

ShaliModulate LS

Low Smell Coal Tar Modulate For Protection of Steel and Concrete



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 <ul style="list-style-type: none">• 25°C, 100 g• 45°C, 50 g	8 - 18 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.



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