

Product Description

TREMproof® 240MT is a 2-component fast curing, heat resistant hybrid Urethane waterproofing coating. TREMproof® 240MT is a low viscosity, highly penetrative coating that forms a flexible membrane after curing, making it highly suitable for all types of waterproofing applications. In addition to adhering to almost any solid substrate, TREMproof® 240MT is also suitable for wet and damp applications.

Basic Uses

TREMproof® 240MT can be used for:

- Roofs, terraces and balconies • Planter boxes
- Swimming pools • Water reservoirs • Retaining walls
- Metal profile sheets
- onto existing Bitumen membranes
- Lift pits and buried concrete structures.

Features and Benefits

- Good Flexibility
- Durable: Resistant to UV degradation
- Excellent adhesion on wet and damp substrates
- High resistance to the ingress of water and vapor
- Low VOC: Non-hazardous and environmentally friendly
- Reduces the substrate temperature by up to 10°C.
- Fast curing time (60mins @ 25°C). Can be subjected to foot traffic and external weather conditions after the coating achieves its initial curing.
- Compatible with Tremco sealants, coatings, and expansion joints, which is essential for tie-ins, detailing and penetrations.

Availability

Immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, contact StonCor Middle East

Surface preparation

Concrete Surface: Loose and unsound concrete should be chipped off and repaired with a suitable polymer modified repair mortar. Sharp edges and protrusions should be levelled off. Use of a suitable industrial grade detergent or degreasing compound is recommended to remove all contaminants like oil, grease, wax etc. from the substrate. Metal Surface: Traces of rust shall be removed. Completely rusted surface shall be replaced. Ensure all joints are riveted properly.

Mixing

Pour the contents of Part B into the Part A container and mix thoroughly with a proprietary paddle mixer fitted to a drill for 2 to 3 minutes till a homogenous consistency is achieved.

Application Instruction

Application procedure may vary slightly depending upon the site conditions. The general recommended guidelines for the application of the coating systems are as follows:

Concrete Roof (Subject to Traffic):

TREMproof® 240MT shall be applied in three coats with fiber mesh or geotextile reinforcement embedded into the coating for optimum performance. This includes Primer coat (200-300 microns), First coat (0.65 L/m²) with reinforcing mesh & Second coat (0.65 L/m²)

Concrete Roof (Non-Traffic):

TREMproof® 240MT shall be applied in three coats for optimum performance: This includes Primer coat (200-300 microns), First coat (0.65 L/m²) & Second coat (0.65 L/m²)

Metal/Non-Porous Roof Sheeting/Coating (Non-Traffic):

TREMproof® 240MT shall be applied in two coats with an overall coverage of 1.5 L/m² for optimum performance:

First coat (0.75 L/m²)

Second coat (0.75 L/m²)

Note:

For roofs subject to regular traffic, full-area reinforcement with fiber mesh is required.

For non-traffic roofs, reinforcement is only required in joints, seams, penetrations, etc.

Coverage rates

1.5 Lt/m²/mm thickness

Limitations

- TREMproof® 240MT should not be applied when the ambient temperature and material temperature is >45°C. Doing so will affect the open time.
- Application should not be done when rainfall is imminent.
- Do not apply over light weight concrete or foam concrete.
- Contact your local Tremco Sales Representative or Tremco Technical Services for compatibility information and job-specific recommendations on tie-in and termination details.

Cleaning

Clean all tools immediately with water after use. Hardened materials can be removed mechanically only.

Packaging

20 litres (Part A 19 litres pail, Part B 1 litre can)

Storage

Store under cover, out of direct sunlight and protect from extreme temperatures. The shelf life is up to 12 months when stored as per recommendations and in unopened conditions.

TREMproof® 240MT Hybrid Urethane Waterproofing

Properties	Test Method	Value
Color	-	White/Grey#
Mixed density, (g/l)	ASTM D 1475	0.7±0.05
Solid content, (%)	ASTM D 1644	70±2
VOC, (g/l)	USEPA 24	<10
Tensile strength, (N/mm ²)	ASTM D 412	≥1
Elongation, (%)	ASTM D 412	≥175
Pot life, (Hrs.)	-	6
Touch dry time, (mins)	-	25
Initial curing time, (mins)	-	60
Final Curing time, (Hrs.)	-	7
Shore A Hardness	ASTM D 2240	35
Solar reflectance, (%)	ASTM E 1549	≥75
Heat Resistance, (°C)	In House Method	Reduction of up to 10° on coated surface
Water Vapor transmission, (perms)	ASTM E 96	5
Adhesion strength, (N/mm ²)	ASTM D 4541	≥2.5
Crack bridging ability, (mm)	ASTM C 836	≥3 (cohesive failure of concrete)
Application temperature, (°C)	-	5 to 45
Service temperature, (°C)	-	-5 to 70

All Values are subjected to 5 to 10% variations.

Other colors on request.

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 Products proven to be defective, and Tremco shall not be liable for any loss or damage.

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