ShaliProtek® HR AL 300
Heat Resistant Aluminised Protective Coating

Description

ShaliProtek® HR AL 300 is a single component, high performance, heat resistant, aluminised protective coating for steel surfaces.

ShaliProtek® HR AL 300 can withstand temperature up to 300 °C with excellent resistant to water and fair resistance to acid / alkali / saline atmosphere.

ShaliProtek® HR AL 300 is free from Lead / Chromate and gives bright metallic finish to substrate.

Characteristics – Physical

<table>
<thead>
<tr>
<th>Colour</th>
<th>Aluminium</th>
<th>Flash Point, °C</th>
<th>&gt; 23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>Bright Metallic</td>
<td>Volume Solid, %</td>
<td>30</td>
</tr>
<tr>
<td>Drying time</td>
<td></td>
<td>DFT, micron</td>
<td>20</td>
</tr>
<tr>
<td>Touch dry, minutes</td>
<td></td>
<td>Theoretical Coverage^ m² / L</td>
<td>9 - 11</td>
</tr>
<tr>
<td>Hard Dry, hrs</td>
<td>20 - 30</td>
<td>Specific gravity @ 30 °C, g / cm³</td>
<td>0.98 – 1.00</td>
</tr>
<tr>
<td>Overcoating, hrs, minimum</td>
<td>18 – 24</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Depending upon surface condition.

Application

- Steel structures exposed to dry heat.
- Chimneys / Stacks.
- Boiler fronts / kiln outer body.
- Pipeline exposed to dry heat.

Advantages

- Self-priming.
- Easy to apply by brush or spray.
- Excellent resistant to dry heat up to 300 °C.
- Excellent resistant to water.
- Resistant to acid, alkali and saline exposure.

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 AL 300 by a slow speed mixture (approx. 400 rpm) 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.
  - Skin formation may happen on the top of material during humid condition. In that event, cut skin from the periphery of the container and remove it and then stir it as mentioned above.

- **Application of Material**
  - Apply first coat of ShaliProtek® HR AL 300 with a brush / spray gun on surface.
  - Apply second coat of ShaliProtek® HR AL 300 after 24 hours of the first coat.
Health & Safety

- 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.

Packing

Available in 5 L and 20 L drum.

Storage

Store in a cool dry place, under shed, away from heat.

Shelf Life

12 months in original unopened sealed conditions.