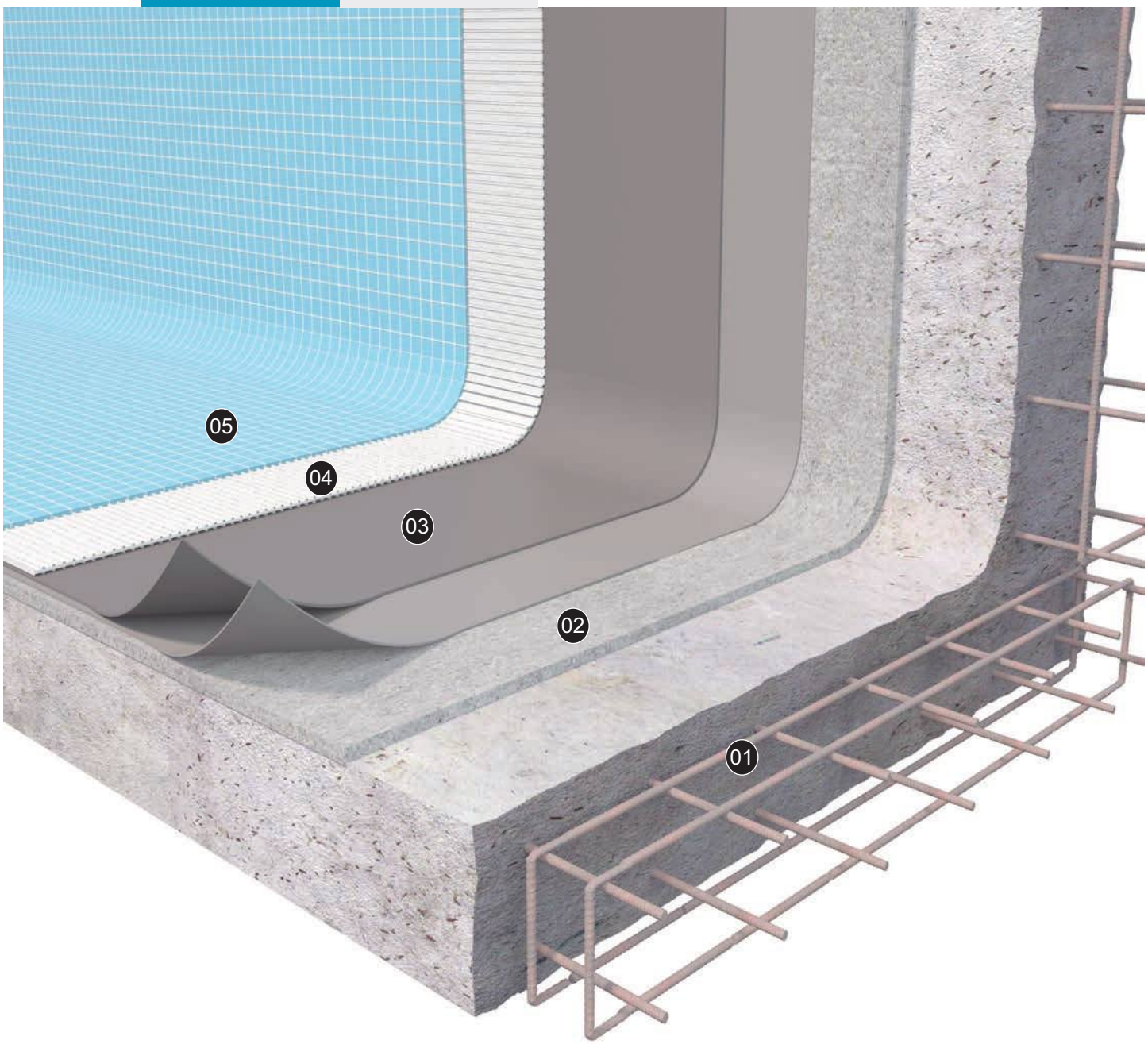
05
Industrial porcelain tiles

06
Self-levelling polyurethane for elastic and anti-acid sealing of expansion joints
SELLAFIX

07
Grout. Choose between:

CERPOXI

PROFESSIONAL PX



01
Dry gunning concrete substrate

02
Screed for walls and floor
FIX-REVOCO

03
Waterproofing
HIDROFIX

04
Adhesive
FIXSET GEL

05
Grouting for pools with traditional chlorination or salt chlorination. Choose between:

PROFESSIONAL PX

IDEAL POOL

IMPERTOT: THE SUPER-FLEXIBLE OPTION. MAXIMUM WATERTIGHTNESS

01
Dry gunning concrete substrate

02
Screed for walls and floor
FIX-REVOCO

03
Waterproofing
IMPERTOT

04
Adhesive
FIXSET GEL

05
Grouting for pools with traditional chlorination or salt chlorination. Choose between:

PROFESSIONAL PX

IDEAL POOL

