

ShaliModulate LS

Low Smell Coal Tar Modulate For Protection of Steel and Concrete



STP Limited

Description

ShaliModulate LS is hot pour low smell coal tar modulate prepared by digesting bituminous coal in a solution of pitch and high boiling coal tar distillate for the protection of steel and concrete.

Characteristics

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Ash content by ignition, % by mass	5 - 10
Density at 25°C, g / cm ³	1.30 - 1.40
Softening Point (ring and ball, °C)	95 - 110
Penetration (total moving mass), 10 ⁻¹ mm	
• 25°C, 100 g	8 - 18
• 45°C, 50 g	15 - 40

Application

- Corrosion protection of pipes for carrying crude, liquid or gases by coating pipes.
- Protection of Concrete and steel.

Advantages

- Excellent adhesion to metal and concrete, high electrical resistivity, good flexibility, temperature susceptibility and chemical stability.
- Resistant to bacteria / marine organisms, root growth, back fill damage, petroleum products and water.

Application Methodology

- Depending upon the size of the melting kettle, cut **ShaliModulate LS** into small pieces of approximately 1 to 5 kg each.
- Fill the kettle up to 40% of its capacity.
- Begin heating till the application temperature is attained. During heating, slowly add balance material upon reaching fluidity.
- Stir occasionally to avoid carbonisation at the bottom of the kettle. This will prevent coking of the material and save considerably on fuel.
- Consume the heated **ShaliModulate LS** within 3 hrs. once the application temperature is reached. Reject enamel held at the application temperature for more than 3 hrs., if it is found off specification.
- Ensure modulate remaining in the kettle on reheating does not exceed 10% of fresh charge.
- Resist the maximum temperature of the kettle to 260°C. Reject Modulate above this temperature.
- In the event of Plant breakdown, or any other reason, put off burner and bring down the enamel temperature to 180°C or lower keeping agitator on for a period not exceeding 8 hrs.
- Apply **ShaliModulate LS** on cleaned and primed external pipe, metal and concrete surface to ensure that the surface is free from dust, dirt, oil and moisture.

Health & Safety

- Use goggles, mask, nose cover and hand gloves during application.
- Clean hands with warm soap water after application.

Packing

Available in 250 kg drum.

Storage

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



STP Limited
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