ShaliPrime® Zn Ph 60
2K Zinc Phosphate Primer

Description

ShaliPrime® Zn Ph 60 is a two-component, phenalkamine-cured, zinc phosphate anti-corrosive epoxy primer for steel surface. ShaliPrime Zn Ph 60 is composed of non-lead pigments and inert mineral fillers.

Characteristics

<table>
<thead>
<tr>
<th>Colour</th>
<th>Greenish</th>
<th>Application Temperature, °C</th>
<th>10 - 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical coverage, m² / L</td>
<td>5 – 6</td>
<td>Pot Life, 30 °C, hr</td>
<td>&gt; 4</td>
</tr>
<tr>
<td>DFT, micron</td>
<td>100 – 200</td>
<td>Touch dry, 30 °C, hr</td>
<td>2</td>
</tr>
<tr>
<td>Volume Solid, %</td>
<td>58 ± 2</td>
<td>Full cure, days</td>
<td>7</td>
</tr>
<tr>
<td>Mix density, 30 OC, gm / cc</td>
<td>1.41 ± 0.02</td>
<td>Recoating time, hr</td>
<td>10 - 12</td>
</tr>
</tbody>
</table>

* Depending upon surface condition.

Application

- Suitable for use on blast cleaned steel where a complete epoxy system is required. It is suitable as a patch primer for treatment of manually prepared steel.

Advantages

- Resists most chemical environment when used with recommended top coats.
- Resists water/corrosion.
- Provides good anti-corrosion protection.
- Facilitates adhesion of finish onto difficult substrates.
- Non-toxic, safer to use as compared to chromate version.

Application Methodology

- **Surface Preparation**
  - Remove dust, flakes, rusty material or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
  - Thoroughly dust down the surfaces.
  - Ensure that the substrate temperature is in the range of 10 °C – 45 °C.

- **Material Preparation**
  - Mix the entire quantity of Base and Accelerator compounds, which are pre-weighted, thoroughly to a homogenous and uniform compound by a slow speed mixture (approx. 400 rpm) fitted with suitable mixing blade.

- **Application of Material**
  - Apply ShaliPrime RC on the surface where wire brush is not reachable and allow the surface to dry for 48 hrs.
  - Apply ShaliPrime® ZN Ph 60 by brush, roller or spray. When applied by airless spray gun, ensure that the minimum working pressure of 140 kg / cm² with a spray tip size 0.74 – 1.00 mm and a spray tip angle of 65°.
  - Ensure that the base and the hardener are at the minimum temperature of 15 °C when mixed for satisfactory spray application.
  - ShaliPrime® Zn Ph 60 may be over coated with conventional paints or two-pack epoxy paints and polyurethane. Over-coating can be done after 8 - 10 hrs; however, it is
recommended to coat after 12 - 24 hrs of application of primer to obtain superior performance.

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 unit pack container.

Storage

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

Shelf Life

12 months in original unopened sealed condition.