

ShaliTape® Flex

Flexible Expansion Joint Sealing Tape



STP Limited

Description

ShaliTape® Flex is a high performance, thermoplastic, joint tape for expansion joints and cracks having elastomeric behavior. It allows irregular and high movement in more than one direction while maintaining a high quality seal.

ShaliTape® Flex is resistant to water, cement-water, sea water, domestic sewage, bitumen, light fuel oil, diesel, alkali, acid, ethanol, methanol and petrol.

Characteristics

Colour	Grey	Tensile strength, MPa	> 10
Thickness, mm	1 & 2	Pull off bond strength*, Mpa	> 12 (Concrete Failure)
Hardness, Shore A	91	Peel strength*, Mpa	4
Service Temperature, in dry condition. °C	-30 to +60	Elongation, %	600
		Relative Air humidity, 25 °C	85 maximum
Substrate Temperature, °C	10	Ambient Temperature, °C	10
		• Minimum	
• Maximum	40	• Maximum	40

Applications

- Flexible waterproofing seal for expansion joints subject to large amount of movements in service.
- Flexible waterproofing seals in tunnels, road-works, etc.
- Sealing expansion joints in prefabricated panels.
- Sealing structural joints in facades.
- Sealing joints in hydraulic works, such as channels, basins, drains, pipe-works.
- Waterproofing expansion joints in flat covering layers.

Advantages

- Extremely flexible and easy to install,
- Suitable for both dry and damp concrete surfaces.
- Performs well within a wide range of temperatures.
- Weather / water / root / mild chemical resistant.
- Suitable for contact with potable water.
- Versatile system suitable for many difficult situations.

Application Methodology

- 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.
- Choose the most suitable width of **ShaliTape® Flex**.
- Unroll the tape until the desired length is reached.
- Apply ShaliBond TPE on both side of the joint, 20 mm on each side for 100 mm width tape at the rate of 800 gm / m². For 200 mm tape adhesive should be coated 25 mm on each side of the joint or crack.
- Place the tape over the adhesive layer in a way such that 10 mm adhesive remained exposed. Press the tape slightly to ensure good adhesion.
- Apply 2nd coat of adhesive at the rate of 800 gm / m² over the tape in such a way that tape upper surface is coated with adhesive for 10mm and rest adhesive is put on the exposed adhesive surface coated first.
- Gap between two coats should be minimum 3 hrs and maximum 18hrs

- Do not applying when it is raining, freezing or snowing.

Cleaning & Maintenance

- Clean all tools immediately after use with Xylene. Do not allow the material to harden.

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

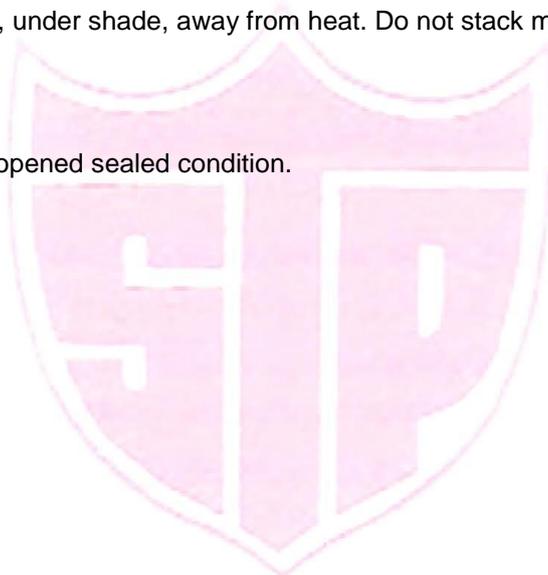
Available in 20 m x 10 cm and 20 m x 20 cm roll.

Storage

Store in a cool dry place, under shade, away from heat. Do not stack more than three rolls in one column.

Shelf Life

24 months in original unopened sealed condition.



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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