

ShaliSeal[®] CL BT

Bituminous Canal Lining Sealant



STP Limited

Description

ShaliSeal[®] CL BT is highly elastic, ductile single component non sagging bituminous compound, which provides excellent adhesion to concrete, bricks and precast slabs. **ShaliSeal[®] CL BT** is used in joints of canal lining / other concrete structures.

ShaliSeal[®] CL BT is resistant to temperature variations providing waterproof sealing for all type of joints.

ShaliSeal[®] CL BT Provides water-proof seal at all times under the maximum hydraulic head to which the seal joint is likely to be subjected.

ShaliSeal[®] CL BT has enough fluidity over the specified working temperature range so that little difficulty is experienced in properly filling and sealing joints of the given size and shape.

It conforms to IS 13143 : 1991.

Characteristics – Physical

Colour	Black	Theoretical Coverage*, kg / rmt	4 For 12 mm wide & 75 mm depth.
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* Depending upon surface condition.

Characteristics - Technical

Property	Test Method	Result
Softening Point at °C	IS : 1205	85 minimum
Penetration at 25 °C, 100 g, 5 s, 1/100	IS : 1203	15 – 30 dmm
Pour Point at °C	IS: 1834	170 maximum
Flash Point at °C	IS:1209	200 minimum
Increase in Softening Point after heating to 20 °C above the maximum point for 3 hours at °C	IS : 1205	5 maximum
Extensibility at 0 °C in mm	IS:1834 Appendix C	6 mm minimum
Water content by weight in %	IS : 1211	0.5 maximum

Application

- Cast-in-situ cement concrete lining.
- Precast cement concrete lining for canal.
- Flagstone paving.

Advantages

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

Application Methodology

➤ Surface Preparation

- Remove dust, flakes, oil, grease or other foreign particles by jet or dry air and clean the surface smooth before applying **ShaliSeal® CL BT**.

➤ Material Preparation

- Cut **ShaliSeal® CL BT** drum and heat it to 180 – 200 °C while slowly stirring the material for uniformity. A 20 kg drum of **ShaliSeal® CL BT** will take 2-3 hr 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 ShaliTex Primer on the cleaned surface and allow it to dry at least 24 hr. Cover the joint by plastic film if rain is expected after primer application.
- Apply molten **ShaliSeal® CL BT** by pouring, 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 170 - 185 °C.
- Do not overheat the material.
- During the pouring process, to avoid spillage, place wooden boards on both sides of joint and pour from can with extended spout.

Health & Safety

- **ShaliSeal® CL BT** is inflammable.
- 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 kg drum.

Storage

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



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STP's Businesses
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