



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.

| TYPICAL PHYSICAL PROPERTIES | |
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| PROPERTY | DESCRIPTION |
| Polymer Characterisation | Polyacrylate styrene |
| Appearance | Part A: White liquid Part B: Grey powder Part A + B (mixed): Grey slurry |
| Density | 1.80 – 1.90 kg/ltr freshly mixed mortar |
| Tensile Strength (ASTM D412-16) | > 1.0 MPa |
| Elongation (ASTM D412-16) | > 100% |
| Adhesive Strength (ASTM D4541) | > 0.60 N/mm ² |
| Water Penetration (DIN 1048-5:1991) | No water penetration at 0.2 kgf/cm ² for 12 hours |
| Pot Life | ~30 minutes (at 30 °C), the pot life will be shorter at higher temperature. |
| Shelf Life | 12 months from the date of production |

To find your local office address and contact details, visit

www.tremcocpg-asiapacific.com

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