HIDROELASTIC: HIGHLY SUPER-FLEXIBLE AND SUPER-ELASTIC SOLUTION

01
Concrete substrate

02
Hydroexpanding bentonite joint **FUGA-STOP 25x20mm**

03
Bonding slurry: 1 ut.cement + 1 ut **PRIMFIX**

04
Screed mortar for the floor **RECRECEM PRE-MIX**

05
Screed mortar for the walls **FIX-REVOCO**

06
Waterproofing (1st.layer) **HIDROELASTIC**

07
Elastic and waterproof tape: **BANDA IMPERMEABLE 120/70**

08
Waterproofing (2nd.layer) **HIDROELASTIC**

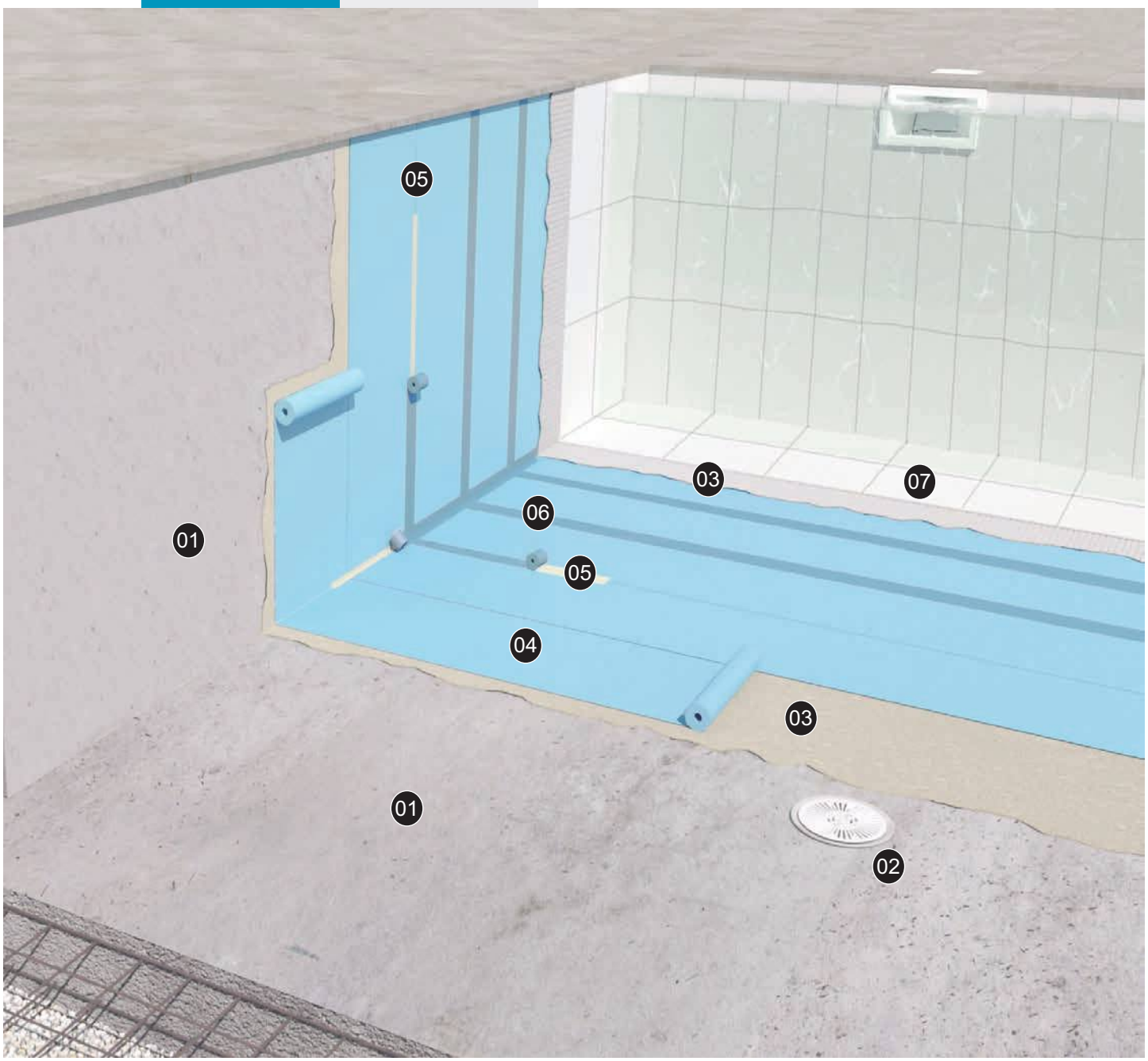
09
Adhesive **TECNOCOL GEL**

10
Grout. Choose between:

CERPOXI

IDEAL POOL

LAMINA PROOF: FOR PENTHOUSE POOLS AND POOLS WITH CRACKS



01
Concrete substrate

02
Sealing the union between concrete-ABS
IMPRIMACIÓN + SELLADOR S10

03
Adhesive
TECNOCOL GEL

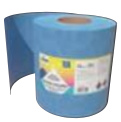
04
Waterproofing. Choose between:

