Iron Oxide Epoxy Polyamine Primer

Description & Recommended Use

It is a two component coating base on epoxy resin and as a general purpose rust preventing primer for epoxy system on steel and other metal surfaces, and high chemical resistance. It has very good adhesion to and used for steel structure, machineries, pipes, tanks, bridges, power plants, refineries and industrial environments.

Surface Preparation

- The surface should be free from any rust, moisture, mill scale, oil and grease
- Mechanical and chemical surface preparation methods should be performed depending on the type of contamination, the coating system environmental condition and service life.
- Apply the paint immediately followed by surface preparation.

Data Sheet / Technical Data at 25 °C

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder</td>
<td>epoxy – polyamide</td>
</tr>
<tr>
<td>Components</td>
<td>Two</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
</tr>
<tr>
<td>Finish</td>
<td>matt</td>
</tr>
<tr>
<td>Density (gr/cm³) (A+B)</td>
<td>1.45±0.1</td>
</tr>
<tr>
<td>Solid Contents(by weight)(A+B)</td>
<td>79%±2</td>
</tr>
<tr>
<td>Solid Contents(by volume)(A+B)</td>
<td>64%±2</td>
</tr>
<tr>
<td>Dry film thickness(μ)</td>
<td>70±5</td>
</tr>
<tr>
<td>Theoretical coverage at 50 μ</td>
<td>12.8±0.4</td>
</tr>
<tr>
<td>Flash point</td>
<td>25 °C</td>
</tr>
<tr>
<td>Storage condition</td>
<td>12 Month</td>
</tr>
</tbody>
</table>

Technical Application Details at 25 °C

- Curing mechanism: Chemical reaction & solvent release
- Mixing ratio (by weight) (A/B): 21/4
- Mixing ratio (by volume) (A/B)
- Pot life: max 6 hr
- Thinner: 239
- Dry to touch: 1.5 hr
- Dry to handle: 4 hr
- Fully cured: 2 week
- Min. time to overcoat: 24 hr
- Max. time to overcoat: 4 week
- Shelf life (Standard condition): 12 Month

Surface Preparation

- The surface should be free from any rust, moisture, mill scale, oil and grease
- Mechanical and chemical surface preparation methods should be performed depending on the type of contamination, the coating system environmental condition and service life.
- Apply the paint immediately followed by surface preparation.
Description:

Application Equipment

- Conventional spray
- Airless spray
- Brush

Code:

Environmental Conditions

Air temperature: 10°C – 40°C
Surface temperature: 10°C – 40°C

To prevent moisture condensation during application, surface temperature must be at least 3°C above the dew point.

Application procedure

- Flush equipment with cleaner before use
- Stir two components with a power mixer. Notice pot life time and mixing ratio
- Use Shakiba’s thinner for adjusting the viscosity
- The thinner should be added gradually
- The consumption depends on temperature and type of equipment and thickness paint
- Clean all equipment with Shakiba’s thinner.

Safety

- This product is flammable it must be kept away from heat, flash & flame
- keep container closed use with adequate ventilation & Earth
- Prolonged & repeated contact with skin may be harmful
- In case of eye contact flush with plenty of water and check with a medical doctor.

Note

- Density, solid contents theoretical coverage are dependent on color
- Pot life, drying time is dependent on air and steel temperature, applied film thickness.
- Never apply coatings under environmental condition.
- Adjusting the viscosity & pressure. For better adhesion on un steel, we offer wash primer as on under.
- This information given 25°C temperature and changed temperature cause to change data.
- Don’t use different thinner; otherwise we decline all responsibilities of it.
- For more information, please call to sale engineering expert.