Technical Data

EPOTECT GX

Kansai Paint Protective Coatings

GENERAL TYPE
Catalyzed Epoxy Paint

DESCRIPTION
A rust preventive primer for zinc galvanized steel based on epoxy resin and amine adduct hardener.

RECOMMENDED USE
Steel structure at marine or industrial severe corrosive environment.

FEATURES
- Excellent adhesion to galvanized steel.
- Excellent durability in chemicals.
- Good applicability.
- Provides hardness, abrasion resistance.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Oxide Red, White and Pale colours</td>
</tr>
<tr>
<td>Finish</td>
<td>Matt</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>55 %</td>
</tr>
<tr>
<td>Typical Thickness</td>
<td>Dry: 60 microns / coat</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>9.1 mL at 60 microns DFT</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Base: 4°C, Hardener: 23°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.43 g/cm³ (White)</td>
</tr>
<tr>
<td>VOC</td>
<td>400 g/L</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Non-continuous: 200°C, Continuous: 100°C</td>
</tr>
</tbody>
</table>

SURFACE PREPARATION
- All surfaces to be coated should be completely clean, dry and free from contamination.
- Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- For application to zinc galvanized surface, apply sweep blasting or zinc phosphoric acid treatment to the galvanized surface for stable adhesion of paint film.
- Remove rust, white rust of zinc and other loose material completely with power tool or hand tool and all the surface shall be roughened.
- Remove oil and other foreign material shall be removed by thinner wiping and washing.

APPLICATION
- Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3°C above dew point.
- Adequate ventilation shall be provided in confined spaces to ensure proper drying.

Mixing
- Stir each component with power agitator well before mixing. Then power mix two components.

Mixing ratio
- Base/Hardener = 9/1

Induction Time
- Not required

Application Method
- Airless spray
  - Thinner: Tect EP Thinner, Tect EP THINNER SLOW DRY (for summer use) (0-10% by weight)
  - Nozzle pressure: Not less than 10Mpa, Nozzle Tip: No.163-515-619
- Brush/Roller
  - Thinner: Tect EP Thinner, Tect EP THINNER SLOW DRY (for summer use) (0-10% by weight)
  - Power mix thinner if required.

*Too much thinning results sagging and slower cure.
Clean Up
Clean all the equipment with thinner immediately after use.

Pot Life

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5°C</th>
<th>20°C</th>
<th>30°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 hours</td>
<td>5 hours</td>
<td>4 hour(s)</td>
<td></td>
</tr>
</tbody>
</table>

*Use all mixed paint within pot life.

Drying Time

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5°C</th>
<th>20°C</th>
<th>30°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface dry</td>
<td>3 hours</td>
<td>1 hour(s)</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Touch dry</td>
<td>5 hours</td>
<td>3 hour(s)</td>
<td>2 hour(s)</td>
</tr>
</tbody>
</table>

*Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc.

Overcoating Interval

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5°C</th>
<th>20°C</th>
<th>30°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>48 hours</td>
<td>16 hours</td>
<td>10 hours</td>
</tr>
<tr>
<td>Maximum</td>
<td>10 days</td>
<td>10 days</td>
<td>7 days</td>
</tr>
</tbody>
</table>

*The overcoating intervals are based on overcoating with same or same type of paint.

Typical undercoat

EPOMARINE, RETAN UNDERCOAT E, RETAN6000, SILICOTECT AC UNDERCOAT, CELATECT U, F UNDERCOAT

Typical topcoat

SAFETY PRECAUTIONS
Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapour. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. Application and handling of this product should be in compliance with relevant national regulations.

STORAGE
Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

SHELF LIFE
Base: 24 months  Hardener: 12 months from date of production

GENERAL REMARKS
- This product is not recommended for continuous water immersion.
- Water or moisture such as rainfall during drying stage may make the paint film surface colour whitish. Once such phenomena is observed, light sanding is required to remove the surface layer before subsequent painting.
- Vivid colour may not be obtained.

*If any inquiries, please consult Kansai Paint representative for further information.

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