LAMINA PROOF

LAMINA PROOF PREMIUM

05
Monolithic epoxy adhesive
EPOXICOL

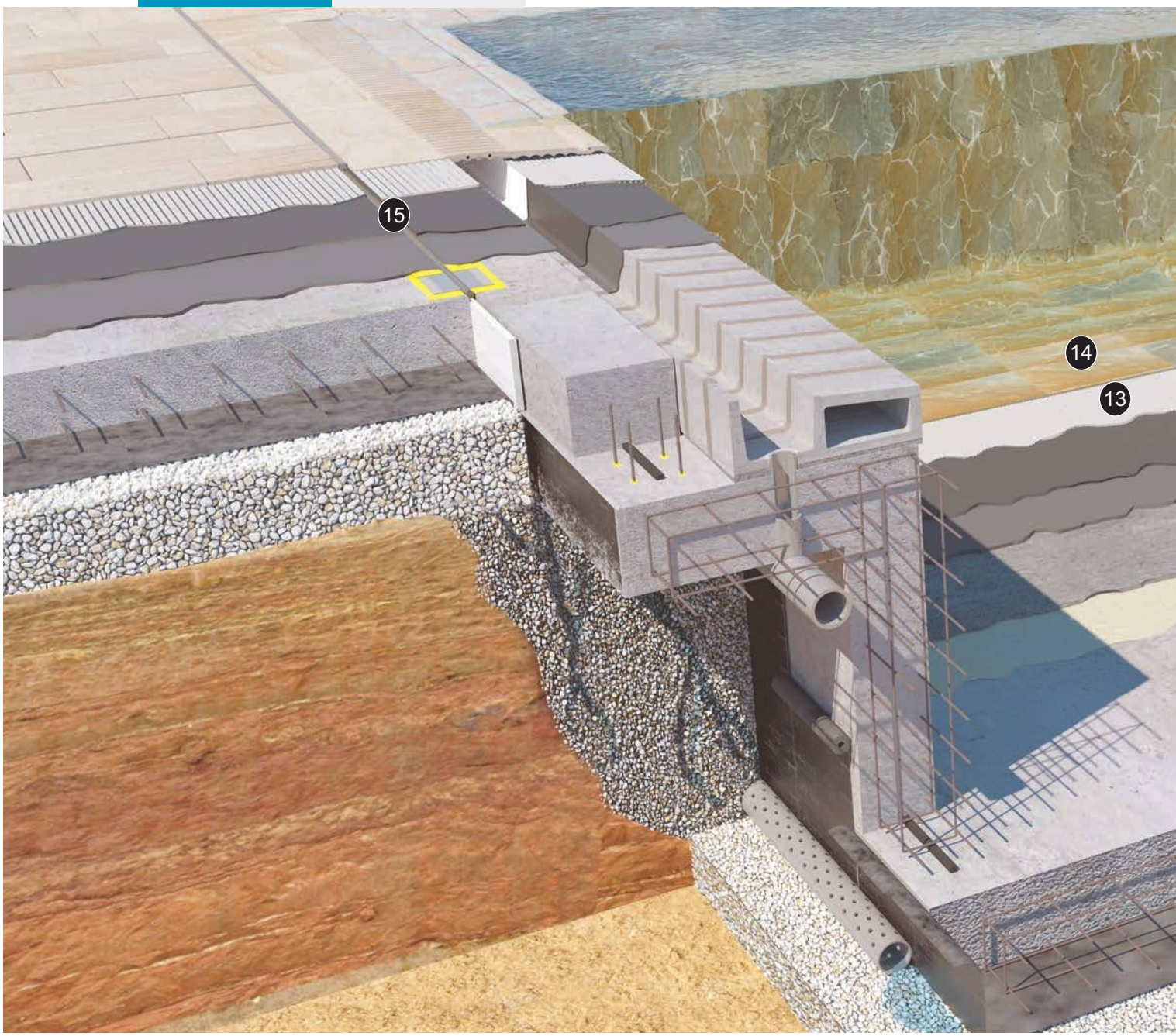
06
Band for the overlaps
BANDA-SOLAPES



07
Grout. Choose between:

CERPOXI

IDEAL POOL



01
Concrete substrate

02
Hydroexpanding bentonite joint
FUGA-STOP 25x20mm

03
Hydroexpanding joint inside the PVC pipe
FUGA-STOP MINI 20x10mm

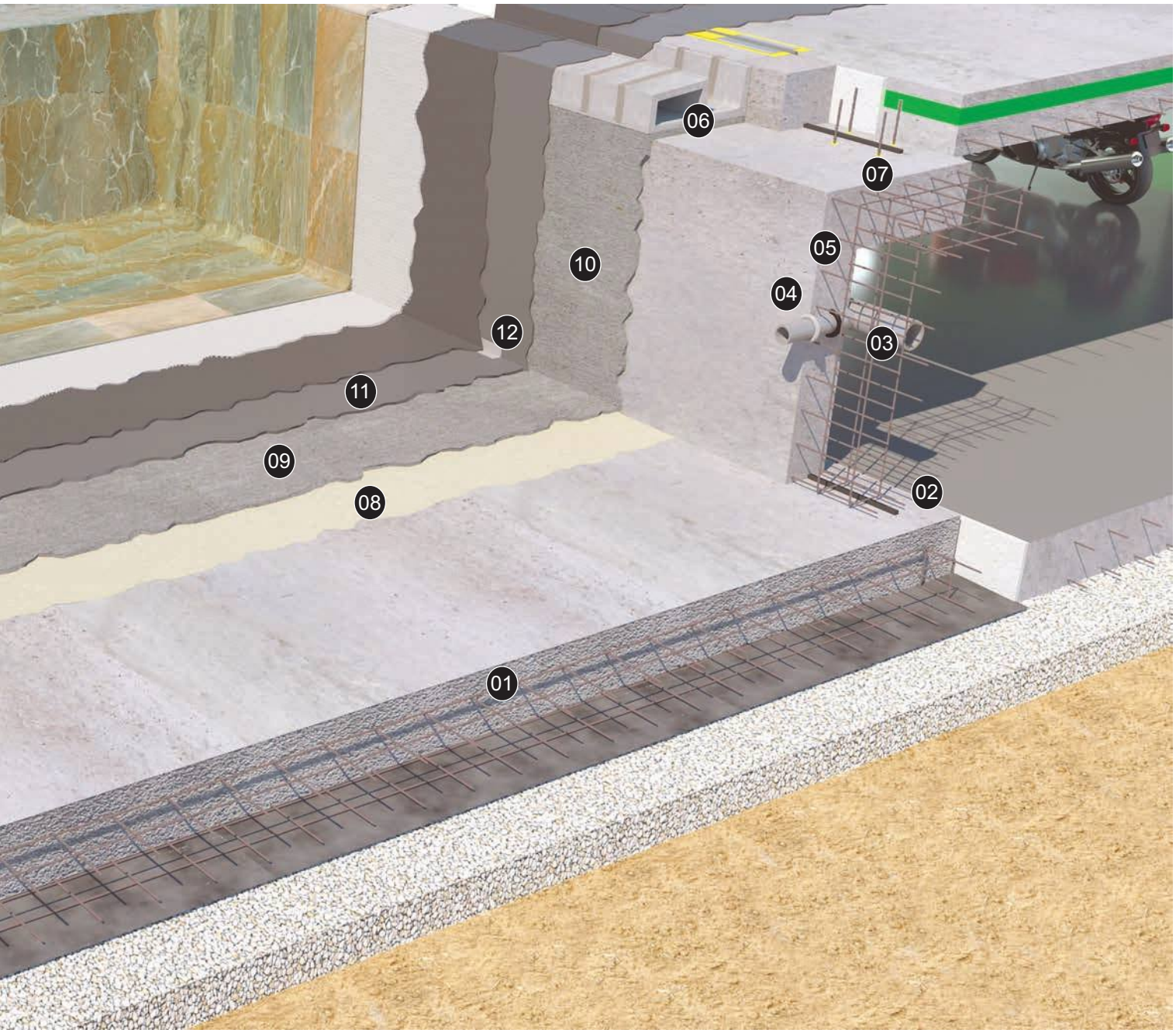
04
Pre-primer for absorbent substrates
IMPRIMACIÓN SELLADOR S10

