

ShaliTape® Flex

Flexible Expansion Joint Sealing Tape



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	Ambient Temperature, °C		
	• Minimum	• Minimum	10
	• Maximum	• 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 10 mm and rest adhesive is put on the exposed adhesive surface coated first.
- Gap between two coats should be minimum 3 hrs. and maximum 18 hrs.
- **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

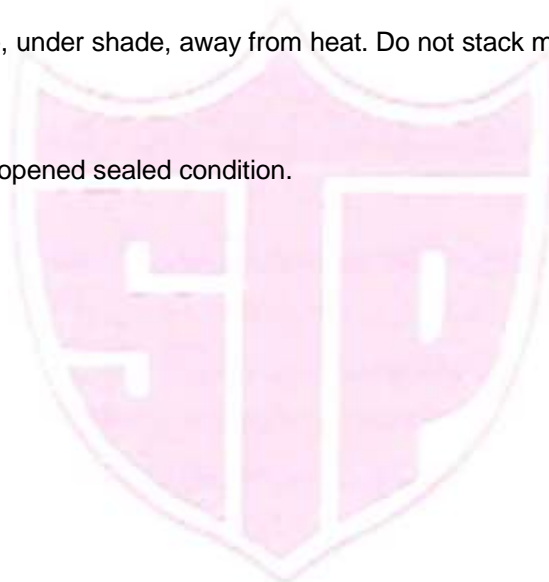
Available in 20 m x 10 cm and 20 m x 20 cm roll.

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.



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