



STP Limited

# ShaliJet<sup>®</sup> Sealing Compound

Coal Tar Sealing Compound

## Description

**ShaliJet<sup>®</sup> Sealing Compound** is thermoplastic material. It flows in hot condition and settles to a plasto-elastic mass when cold. Being fuel / heat resistant, **ShaliJet<sup>®</sup> Sealing Compound** is used as sealant in construction of runways. It conforms to IS:1834 Grade B.

## Characteristics

|   |       |   |                               |
|---|-------|---|-------------------------------|
| Colour  | Black | Coverage, 100 meters of running joint of 25 mm depth, Kgs *                                 |                               |
| Aviation Fuel / Kerosene Resistance Test, change in Penetration after 7 days immersion in Aviation fuel / kerosene, at 25 °C, 100 g./ 0.1 mm / 5 sec., max. | 15    | <ul style="list-style-type: none"> <li>• 12 mm</li> <li>• 18 mm</li> <li>• 25 mm</li> </ul> | <p>44</p> <p>66</p> <p>92</p> |
| Flow test @ 45 °C %,max   | 5     | Pour Point, °C, Max   | 180                           |
| Change in mass, %, max  | 1     | Penetration, 25 °C, 0.1 mm, 5 sec.  | 15 - 50                       |
|   |       | Extensibility, mm, min  | 6                             |

\* Depending upon surface condition.

## 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

- Fuel spillage resistant.
- Jet exhaust heat resistant.
- Good adhesion to concrete / other surface.
- 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 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.

### ➤ Material Preparation

- Cut **ShaliJet<sup>®</sup> Sealing Compound** drum and heat it to 180 – 210 °C while slowly stirring the material for uniformity. A 26 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.

#### ➤ Application of Material

- Apply a coat of ShaliPrime SSC @ 0.30 L / m<sup>2</sup>.
- Allow it to dry for 24 hrs.
- Pour molten **ShaliJet<sup>®</sup> Sealing Compound** from one side of the joint allowing it to travel through the joint as much as practicable.
- Ensure that temperature of material is in the range of 175 - 180 °C during Application.
- During the pouring process, to avoid spillage, place wooden boards on both sides of joint and pour from container with extended spout.

#### Health & Safety

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

#### Packing

Available in 26 kg and 260 kg drum.

#### Storage

Keep in cool and dry place, under shed, away from heat.



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