ShaliTex® Sealing Compound

Single component Bitumen Based Joint Sealing Compound

STP Limited

Description

ShaliTex® Sealing Compound is bitumen based hot applied sealing compound for waterproofing concrete joints and has the ability to withstand extension without cracking. It has low susceptibility to flow during hot weather conditions. It is durable and plastic and at the same time offer resistance to ingress of solid foreign matter. **ShaliTex® Sealing Compound** is suitable for use in concrete constructions other than those which are subjected to spillage of kerosene or other petroleum oils.

Approvals / Standards

IS : 1834-1984 Grade A

Product Information

Form, Colour	Black, Solid
Handling & Storage	The material must be stored in a shaded area with minimum exposure to sunlight and UV. The containers should be protected from all sources of heat, ignition & extreme cold.
Packaging	Available in 20 kg and 200 kg capacity drums.
Shelf Life	12 months when stored in unopened sealed conditions at 5°C to 35°C.
Handling Precautions	As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Technical Characteristics at 27°C, 55% RH

Density, gm / cc	1.05 ± 0.05	Pour point °C	176 - 180
Extensibility, mm	6 - 7	Softening Point °C	86 - 89
Flow Test, %	2 - 4	Penetration, dmm	15 - 28

Coverage Guide

To estimate the amount of **ShaliTex® Sealing Compound** in running meter/ Kg to seal the joint can be very easily estimated by using the formula: **952 / (W x D) = L* = Running meter / kg**
L= Length of joint in running meter; W= Width of the joint in mm; D = Depth of the joint in mm
* **Actual material consumption at site will vary depending on the wastage consideration of 5 - 20 %.**

Field of Application

- Runway Joints.
- Joints in garages, filling stations and other places of construction joints, like, in warehouse floors and secondary containment of walls and floors of artificial water ponds.
- Bridge / road joints.

Advantages

- Ability to withstand expansion without cracking
- Good adhesion to concrete / other surfaces.
- Low susceptibility to flow during hot weather condition.
- Resistant to sunlight / rain and cyclic temperature changes.
- Anti-corrosive and prevents root growth.
- Resistant to ingress of foreign substance.

Application Information

- ✓ **Substrate Temperature** - +5°C Min / +50°C Max
- ✓ **Ambient Temperature** - +5°C Min / +50°C Max
- ✓ **Substrate Moisture Content** - < 5%

Application Methodology

- Remove dust, flakes, oil, grease or other foreign particles by jet or dry air and clean the surface to make it smooth before applying **ShaliTex® Sealing Compound.**
- Spray or brush, by **ShaliTex® Primer** evenly throughout the joints and allow it to dry completely. 24 hours is enough to dry the primer during normal weather condition.
- Cover the joint by plastic film if rain is expected after primer application.
- Cut **ShaliTex® Sealing Compound** drum and heat it to 170 - 190°C while slowly stirring the material for uniformity. A 20 kg drum will take 2 - 3 hrs. at 190 - 200°C for complete melting using hand stirrer. Do not overheat as this may cause frothing. If for any reason bubble appears during melting, keep the temperature around 180°C for a longer time with slow manual stirring till the bubble disappears.
- Upon primer drying completely, pour molten **ShaliTex® Sealing Compound** from one side of the joint allowing it to travel through the joint as much as practicable. While pouring, ensure that temperature of material is in the range of 180 - 200°C.
- During the pouring process, to avoid spillage, place wooden boards on both sides of joint and pour from can with extended spout.

Precautions

- Heat the Joint Sealing Compound to a temperature which will permit easy pouring into the expansion joint above the **ShaliTex® Expansion Joint Board.**
- This temperature should be well below that at which the Joint Sealing Compound undergoes decomposition, and should not exceed temperatures as, specified.
- Primers are inflammable and should not be placed near a named flame.

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**.

- Ensure good ventilation during application and drying.
- Flammable, so store in a cool dry place away from heat and sparks.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognized skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.



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