



TREMproof® FCW

Flexible Cementitious Waterproofing Membrane

DESCRIPTION

TREMproof® FCW is a 2 component and flexible cementitious waterproofing coating. It consists of special polymer pre-blended resin and fillers powder with graded fine quartz. TREMproof FCW is water based, non-toxic and non-hazardous.

Mixing of the two component results in a plastic, thixotropic and easily applicable compound, even to vertical surfaces.

BASIC USES

- Waterproof coatings of tanks, containers and water reservoirs, bathrooms, planter boxes, kitchens, ponds and swimming pools etc.
- Floors in garages, on parking areas, environmental decks and on specific roofs (protected) etc.

FEATURES & BENEFITS

TREMproof FCW replaces ordinary cementitious waterproofing screed and rendering in a very effective way:

- Fast setting time.
- Non-toxic.
- Breathable / can be applied on damp surface.
- Excellent adhesion to most common substrates.
- Waterproof.
- Flexible, good elongation properties.

PACKAGING

36KG per set

COLOURS

Grey

COVERAGE

Minimum 2 coats at approximately 1.0 kg/m² per coat

INSTALLATION

- Apply the well-mixed TREMproof FCW slurry with a brush, roller, or rubber squeegee onto the substrate.
- The recommended thickness of the coat to be applied is 1 to 2mm for walls and 1.8mm to 2mm for floors, depending on the expected water pressure.
- The required thickness is achieved by applying 2 layers, taking care that each layer is approximately 1.0 mm.
- Leave the first coating to dry for 2-3 hours before applying the second coat.
- Leave the second coat of TREMproof FCW to cure overnight before proceeding to conduct water ponding test.
- Exposed surfaces must be protected against direct UV-radiation. This can be done with a layer of screed, an Aluminum paint sprinkling of sand or laying of thermal insulation sheets.

LIMITATIONS

- Not to be used as a trafficable or UV stable waterproof membrane.
- Not to be used below grade.
- Do not apply to contaminated surfaces.
- The surface temperature for product application should be between 10°C and 30°C. The curing process will slow down substantially when substrate or ambient temperatures are below 10°C or where relative humidity is >85%.

WARRANTY

Tremco warrants its Membranes to be free of defects in materials but makes no warranty as to appearance or colour. Since methods of application and on-site conditions are beyond our control and can affect performance. Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Membranes. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase of the quantity or Tremco Membranes proved to be defective and Tremco shall not be liable for any loss or damage.

PROPERTY	TEST METHOD	TYPICAL VALUE
Tensile Strength	BS EN ISO 527-2: 2012	1.2 N/mm ²
Elongation at break	BS EN ISO 527-2: 2012	170%
Hydrostatic Pressure Resistance Test for One hour	ASTM D5385/D5385M – 93(2014)e1	The water penetration occurred through the samples at water pressure 10 psi or 68.9 kPa.
Bond of Strength by Pull-Off	BS EN 1542: 1999	0.7 N/mm ² (Cohesive failure)
Pot Life		30 minutes (at 30 °C)
Shelf Life		12 months

PROPERTY	DESCRIPTION
Polymer Characterisation	Polyacrylate styrene
<i>Drying times may vary depending on the surrounding temperature and humidity.</i>	

To find your local office address and contact details, visit

www.tremcocpg-asiapacific.com

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