

SR COAT MTX

High Strength Fast Curing Hybrid Urethane
Waterproofing Coating

PRODUCT DESCRIPTION

SR Coat MTX is a high strength, 2-component fast curing, hybrid Urethane waterproofing coating. SR Coat MTX is a low viscose 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. SR Coat MTX has excellent adhesion on all substrates and can also be applied on wet and damp surfaces.

RECOMMENDED APPLICATION

SR Coat MTX is used for waterproofing on the following:

- Planter boxes
- Swimming pools
- Water reservoirs
- Retaining walls
- Metal profile sheets
- On top of PU insulation
- Existing Bitumen membranes
- Roofs, terraces, and balconies
- Lift pits and buried concrete structures
- Wet areas, water features like fountains

PRODUCT FEATURES

- Good Flexibility
- High resistance to abrasion
- High mechanical properties
- Durable: Resistant to UV degradation
- Excellent adhesion on wet and damp substrates
- Good resistance to the ingress of water and vapor
- Low VOC: Non-hazardous and environmentally friendly
- Fast curing time (60mins @ 25 °C). Can be subjected to foot traffic and external weather conditions after the coating achieves its initial curing.

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. PU Foam Surface: Clean the surface of all accumulated dust and remove all loose particle. Bitumen Membrane: Clean the surface of all loose mineral slates, accumulated dust, oil stains.

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

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

SR Coat MTX shall be applied in minimum of 2 coats. Critical areas like pipe penetrations and corner joints shall be treated first. Apply the first coat of SR Coat 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. Then first coat of SR Coat MTX shall be applied on all other areas with a brush or roller at a coverage rate of 0.75 L/m². The second coat shall be applied after the first coat dries off completely and at right angles to the first coat.

The shelf life is up to 12 months when stored as per recommendations and in unopened conditions. Store away from direct sunlight and protect from extreme temperature.

STORAGE

TECHNICAL DATA

PROPERTIES	TEST METHOD	TEST RESULT
Color	-	White/Grey#
Mixed density, (g/l)	ASTM D 1475	1.1 ± 0.05
Solid content, (%)	ASTM D 1353	65 ± 2
Pot life, (Hrs.)	-	6
VOC, (g/l)	USEPA 24	< 10
Touch dry time, (mins)	-	25
Initial Cure time, (mins)	-	60
Full cure, (Hrs.)	-	24
Tensile strength, (N/mm ²)	ASTM D 412	≥ 2.5
Elongation, (%)	ASTM D 412	≥ 350
Tear strength, (N)	ASTM D 624	≥ 25
Solar reflectance, (%)	ASTM E 1549	≥ 110
Shore A Hardness	ASTM D 2240	45
Water Vapor transmission, (perms)	ASTM E 96	6
Adhesion strength, (N/mm ²)	ASTM D 4541	≥ 3 (cohesive failure of concrete)
Crack bridging ability, (mm)	ASTM C 836	≥ 4
Application temperature, (°C)	-	5 to 45
Service temperature, (°C)	-	-5 to 70

All values given are subject to 5 – 10% tolerance

Other colors on request

LIMITATIONS

- SR Coat MTX should not be applied when the ambient temperature and material temperature is > 45°C.
- Doing so will affect the open time. Application shall not be done when rainfall is imminent.
- Do not apply over light weight concrete or foam concrete.

RECOMMENDED THICKNESS

- 1.5 L/m²/mm thickness
- Wet areas – 2 coat application at 0.75 L/m² per coat
- Damp proofing – 1 coat application at 0.75 L/m² per coat
- Areas subjected to hydrostatic pressure – Pls refer to our detailed method statement of application

PACKING

20 L Kit (Part A: 19 L. Pail, Part B: 1 L can)

COLOUR

White and Grey

CLEANING

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

HEALTH & SAFETY

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.

Notes:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. Information on this datasheet is subject to change without notice and should not be used for writing specification. For additional information on specific applications, please contact Smart Insulation Finishing System LLC. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience, as materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product. SIFS reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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