ShaliJet® Sealing Compound

Coal Tar Sealing Compound

STP Limited

Description

ShaliJet® Sealing Compound is thermoplastic material. It flows in hot condition and settles to a plasto-elastic mass when cold. Being fuel / heat resistant, this is used as sealant in construction of runways.

Approvals/Standards

IS:1834 Grade B.

Product Information

Colour	Black
Handling & Storage	Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Packaging	26 Kg drum
Shelf Life	12 Months from the date of manufacture when maintained in protected storage in original unopened sealed condition at 5 - 38°C. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.
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

Property	**Result**
Aviation Fuel / Kerosene Resistance Test, change inPenetration after 7 days immersion in Aviation fuel / kerosene, at 25°C, 100 g./ 0.1 mm / 5 sec., max.	15
Flow test @ 45°C %, max	5
Pour Point, @ °C, maximum	180
Change in mass, %, max	1
Penetration, 25°C, 0.1 mm, 5 sec	15-50
Extensibility, mm, minimum	6
Density, gm/cc	1.4±0.05

Coverage Guide

To estimate the amount of **ShaliJet® Sealing Compound** in running meter/ Kg to seal the joint can be very easily estimated by using the formula: **704 / (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

- Fuel spillage resistant.
- Jet exhaust heat resistant.
- 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 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® 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^2.
- Allow it to dry for 24 hrs.
- Pour molten **ShaliJet® 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.

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 & Safety

- **This product contains coal tar**. 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.

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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