05
Ultra-elastic, watertight putty
SELLADOR S10

06
S9 bonding mortar
PRIMFIX + M 7.5 mortar

07
Hydroexpansion joint in the wall behind S9
FUGA-STOP MINI 20x10mm

08
Bonding slurry:
1 ut **PRIMFIX** + 1 ut.cement



09

Screed mortar
for the floor
RECRECEM PRE-MIX

10

Screed mortar
for the walls
FIX-REVOCO

11

Waterproofing. Choose between:

HIDROFIX

IMPERTOT

HIDROELASTIC

LAMINA PROOF

LAMINA PROOF PREMIUM

12

Elastic and waterproof tape:
BANDA IMPERMEABLE 120/70

13

Adhesive
TECNOCOL GEL

14

Grouting for pools with traditional chlorination or salt chlorination. Choose between:

CERPOXI

IDEAL POOL

15

Watertight dilatation joint. See page 131

TRIPLE F GEL: IT'S THE 3 IN 1. WATERPROOFING, LAYING AND GROUTING

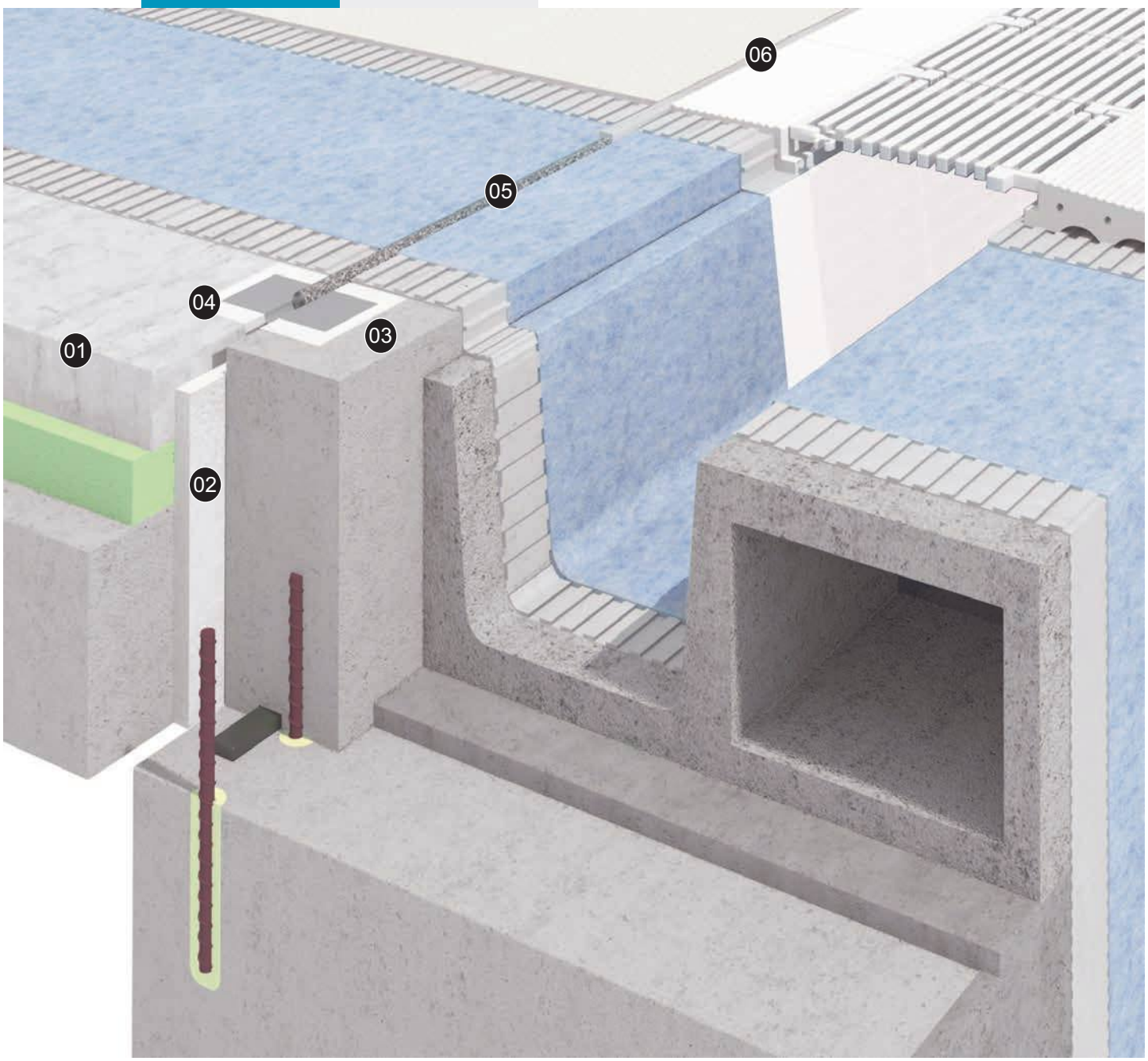
01
Concrete substrate

02
Sealing the union between concrete-ABS
IMPRIMACIÓN + SELLADOR S10

03
Waterproofing
TRIPLE F GEL

04
Adhesive
TRIPLE F GEL

05
Grout
TRIPLE F GEL



01
Concrete substrate

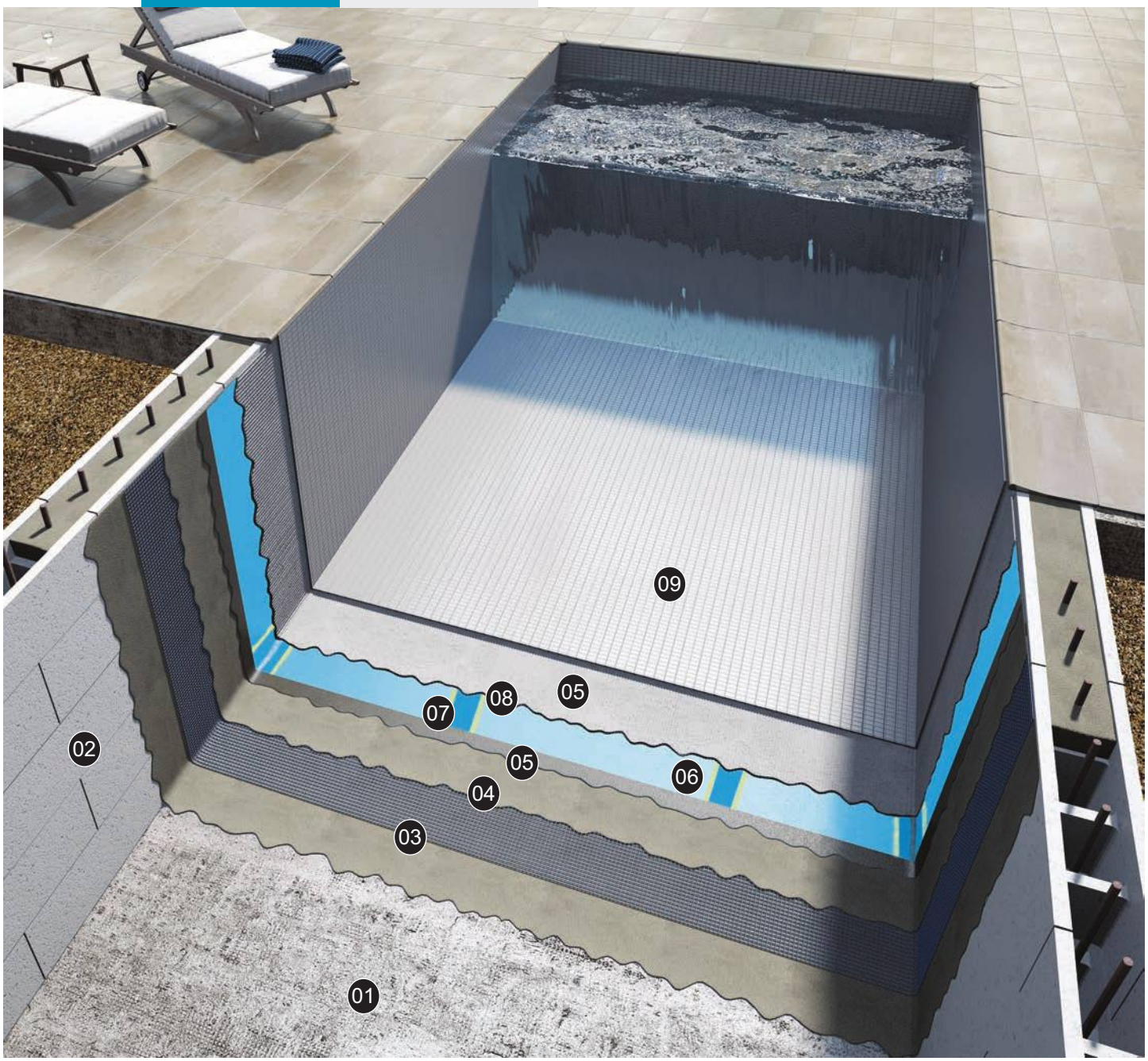
02
Dilatation joint: polystyrene

03
Monolithic epoxy adhesive
EPOXICOL

04
Thermoplastic strip
FIX-TAPE 170mm

05
Elastic sliding insert:
SELLALASTIC FOAM

06
Elastic polyurethane sealant
SELLALASTIC



01
Concrete substrate

02
Expanded polystyrene substrate

03
Base coat (1st.layer)
