

## PRODUCT DESCRIPTION

TREMGard STX HP is a single-component premium quality, flexible, hybrid polyurethane based, waterproofing and protective coating ideal for roof, wet and exposed surfaces applications. The coating upon full cure forms a tough, resilient yet flexible coating.

## APPLICATIONS

- Exposed roofs both flat and sloped
- Corrugated metal sheets and aluminum sandwich panels
- Wet areas such as toilets, kitchens and public showers
- Metal profile roofs and asbestos roofs
- Terraces, balconies, domes and patios
- Vertical & Horizontal exposed concrete surfaces

## FEAUTURES / BENIFITS

- Tough yet highly flexible.
- Excellent durability, resistant to UV and weathering effects and does not lose its properties over time.
- High mechanical properties
- Seamless
- Abrasion resistant
- Chemical resistance against sulphates, chlorides, bacteria, oil and common fuels.
- Low VOC: Non-hazardous and environmentally friendly
- Excellent crack bridging ability
- High solar reflectance, SRI 115 for white
- Water vapour permeable
- Moisture and Water resistant

## AVAILABILITY

Contact local StonCor Middle East sales representative.

## PACKAGING

20kg Pail

## SHELF LIFE

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.

## PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Colour	-	White/Grey/Black
Appearance	-	Vicious Liquid
Density	ASTM D1475	1.29 ± 0.05 g/l
Solid Content	ASTM D1644	63 ± 2 %
Hydrostatic Head	BS 12390-8	Nil @5 bar
Initial Cure	-	12 - 24 hours
Full Cure	-	7 Days
Elongation	ASTM D412	> 400 %
Tensile Strength	ASTM D412	≥ 3.0 N/mm <sup>2</sup>
Solar Reflective Index (SRI) - White	ASTM E1980	≥ 115

VOC content	ASTM D3960/ASTM D2369	Negligible
Low Temperature Flexibility	UEAtc	-5 °C
Adhesion Strength	ASTM D4541	≥ 1.80 N/mm <sup>2</sup>
Crack Bridging Ability	ASTM C 836	≥ 1.5 mm
Shore A Hardness	ASTM D 2240	50-60
Application Temperature	-	+10 to +45°C
Service Temperature	-	-5 to +70°C

All values are subjected to 5% - 10% variations, tested under standard laboratory conditions.

## COVERAGE

- 0.85 Kg/m<sup>2</sup> @ 0.4mm DFT. A total of 0.8mm thickness will be achieved in two coats.

## LIMITATIONS

- Application shall not be done when rainfall is imminent.
- Do not apply over light weight concrete or foam concrete.
- TREMgard STX HP should not be subject to permanent immersion or permanent ponding water.

## HEALTH AND SAFETY

As with all construction chemical products caution should always be exercised. Protective gloves and safety glasses should be used when handling these products. Any splashes to skin or eyes, wash thoroughly with plenty of water and seek medical advice.

## TECHNICAL SUPPORT

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

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