



HYDROCEM

ONE-COMPONENT CEMENTITIOUS MEMBRANE, CM 01P

USAGE

One-component cementitious membrane, resistant to chlorine and alkalis appropriate as elastic substrate sealant prior to the installation of ceramic tiles and natural stones.

The product features high membrane/substrate and bonding product/membrane adhesion properties. It is suitable for absorbent and/or non-absorbent substrates and both indoor and outdoor surfaces. Ideal for use on roof terraces, balconies, swimming pools, in cement screeds and ceramic tile or natural stone existing floors, as well as on aged concrete.

ADVANTAGES

- Wide mixing water range
- Excellent workability
- High breathability
- Crack bridging
- Lower product consumption compared to similar two-component systems
- Embedded HYTECH® technology that creates a hydrophobic, highly elastic and chemically stable waterproofing membrane.

APPLICATION

The substrate (base) must be clean, firm, without loose parts and free from oil, grease, wax, paint and stagnant water. Absorbent substrates should be wetted with clean water before the product is applied. Attention: Beware of stagnant water. Mix the product with clean water (3.5-4.0 l / 20 kg bag) until it becomes homogenous. Start the mixing with 80% of the water and add more water until the desired consistency is achieved. Apply two layers of the product using a trowel by pressing the paste. Wait for the first layer (thickness ~ 1-2 mm) to dry before applying the second layer (thickness ~1-2 mm). If required, fiberglass net (75-90 g/m²) should be encased in the fresh applied first layer. Minimum overall application thickness: >3 mm. Covering materials should be installed at least 24 hours after the application of the second layer, and not if the paste is not dried total, using C2 adhesive in accordance with EN 12004. Membrane application temperature range: +8 °C to +35 °C

COMPOSITION

Mixture of white cement of high specifications, quartz sand, crushed marble of selected grain size and quality, enriched with polymers and special enhancement additives and minerals.

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TECHNICAL DATA

According to EN 14891:2017 classified as: Cementitious liquid-applied, water impermeable product CM 01P, for all external installations and swimming pools beneath ceramic tiling, (bonded with a C2 adhesive in accordance with EN 12004).

Appearance	Waterproofing, cementitious dry mixture	Color	Light grey
Bulk density	1350 ± 100 g/l	Initial tensile adhesion strength	≥0.5 N/mm ²
Water demand	3.5-4.0 l/bag 20 kg	Tensile adhesion strength after water contact	≥0.5 N/mm ²
Pot life (20°C)	>1 hour	Tensile adhesion strength after heat ageing	≥0.5 N/mm ²
Waterproofing	No penetration	Tensile adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
Crack bridging ability: under standard conditions	≥0.75 mm	Tensile adhesion strength after contact with lime water	≥0.5 N/mm ²
Crack bridging ability: at low temperature (-5°C)	≥0.75 mm	Tensile adhesion strength after contact with chlorinated water	≥0.5 N/mm ²

CONSUMPTION

~1.2 kg/m² per mm of layer thickness.

PACKAGING

In 20 kg paper bags.

STORAGE

12 months from the date of manufacturing, in its intact original packaging. To be stored in a shady and dry place, away from moisture and frost.

REMARKS

HYDROCEM contains cement which is classified as irritant. Consult the safety advises and precautions written in SDS of the product.

REMINDER

Although specifications and instructions outlined in this report were prepared to the best of our ability, knowledge and experience, they must be taken as indicative results and require verification after numerous applications. Intended users of this product must verify its suitability for the planned application. End user is responsible for all results from the product's use.

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