

# FIXMAX S2 GEL

**HIGHLY DEFORMABLE cementitious adhesive with GEL texture with EXTRAORDINARY ADHESION. Ideal for outdoor façades. Super light: yields 30% more.**



## WARNING

FIXMAX S2 GEL should not be used:

- ◆ On substrates made of metal, plastic, PVC, rubber, uncured wood, etc. (use **ELASTICER**).
- ◆ To lay tiles with a large thermal dilation coefficient, such as Silestone, on façades or areas with considerable sun exposure (consult with the Tech. Dept.).
- ◆ Out of the admissible temperature range.
- ◆ To lay plating on waterproofing without first consulting with the Tech. Dept.
- ◆ Modifying the original formula in some way.
- ◆ In warmer seasons and outdoors without using the double-pasting technique.

## FIELDS OF APPLICATION:

- ◆ **FIXMAX S2 GEL** was specially designed to **COMPLY WITH THE EN-12.004 STANDARD**. It is highly compliant with this standard, earning the highest mark from the official laboratory, **C2 TE S2**.
- ◆ It is ideal for laying large-format of ceramic tile even 1x3m., both indoors and outdoors, including tiles, stoneware, porcelain stoneware, glass mosaic tiles, etc.
- ◆ It is ideal of adhering natural stone that is not especially sensitive to water.
- ◆ It allows adherence to substrates of plaster, gypsum, drywall, mortar, concrete, prefabricated panels, fibre cement,... radial flooring,... overlapping,... mortar substrates that have not hardened fully,...
- ◆ Its flexible nature means you can use it in places subject to vibrations: supermarkets, industrial areas, airports, high-traffic areas, schools, hospitals, etc.
- ◆ It is ideal for balconies, patios, swimming pools, kitchens, saunas, offices, stadiums, hotels, restaurants,... for everything.

- ◆ Because it is both flexible and adhesive, it is the very definition of an idea cement for laying ceramic tile on **OUTDOOR FAÇADES**: its maximum adhesion guarantees safety and its flexibility, maximum durability.

## TECHNICAL SPECIFICATIONS

**FIXMAX S2 GEL** is a **NEW CONCEPT** in the world of single-component cementitious adhesives: its technical properties set it apart from the rest, making it the best cementitious adhesive around.

**FIXMAX S2 GEL** also exhibits other advantages when compared to a traditional cementitious adhesive:

- when mixed with water, you get **more volume**. That means:
  - less density in the mixture, meaning...
  - that it is easier to mix...
- greater performance per kg of powder: **you use 30% less PRODUCT**.
- lower transport costs..
- high thixotropy: it does not fall/drip...
- **longer open time** and
- more time to adjust the ceramic tile.

## HOW TO USE

### ◆ Substrate:

All substrates should always be resistant, solid and free of dust, paint, wax, oils and grease. They should not be subject to hydraulic shrinkage.

When the substrate is gypsum, drywall or any derived products, it must have less than 0.5% humidity and be free of dust and efflorescence.

### ◆ Preparing the mixture:

Mix each 20 kg bag with clean water until homogenous (5.4-5.8 litres of water per bag); use an electric mixer at a low rpm to prevent the formation of lumps. Let it sit for 2 minutes and remix. The mix will then be ready for use.

### ◆ Applying the mixture:

It is better to use a notched trowel, adjusting the size of the notches depending on the size of the pieces to lay.

You do not need to wet the pieces before laying them.

In difficult or outdoor applications, use the



double-pasting technique. Façades: to adhere pieces larger than 30x30cm or weighing more than 40 kg/m<sup>2</sup>, use an appropriate metal anchor as well. Use the tips of your fingers periodically to make sure that a skin has not formed on the surface. If a skin has formed, re-spread the adhesive with a notched trowel (never wet with water).

Always apply pressure to the tile to ensure that the cement "wets" minimum 80% of the reverse of the ceramic tiles. Tap on the pieces with a rubber mallet. Protect the freshly laid tiles from excessive heat, sub-zero temperatures, rain, etc. for at least 24 hours after their placement.

#### ◆ Sealing the joints:

We recommend the use of a specific material like **FIXCOLOR** (fine or thick grain), **EUROCOLOR FLEX** or **IDEAL COLOR** or **CERPOXI** or **PROFESSIONAL PX**.

Use **SELLALASTIC** or **SILICONA NEUTRA** on the expansion joints.



FIXMAX S2 GEL: maximum adherence and...



...maximum flexibility.

CONSUMPTION:		
Mosaic up to 5x5 cm:	3 mm notched trowel	approx. 1.1 kg/m <sup>2</sup>
Tile up to 20x20 cm:	6 mm notched trowel	approx. 2.3 kg/m <sup>2</sup>
Tile up to 30x30 cm:	8 mm notched trowel	approx. 3.0 kg/m <sup>2</sup>
Tile > 30x30 cm:	10 mm notched trowel	approx. 3.8 kg/m <sup>2</sup>

TECHNICAL SPECIFICATIONS	
<b>STANDARDS</b>	EN-12.004
<b>PRODUCT</b>	
• Type:	C2 TE S2 Improved, normal-drying cementitious adhesive with reduced slippage and additional characteristics: High flexibility.
• Powder density:	1.2 g/cm <sup>3</sup>
• Toxicity:	irritant, avoid contact with eyes and skin.
<b>APPLICATION</b>	
• Mixing ratio:	5.4-5.8 litres / 20 kg bag
• Density of mixture:	1.2 g/cm <sup>3</sup>
• Application temperature:	+ 5°C to + 35°C
• Open time:	30 min.
• Adjustment time:	40 min.
• Pot life:	1 hour
• Slippage:	< 0.5 mm.
• Thickness of layer:	< 15 mm.
• Sealing after:	24 hours
• Ready after:	48 hours
<b>FINAL PERFORMANCE</b>	
• Resistance to humidity:	excellent
• Resistance to aging:	excellent
• Resistance to solvents:	excellent
• Flexibility:	excellent
• Service temperature range:	-30°C to +90°C.
• Initial adherence:	≥ 1.0 N/mm <sup>2</sup>
• Adherence after immersion in water:	≥ 1.0 N/mm <sup>2</sup>
• Adherence after heat aging:	≥ 1.0 N/mm <sup>2</sup>
• Adherence after freezing/thawing cycles:	≥ 1.0 N/mm <sup>2</sup>
• Open time: adherence (30min):	≥ 0.5 N/mm <sup>2</sup>
• Transverse deformation EN 12002:	≥ 5.0 mm
<b>STORAGE</b>	
• In covered, dry, ventilated areas, kept closed in its containers:	12 months
<b>PRESENTATION</b>	
• Supplied in:	20 kg bags in Grey and White