FIXMAX S2 GEL + NET-MORTER-110

04
Base coat (2nd.layer)
FIXMAX S2 GEL

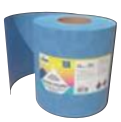
05
Adhesive
TECNOCOL GEL

06
Waterproofing. Choose between:
LAMINA PROOF

LAMINA PROOF PREMIUM

07
Monolithic epoxy adhesive
EPOXICOL

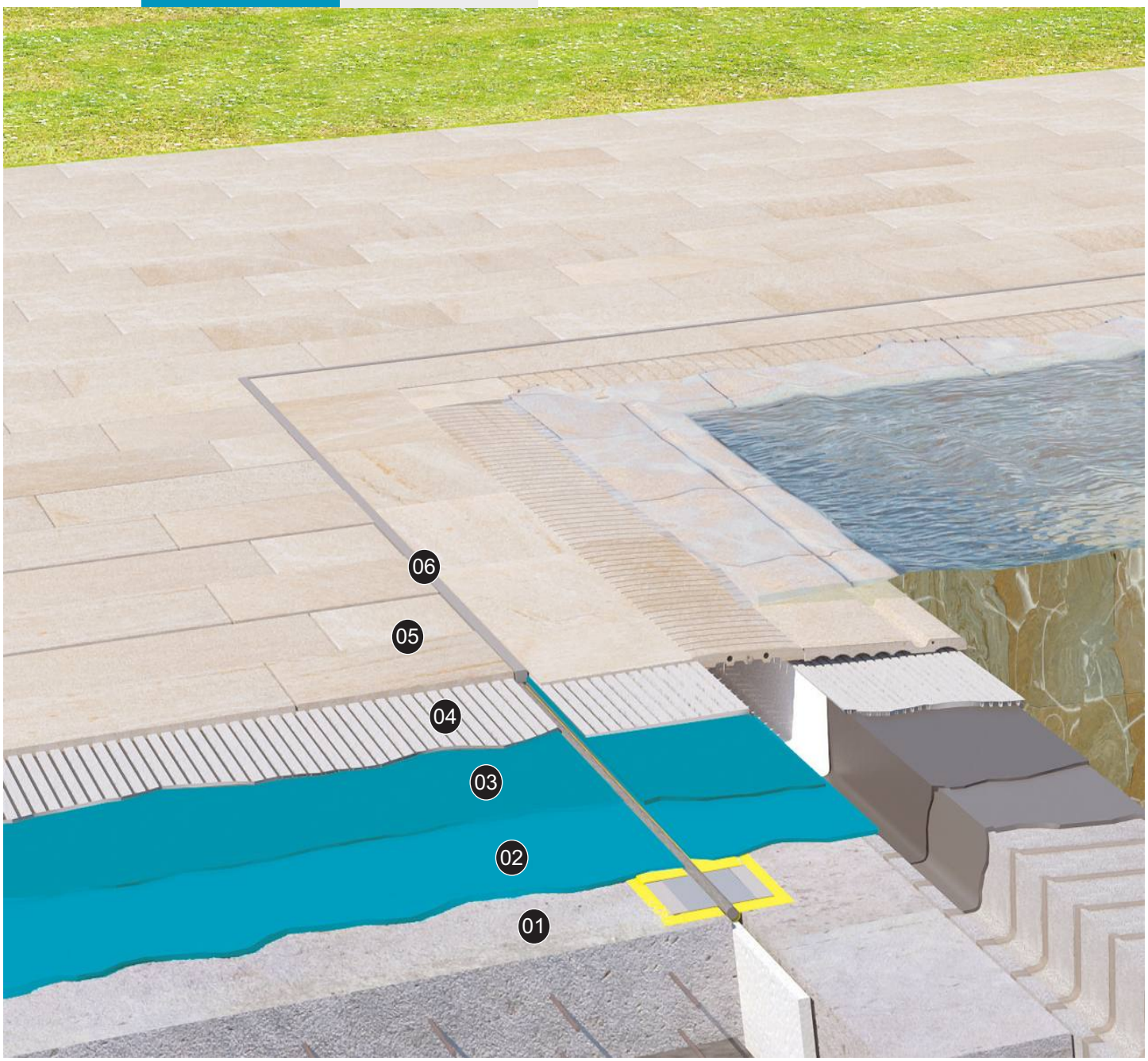
08
Band for the overlaps
BANDA-SOLAPES



09
Grout. Choose between:
CERPOXI

IDEAL POOL

HOW TO WATERPROOF, FIX AND GROUT TILES ON THE POOL DECK



01
Concrete substrate

02
Waterproofing (1st.layer).
HIDROFACIL

03
Waterproofing (2nd.layer).
HIDROFACIL

04
Adhesive
FIXAFLEX GEL

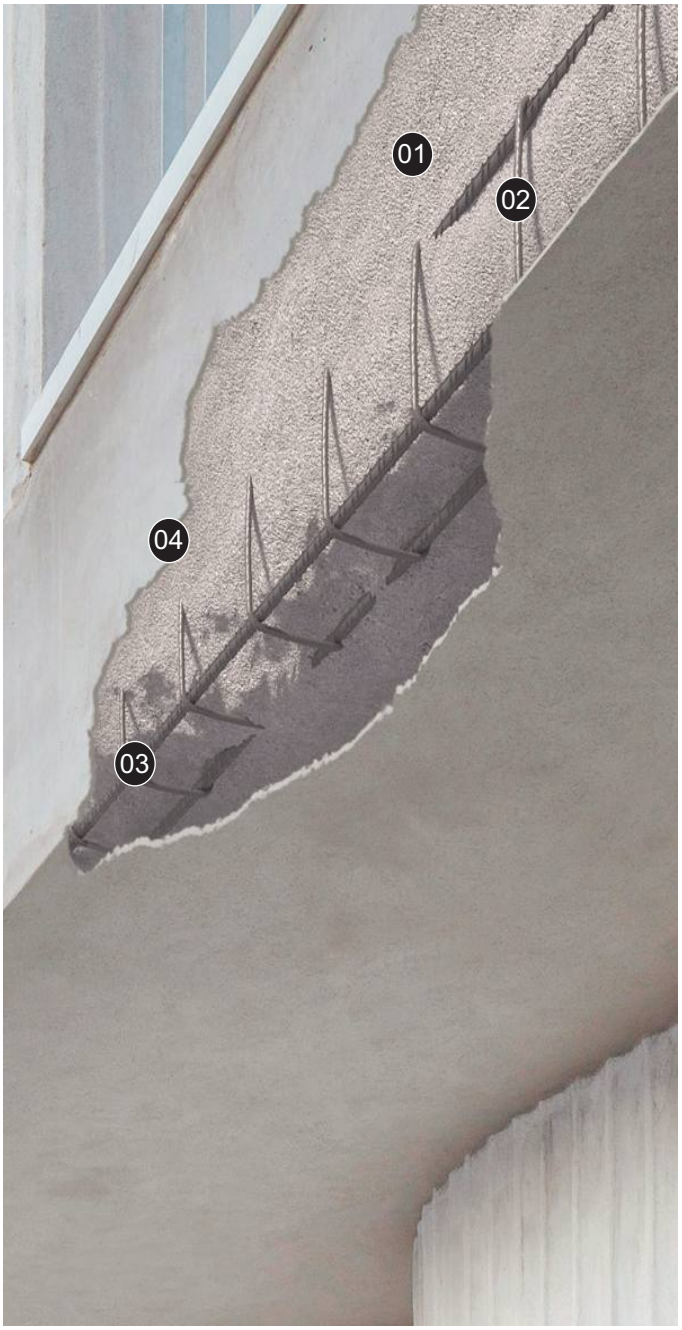
05
Grout. Choose between:

