Tremgard MTX

High Strength Fast Curing Hybrid Urethane Waterproofing Coating

FEATURES

Good resistance to ingress of water and vapour
Excellent adhesion on wet and damp substrates
Low VOC
Resistant to UV degradation
Good flexibility
Fast curing time (60 minutes at 25°C)

BENEFITS

- Non-hazardous and environmentally friendly
- Can be subjected to foot traffic and external weather conditions after the coating achieves its initial curing

DESCRIPTION

Tremgard MTX is a high strength, two component, fast curing hybrid urethane waterproofing coating. Tremgard MTX is a low viscosity, highly penetrative coating which, upon curing, forms a flexible membrane, making it highly suitable for all types of waterproofing applications on all types of substrates. Tremgard MTX has excellent adhesion on all substrates and can also be applied on wet and damp surfaces.

BASIC USES

Tremgard MTX is used for waterproofing of:

- Metal profile sheets
- Existing Bitumen membranes
- On top of PU insulation
- Roofs, terraces and balconies

PACKAGING

20 litre kit (Part A: 19 litres; Part B: 1 litre)

COLOUR

Grey (Pastel colours on order)

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 containers.

APPLICATION

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

Tremgard MTX shall be applied in a minimum of 2 coats. Critical areas like pipe penetrations and corner joints shall be treated first. Apply the first coat of Tremgard MTX with a brush on all corners and around the pipe penetrations extending up to 200mm on either side. A fibre mesh / geotextile fleece shall be embedded into the coating whilst it is still in a wet condition. Apply a second coat over it after the previous coat dries off, ensuring that the reinforcing membrane is fully saturated. Then first coat of Tremgard MTX shall be applied on all other areas with a brush or roller at a coverage rate of 0.75 litres/m^2. The second coat shall be applied after the first coat dries off completely and at right angles to the first coat.

PREPARATION

Concrete Surfaces: 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. Thoroughly rinse with clean water to remove all traces of detergent.

Metal Surfaces: Traces of rust shall be removed. Completely rusted surface shall be replaced. Ensure all joints are riveted properly.

PU Foam Surfaces: Clean the surface of all accumulated dust and remove all loose particles.

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 until a homogenous consistency is achieved.

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COVERAGE RATES

Wet areas – 2 coat application at 1.31m²/litre at 570µm DFT per coat (760 WFT)
Damp proofing – 1 coat application at 1.31m²/litre at 570µm DFT (760 WFT)

TEMPERATURE RECOMMENDATIONS

- Tremgard MTX should not be applied when the ambient temperature and material is >45°C. Doing so will affect the open time.
- Application shall not be done when rainfall is imminent.

CURE TIME

Touch Dry	25 Minutes
Initial Cure	60 Minutes
Full Cure	24 Hours

SPRAY EQUIPMENT RECOMMENDATIONS

Airless Spray Equipment:

Pump Ratio	45:1 (min)
GPM Output	2.5 (min)
Material Hose	10mm I.D.
Whip Hose	High pressure 6.35mm I.D.
Tip Size	0.023 to 0.029
Output PSI	2500 psi
Filter Size	Remove
Conventional Spray	Self-agitating pressure pot, 0.8 to 2mm nozzle tip, ¼" Hose (10 to 12mm), high pressure, 2500 psi

CLEAN-UP

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

LIMITATIONS

Do not apply over lightweight concrete or foam concrete.

PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Mixed Density (g/l)	ASTM D1475	1.1 ± 0.05
Solid Content (%)	ASTM D1353	75% ± 2%
Pot Life (hrs)	-	6
VOC (g/l)	USEPA 24	<10
Tensile Strength (N/mm²)	ASTM D412	≥2.5
Elongation (%)	ASTM D412	≥350
Tear Strength (N)	ASTM D624	≥25
Solar Reflectance (%)	ASTM E1549	≥75
Shore A Hardness	ASTM D2240	45
Water Vapour Transmission (perms)	ASTM E96	6
Crack Bridging Ability (mm)	ASTM C836	≤4
Application Temperature (°C)	-	5 to 45
Service Temperature (°C)	-	-5 to 70

PRECAUTIONS

Caution should be exercised while applying the product as it is with any other construction chemical. Protective gloves and safety glasses should be used when handling these products. If accidental eye contamination occurs, wash thoroughly with plenty of water and seek medical advice. If contact with skin occurs, it must be removed before curing takes place.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service staff, can help analyse conditions and needs to develop recommendations for special applications.

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