ShaliProtek® HB DTM
High Build Synthetic Direct To Metal Coating

Description

ShaliProtek® HB DTM is a single component, high build, direct to metal primer-cum-finish coating suitable for well prepared steel for mild to moderate corrosive atmosphere.

ShaliProtek® HB DTM is a low VOC quick drying material for interior and exterior purpose in moderate corrosive environment. The material has good weather ability and moderate abrasion resistance.

Characteristics

<table>
<thead>
<tr>
<th>Theoretical Coverage*, m² / L</th>
<th>5.2 – 8.6</th>
<th>Curing Time, @ 30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colors</td>
<td>Assorted Shades</td>
<td>• Touch Dry, hrs</td>
</tr>
<tr>
<td>Volume Solid, %</td>
<td>67±2</td>
<td>• Handle, hrs</td>
</tr>
<tr>
<td>DFT, Microns</td>
<td>75 - 125</td>
<td>• Hard, days</td>
</tr>
<tr>
<td>Temperature Resistance, °C</td>
<td></td>
<td>- Continuous</td>
</tr>
<tr>
<td>• Continuous</td>
<td>90</td>
<td>Flash Point, °C</td>
</tr>
<tr>
<td>• Intermittent</td>
<td>120</td>
<td>Density, gm / cc</td>
</tr>
<tr>
<td>Application temperature, °C</td>
<td>&lt; 10 to &gt; 45</td>
<td>1.35 ± 0.05</td>
</tr>
<tr>
<td>Over Coating Interval, hrs</td>
<td>10 - 36</td>
<td>VOC, grm / L</td>
</tr>
</tbody>
</table>

* Depending Upon Surface Condition.

Application

- Mild steel coating application.
- Automobile workshops and showrooms.
- OEM application.
- Any MS structures.

Advantage

- Good semi glossy to glossy finish.
- Easy to apply, flow able consistency.
- Excellent bond to metal surface.
- Moderate to good chemical resistance.
- Good weatherability.

Application Methodology

- **Surface Preparation**
  - Remove oil / grease by washing with liquid detergent, followed by acid wash or by burning.
  - Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically by scarifying or by grinding to make the surface active.
  - Preferably achieve a surface profile as per SSPC SP 10 (SA 2½).

- **Material Preparation**
  - Stir thoroughly ShaliProtek® HB DTM with a slow speed drill mixer with a spiral type blade at the bottom of stirrer rod till homogeneous mix is obtained.
  - After stirring, wait for the product to settle in order to let entrapped air escape.
Application of Material

• Apply ShaliProtek® HB DTM on the prepared surface by brush / roller / airless spray gun with standard equipment having pump ratio minimum 30 : 1.
• Apply ShaliProtek® HB DTM preferably without thinning, if required, add up to 5% STP Thinner for spray application.

Limitations

• Do not apply ShaliProtek® HB DTM
  ▪ On surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
  ▪ On to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.

Cleaning & Maintenance

• Clean all tools immediately after use with Xylene. Do not allow material to harden.

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 L pack.

Storage

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

Shelf Life

12 months in original unopened sealed conditions.