IDEAL COLOR

EUROCOLOR FLEX

06
Elastic polyurethane sealant
SELLALASTIC

ANODIC PASSIVATION OF STEEL REINFORCEMENTS AND APPLICATION OF REPAIR MORTAR



01
Concrete substrate

02
Metallic structure: iron rebars oxidized

03
Anodic passivation of the oxide. Choose between:

ANTI-OXID LIQUID

FIX-REPAR ANTI-OXID

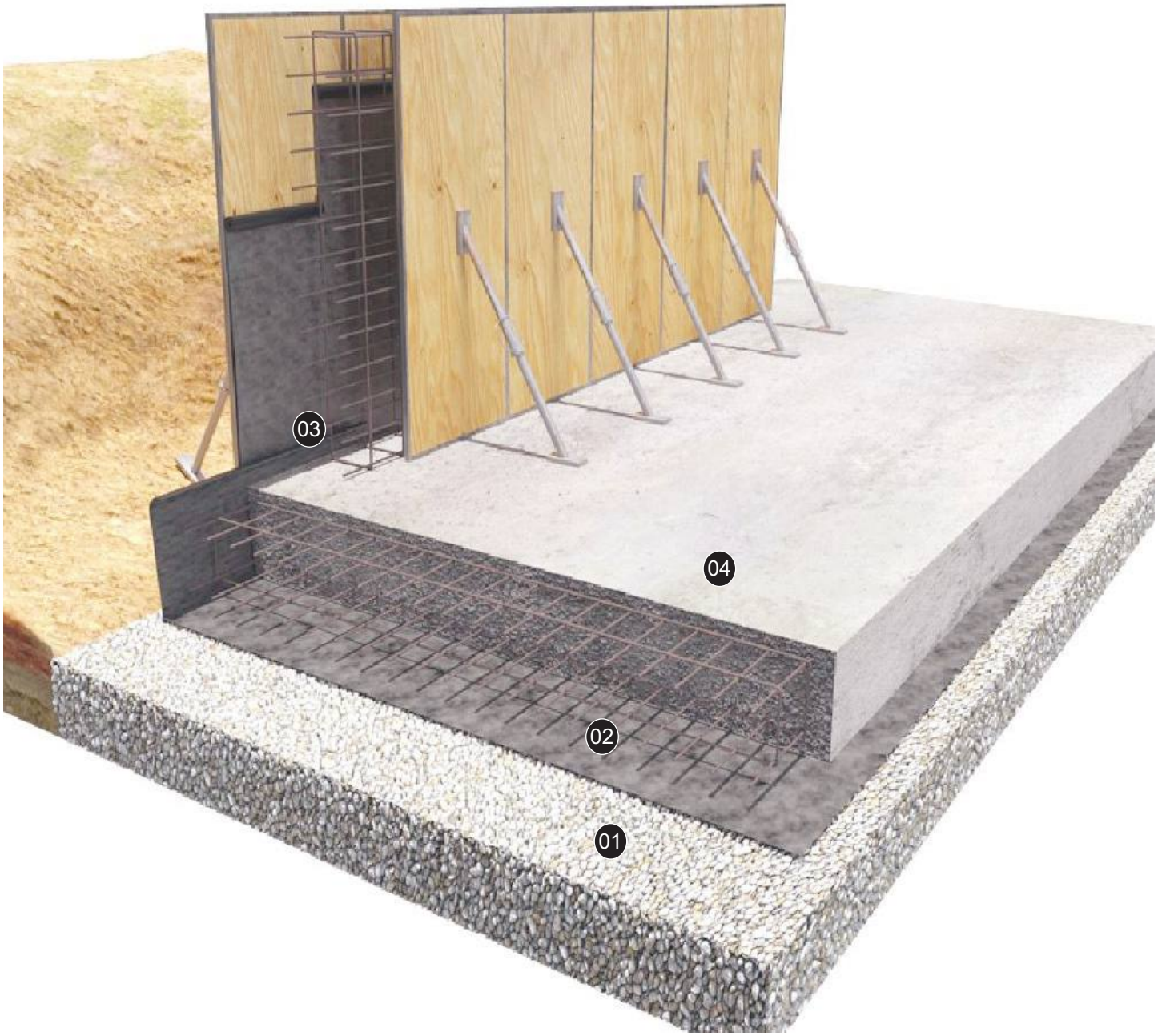
04
Fibre reinforced mortar for repairing.Choose between:

