ShaliProtek® HR BT 300
Heat Resistant Bituminous UIC Protective Coating Emulsion

Description

ShaliProtek® HR BT 300 (formerly known as ShaliProtek HR BT 260) is an asphalt based, cold applied emulsion for coating Internal Casing Surfaces of Furnace / Boilers Firebrick linings as well as Under Insulation Corrosion Protection for air conditioning pipelines. This can develop a coating thickness of 6 mm in two coats without sagging.

ShaliProtek® HR BT 300 remains plastic in order to accommodate thermal expansion / contraction of pipes or vessels, whose thermal insulation it protects.

ShaliProtek® HR BT 300 can be used at elevated temperature up to 300 °C.

ShaliProtek® HR BT 300 has excellent vapour barrier properties and resists UIC (under insulation corrosion).

Characteristics

<table>
<thead>
<tr>
<th>Colour</th>
<th>Brown to Chocolate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistency</td>
<td>Pasty / Creamy</td>
</tr>
<tr>
<td>Flash Point, °C</td>
<td>&gt; 200</td>
</tr>
<tr>
<td>Finish</td>
<td>Mat</td>
</tr>
<tr>
<td>Application</td>
<td>By brush / Trowel</td>
</tr>
<tr>
<td>Volatile content, %, weight</td>
<td>40</td>
</tr>
<tr>
<td>Volume Solid, %</td>
<td>&gt; 50</td>
</tr>
<tr>
<td>Application Temperature, °C</td>
<td>4 to 48</td>
</tr>
<tr>
<td>Service Temperature, °C</td>
<td>300</td>
</tr>
<tr>
<td>Theoretical coverage, kg/m²</td>
<td>2.6</td>
</tr>
</tbody>
</table>

* Depending upon surface condition.

# For higher thickness, higher drying time will be required.

Application

- Internal Casing Surfaces of Furnace & Chimney.
- External surface of MS pipes over rock wool before aluminium cladding for under insulation corrosion as well as vapour barrier.

Advantages

- Protects inner vessel casings from corrosive chemical thus avoiding deterioration.
- Excellent moisture barriers.
- High Temperature resistance.
- Retains thermal efficiency during all weather conditions.
- Effective insulation material.
- Solvent free and hence eco-friendly and non-toxic.
- Effective Under Insulation Corrosion Resistance.

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

- Stir ShaliProtek® HR BT 300 by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix.
- After stirring, wait for the product to settle in order to let entrapped air escape.
➢ **Application of Material**

- For priming the prepared surface, dilute ShaliProtek® HR BT 300 from its pasty consistency to that of light consistency by adding water in the ratio of 1:1.
- Allow it to dry.
- Apply first coat of ShaliProtek® HR BT 300 when the primed surface is dry and wait for coating to change black from its original brown colour.
- Allow it to dry for 24 hrs.
- Apply second coat.
- Sprinkle sand @ 200 grm / m² over the final coating when the surface is still tacky.

**Health & Safety**

- 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 containers.

**Storage**

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

**Shelf Life**

6 months in original unopened sealed conditions.

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**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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