

PRODUCT DESCRIPTION

TREMproof® 53 is a high-solid, VOC- compliant, polyurethane waterproofing membrane. It is a single component moisture curing elastomer that is suitable for applications to horizontal and vertical surfaces.

BASIC USES

TREMproof® 53 is suited for waterproofing in plaza decks, roof terraces, pedestrian concourses, podiums, toilets, kitchens, parking garages, planter boxes, swimming pools, backfilled walls, basement walls and split slabs, primarily on concrete and masonry. It can also be used for detailing cracks, joints, transitions, and terminations.

FEATURES AND BENEFITS

- Single Component
- Ease of Application
- Excellent Adhesion to Substrate
- Highly Flexible
- Confirms to ASTM C836

AVAILABILITY

Please contact Tremco India Pvt. Ltd. for your project requirements.

PACKAGING

25 Kgs Metal Pail, Colour: Grey

SHELF LIFE & STORAGE

Protect from moisture. Store on a skid or pallet and cover with polyethylene or tarp. Do not double stack pallets. Shelf life is 09 months when stored properly in unopened packaging. Once the metal pail is opened, it should be consumed within 24 hours.

COVERAGE RATES

Approximately 1.4 Kgs/Sqm to achieve 1 mm DFT.

LIMITATIONS

- Not for use in submerged or gas vapor conditions.
- Do not apply it to damp or contaminated surfaces.
- Not to be used as an exposed or wearing surface.
- Not approved for direct contact with asphalt-based products.
- Use with adequate ventilation.
- Contact us for compatibility information and job-specific recommendations on tie-in and termination details.

WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. 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 Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Product proven to be defective, and Tremco shall not be liable for any loss or damage.

BASIC APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION & EDGE DETAILING

- Concrete shall be of 20 MPa min. compressive strength prior to application. Concrete Moisture content < 4.0% recommended.
- All surfaces must be structurally sound, free of dirt, grease, oil, release agents and or other contaminants.
- All surface imperfections, non - structural cracks etc. should be repaired with an appropriate repair mortar to provide a relatively uniform surface.
- Active water ingresses / leaks, through cracks and voids need to be plugged using our TREMproof® Inject Range of Polyurethane Injection Resins, prior to application of TREMproof® 53.
- Apply TREMproof Primer to the prepared concrete surface at a consumption rate of 200 to 250 Grams / Sqm. Allow it to cure for 6 to 8 hours before application of TREMproof 53.
- Apply TREMproof® 53 membrane at a maximum consumption rate of 800 to 900 Grams / Sqm to provide 0.5 to 0.6mm WFT in each coat. Ensure inter-coat time of 12 to 18 hours in each subsequent coat.
- Do not apply TREMproof® 53 to damp concrete / freshly de-shuttered (green concrete) surfaces, if application is to be done before the concrete is cured for 28 days, use TREMproof® 250GC instead.
- Install Polymer Modified Mortar or Dymonic® 100 coving at all horizontal, vertical interfaces to ensure smooth transition of the membrane.
- Moving structural cracks greater than 1.6 mm shall be routed and caulked with Dymonic® 100, followed by a 1.5 mm detail coat of TREMproof® 53 extending a minimum of 7.5 cm on either side of the crack.
- Loosely lay minimum 150 GSM geotextile separation layer over fully cured TREMproof 53 membrane and provide protection screed of minimum 20 MPa at 1:100 slope with control joints in it filled with Dymonic 100 sealant.

An approved protection course or drainage mat may be placed as soon as the membrane is a firm rubber.

- For Detailed Application Instructions and detailing advice for various applications, please refer to TREMproof® 53: Application Instructions.

TYPICAL TECHNICAL PROPERTIES

Property	Test Method	Values
Solids	ASTM C 836	90%
Low Temperature Crack Bridging	ASTM C1305	Pass
Adhesion to Concrete	ASTM D4541	> 1.5 MPa
Recommended Thickness		1.5 mm
Tensile Strength	ASTM D412	> 2.5 MPa
Elongation	ASTM D412	> 500%
Shore A Hardness	ASTM D 2240	60 + 5
Resistance to Root Penetration	CEN TS 14416	Pass
Crack Bridging	ASTM C 1305	2mm
Water absorption		<1%

Please contact us at india@tremcocpg.com to confirm the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification & Labelling of Chemicals (GHS) requirements.

Waterproofing | Sealants | Glazing Aids | Firestopping

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