

Description

SuperTene® is a self-adhesive SBS (Styrene Butadiene Styrene) modified Bituminous pre-formed waterproofing membrane with high density polyester film on one side and easy-to-peel silicon film on the other side. It is applied over concrete as a waterproofing membrane and over metals as an anti-corrosive barrier for protection of UG pipelines. **SuperTene®** is also available in aluminium finish top.

Product Information

Chemical Base	SBS modified membrane
Handling & Storage	SuperTene® must be stored in a shaded area on wooden pallets, neatly covered by thick fabric and tied securely in a manner that will ensure there is no excessive exposure to sunlight. Do not stack pallets one above the other.
Packaging	Rolls are available in 1 m x 20 m in 1.5 & 2 mm thicknesses. (Tolerance: +/- 1%)
Shelf Life	12 months when stored as per recommendations.
Handling Precautions	The membrane is non-hazardous, non-flammable and therefore can be disposed of in any regular disposal areas. The membranes can be unloaded by hand or any other convenient means but ensure that there are no sharp or protruding edges within close proximity to avoid puncturing the membrane.

Technical Characteristics at 25°C, 50% RH

Property	Standard	Result
Total Thickness, mm	IS 101 : Part 3 : Sec 2	1.5 / 2 ± 0.2
Elongation, %	ASTM D 5147	125 ± 50
Tensile strength, N / 5cm <ul style="list-style-type: none">• Longitudinal• Transverse	ASTM D 5147	> 200 > 200
Cold Flexibility, °C	ASTM D 5147	-18
Puncture Resistance, N	ASTM E 154	240 - 260
Tear Strength, N <ul style="list-style-type: none">• Longitudinal• Transverse	ASTM D 5147	> 100 > 100
Adhesion to N / mm <ul style="list-style-type: none">• Primed concrete• Lap adhesion	ASTM D 1000	2.3 - 3.0 2.0 - 2.5
Moisture vapour transmission, g / m ² / 24 hrs.	ASTM E 96	< 0.30
Softening point, °C	ASTM D 36	100 - 105

Field of Application

- ✓ Waterproofing or dam proofing membranes intended for concrete protection of Flat and sloping roofs, horizontal or vertical foundation / walls/ Basements and structures.
- ✓ Structural concrete and masonry walls, pitch roof split slab concrete construction, both above and below ground.
- ✓ As a base sheet or intermediate layer in a multi-layer system.
- ✓ Waterproofing of insulated roofs, wet areas like bathroom, kitchens, parking areas, balconies, etc.

Advantages

- Excellent waterproofing for basements, structural concrete, civil work and substructures that require extra protection & toughness.
- Excellent puncture, impact and tear resistance.
- Cold applied, does not require heat, chemical bonding agents or special tools. Easy and quick installation.
- Good adhesion at low temperature. Effective water and vapour barrier.
- High dimensional stability
- Strong resistance to chemicals like chlorides, sulphates, alkalis, dilutes acids, ozone and atmospheric pollutants.

Application Information

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|--------------------------------|---|----------------------|
| ✓ Substrate Temperature | - | +5°C Min / +45°C Max |
| ✓ Ambient Temperature | - | +5°C Min / +45°C Max |
| ✓ Relative air humidity | - | 80% Max. |

Application Methodology

➤ Surface Preparation

- As with any waterproofing membranes, proper application is of paramount importance to obtain optimum product performance. A smooth regular and dry surface is always a must for good application.
- The substrate should be completely free of any protrusions or cavities.
- The presence of oily materials, frost, dampness, moisture and any other contaminants should be completely removed.

➤ Application of Material

- Prime concrete surface with **ShaliTex Primer** @ 0.30 L / m²
- Allow the primer to touch dry prior to the application of membrane.
- Place the membrane on the primed surface and remove the film by peeling of the release paper not more than 30 cm at a time, while unrolling **SuperTene®**
- Unroll only the required length, and cut the piece to the desired shape and size.
- Peel off release film and carefully place the membrane so as to ensure a minimum of 75mm overlap and then smoothen the membrane from the centre to the edges in order to drive out entrapped air.
- Protect **SuperTene®** to avoid damage caused by other trades, backfilling equipments and materials. Lay screeds, toppings and tiles almost immediately after laying.
- Do not leave **SuperTene®** exposed. The membrane can only be used as temporary waterproofing for 2 weeks before installation of a suitable cap sheet is required.

Precautions

- Do not apply during rain or extreme temperature.
- Avoid abuses which may lead to puncturing of membrane.

Value base of product data

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 and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- **SuperTene®** contains a tacky bitumen compound, and during application can adhere to human skin.
- May be harmful if swallowed.
- Store in cool dry place. Keep out of children and eatables.
- Bitumen stains can be removed by using a cloth dipped in a light solvent.
- In case the affected area is sensitive, like the eye, please contact the company physician for advice.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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