

WATERPROOFING MEMBRANE

ready to use one-component
hydroinsulation mass
for interior and exterior

Sempre[®]

PROPERTIES

- easy to apply
- waterproof
- frost-resistant
- flexible
- covers cracks in the substrate
- high adhesion

APPLICATION

Ready-to-use, single-component compound for use as a waterproofing layer, for jointless sealing of substrates against the damaging effects of moisture and temporary exposure to water. The resulting coating forms a water impermeable, frost resistant, flexible membrane with the ability to bridge cracks below 2mm. For use on typical mineral substrates: porous concrete, brick, aerated concrete, cement and anhydrite primers, cement and cement-lime plasters, cement-fibre boards, plasterboard, chipboard, OSB. Can be used in underfloor heating systems. It has high adhesion to the substrate. Recommended for use before laying ceramic tiles, mosaics, natural stone on horizontal, vertical and sloping surfaces. Cannot be used for sealing surfaces exposed to permanent contact with water (swimming pools, fountains, water rese).

TECHNICAL DATA

Group of products	External complementary materials			
Contains	Acrylic dispersion, titanium white, calcium carbonate, water, additives, preservatives			
Colors	Grey.			
Consumption	Approx. 1.2 kg / m ² wet for two layers, which corresponds to a wet layer thickness of approx. 0.8 mm.			
Parameters	Parameter	Norm	Value	Unit
	Initial tensile adhesion strenght	EN 14891: 2012	≥ 0,5	N/mm ²
	Water tightness	EN 14891: 2012	no penetration	%
	Crack bridging ability under standard conditions	EN 14891: 2012	≥ 0,75	mm
	Durability of initial tensile adhesion against heat ageing action	EN 14891: 2012	≥ 0,5	N/mm ²
	Durability of initial tensile adhesion against water	EN 14891: 2012	≥ 0,5	N/mm ²
	Durability of initial tensile adhesion against contact with limer water	EN 14891: 2012	≥ 0,5	N/mm ²
	Durability of initial tensile adhesion against freeze and freeze-thaw cycles	EN 14891: 2012	≥ 0,5	N/mm ²

The parameters given are mean of the results obtained during the tests. Due to the use of raw materials, actual values may slightly differ from those in the table.

* Consumption depends on the substrate and application technique. The given value is approximate.

USE INSTRUCTION

Substrates	Typical building substrates should be clean, sound, even, load-bearing, grease-free and compact, dry and not susceptible to rising damp, properly seasoned: concrete substrates, plaster and cement screeds at least 28 days and have a moisture content of $\leq 4\%$, anhydrite substrates with a moisture content of $\leq 0.5\%$, plaster and gypsum substrates with a moisture content of $\leq 1\%$. Loose grains and impurities as well as poorly bonded coatings of old emulsion paints should be thoroughly removed. Any irregularities and cavities should be filled with appropriate BUDOMONT ZT-620 levelling mortar.
Priming	New cementitious substrates, highly absorbent substrates, gypsum substrates, anhydrite substrates should first be primed with SEMPRE GRUNT GP deep penetrating primer. After it has dried completely, further work can be started.
Application	In order to achieve a continuous waterproofing seal, the surface sealing should be started by securing vertical and horizontal corners, expansion gaps with a suitable sealing tape and collar applied in the first insulation layer. WATERPROOFING MEMBRANE should be applied evenly in a thin layer, in 2-3 layers, at intervals of 3-4 hours (ambient and substrate temperature during application and drying 20°C and relative air humidity 55%). Low temperatures and increased humidity will prolong the drying time of the product. The second and third coats should be applied crosswise to the previous coat after the previous coat has dried completely. Blend the sealing tapes and collars thoroughly into the first layer of MEMBRANE, while covering them thoroughly with the second layer of MEMBRANE. The thickness of the applied MEMBRANE should be min. 0.8 mm wet (0.5 mm dry). After min. 12 hours after the last layer has been applied, you can start gluing tiles or installing other coverings, both on horizontal and vertical surfaces. For tile installation, SEMPRE FARBY adhesives of class C2 according to EN 12004 are recommended: ELASTICO, FORTE, PRESTO, PREVIO, CERTO.
Dilution	If necessary, dilute the product with water up to 5 %..
Drying	At temperatures of + 20°C and relative humidity of 55%, the drying time of the coating is approx. 3-4 hours. Low temperatures and high humidity lengthen the drying time.
Cleaning tools	Water, immediately after use.

PACKAGE

3,5 kg, 7 kg

STORAGE

Store the product in original, unopened container, in a cool, but frost-free place. The product is not suitable for use after freezing. Expiry date is located on the lid of the container.

SAFETY AND HYGIENE AT WORK/FIRE-PROTECTION

Keep out of reach of children. Non-flammable product. Not classified as dangerous under applicable law. During work, observe basic health and safety rules. In case of contact of the product with eyes, rinse them with plenty of water and then seek medical advice. Use the product as intended. Wash tools immediately with water after use. It is recommended to work in the temperature range from +5 to +25°C. During and after using the product, the room should be ventilated. The room is suitable for use after the characteristic smell disappears.

The manufacturer guarantees the product quality, but shall not be liable in terms of its use. The information herein provided is based on the manufacturer's knowledge resulting from many years of observations. This information cannot however replace professional know-how of the contractor and does not exempt the contractor from complying with the rules of the building art and the safety and hygiene at work, thus do not constitute any legal grounds for the settlement of disputes in court. For further questions or doubts, please contact the manufacturer.