

SuperTene[®] 7

High Elongation Heavy Duty Self-Adhesive Membrane



Description

SuperTene[®] 7 is a self-adhesive SBS (Styrene Butadiene Styrene) based pre-formed waterproofing membrane with high density 4 ply cross laminated tough polyethylene film on one side and easy-to-peel silicon film on the other side.

Characteristics

Property	Standard	Result
Thickness, mm	Measurement	1.6 ± 0.1
Elongation, %	ASTM D 5147	> 300
Lengthwise Tensile Strength (Film Only) kN / m ²	ASTM D 638	> 40,000
Cold Flexibility, °C	ASTM D 5147	-18
Puncture Resistance, N	ASTM E 154	> 500
Tear Strength, N / mm <ul style="list-style-type: none">• Longitudinal• Transverse	ASTM D 4073	> 150 > 125
Adhesion to N/mm <ul style="list-style-type: none">• Primed concrete• Lap adhesion	ASTM D 1000	> 2.4 > 2.0
Crack bridging, mm	ASTM C 836	> 2.0
Moisture vapour transmission, g / m ² / 24 hrs	ASTM E 96	< 0.30
Softening point, °C	ASTM D 36	> 100
Resistance to hydrostatic head, m, 6 bar	ASTM D 5385	> 60
Volume Resistivity Ω-cm	ASTM D 257-78	6.82 x 10 ¹³

Application

- Waterproofing of,
 - Damp-proofing of vertical foundation / walls/ Basements and Substructures.
 - Structural concrete and masonry walls, pitch roof split slab concrete construction, both above and below ground.
 - Insulated roofs / parking areas / terraces / garages.
 - Place where the use of fire is not possible or is prohibited.

Advantages

- Excellent waterproofing for basements, structural concrete, civil work and substructures that require extra protection & toughness.
- Excellent puncture, impact and tear resistance.
- Flexible and cold applied to accommodate the structural movements.
- Withstand high hydrostatic head pressure.
- Cold applied, does not require heat, chemical bonding agents or special tools. Easy and quick installation.
- Permanent flexibility and protection. Effective water and vapour barrier.
- Strong resistance to chemicals like chlorides, sulphates, alkalis, dilute acids, ozone and atmospheric pollutants.

Application Methodology

- **Surface Preparation**
 - Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.

➤ Application of Material

- Prime concrete surface with ShaliTex Primer @ 0.30 L / m²
- Allow the primer to dry for 8 hrs.
- Place the membrane on the primed surface and remove the film by peeling of the release paper not more than 30 cms at a time, while unrolling **SuperTene® 7**.
- Press down the membrane from the middle to the outer edges. This will help to remove any entrapped air ensuring good adhesion to the substrate.
- Protect **SuperTene® 7** to avoid damage caused by other trades, backfilling equipments and materials. Lay screeds, toppings and tiles almost immediately after laying. Do not leave **SuperTene® 7** exposed.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Rolls are available in 1 m x 20 m in 1.6-mm thickness.

Storage

- Rolls must be stored in dry place, protected from rain, sun ray, heat.
- Keep in upright position on the dry surface / pallet.
- Don't stack more than two rolls height.

Shelf Life

12 months in original unopened sealed conditions.



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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