

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.



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 CO₂ or SO₂.
- 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 (+20°C) from the application of **HIDROFIX**, glue the tiles with **FIXSET GEL** or **TECNOCOL GEL** cementitious adhesive.

TECHNICAL DATA

Density	1.2 g/cm ³
Proportion of mix	6.0 L / 25 kg sack
Density of the mixture	1.7 g/cm ³
Temperature of application	from +5°C to +35°C
Pot life	1 hour
Drying time between coats	4 - 5 hours
Waiting time for tiling	24 - 36 hours (+20°C;50%RH)
Initial adhesion	≥ 0.5 N/mm ²
Adhesion after immersion in water	≥ 0.5 N/mm ²
Adhesion after heating	≥ 0.5 N/mm ²
Impermeability	100% (1.5 bar / 7 days)
Resistance to cracking	≥ 0.75 mm (-5°C)
Adhesion after freezing-thawing cycles	≥ 0.5 N/mm ²
Adhesion after immersion in chlorinated water	≥ 0.5 N/mm ²
Consumption (2 coats de 1 mm/coat)	2.5 kg/m ²
Estimated expiration	12 months
Presentation	25 kg