FIX-REPAR R2

FIX-REPAR R4

01

Instant-setting mortar
TAPA-VIAS



01
Compacted gravel base

02
Phreatic waterproofing
LAMINA FREATICA

03
Band for overlaps
TAPE FLEX

04
Concrete base

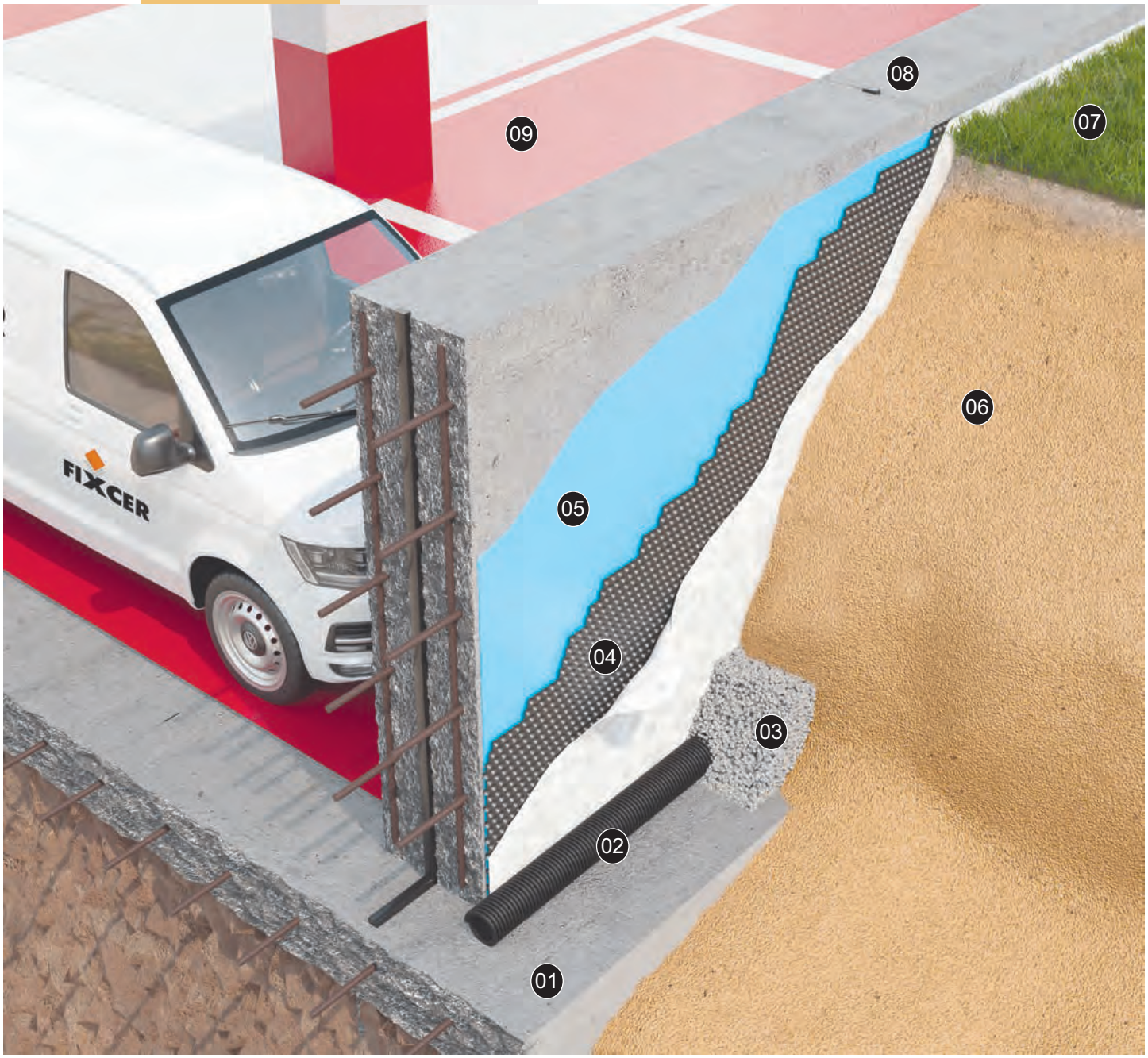
01
Concrete substrate

02
Load-bearing wooden or metal formwork

03
Fast-setting polymeric adhesive
MASTIC MS

04
Hydroexpanding bentonite joint
FUGA-STOP 25x20mm

HOW TO WATERPROOF A BURIED WALL FROM THE OUTSIDE



01
Concrete substrate

02
Drainage tube

03
Gravel

04
Watertight sheet and draining geotextile
DRENANTE-GEOTEXTIL-620

05
Waterproofing.Choose between:
HIDROELASTIC

HIDROFIX

HIDROFACIL

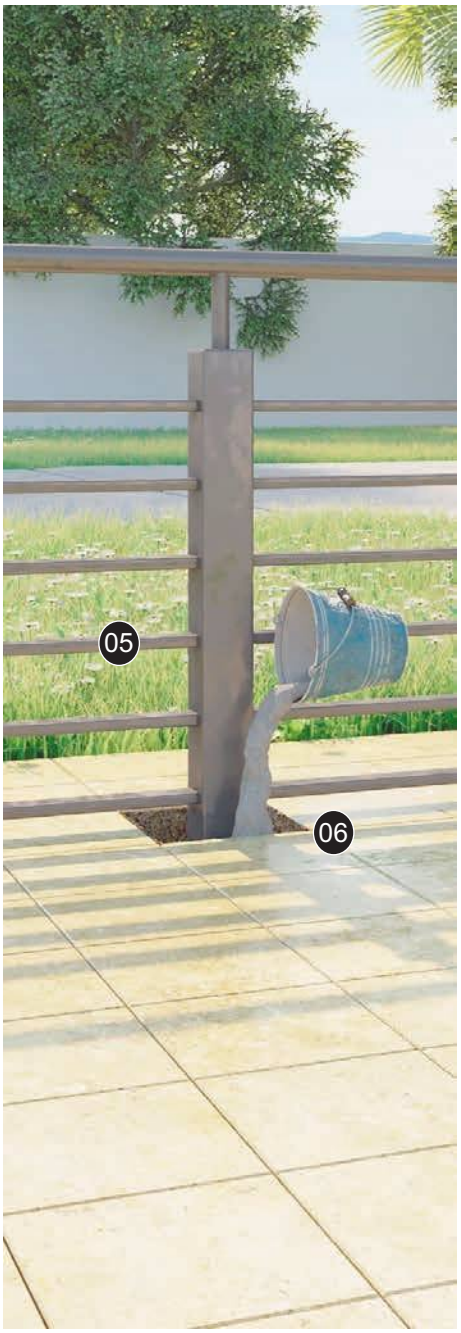
06
Sand

07
Grass

08
Hydroexpanding bentonite joint
FUGA-STOP 25x20mm

09
Epoxy-based paint
EPOXICOLOR INDUSTRIAL

ANCHORING STEEL PILLARS AND HANDRAILS WITH MAXIMUM SECURITY



01
Concrete substrate

02
Steel bolts passivated

03
Metallic structure

04
Mortar for anchoring with maximum security
GROUT S10

05
Handrails

06
Mortar for anchoring with maximum security
GROUT S10

FIXCER

CHEMICAL ADHESIVES AND PRODUCTS FOR CONSTRUCTION

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