Modified epoxy paint

A highbuild modified epoxy coating with polyamide hardener

Steel structure at marine or industrial severe corrosive environment

- High-build coating
- Tough and hard, and very good abrasion resistance
- Quick drying
- Good adhesion to zinc primers

White, Grey, Beige

Matt

81%

6.7 ml/L at 120 microns DFT

*Practical coverage vary depending on loss factors.

Base : 23°C, Hardener : 5°C

1.73 g/cm³ (Pale Color)

164 g/L

Non-continuous : 200°C, Continuous : 100°C

*These numerical values are subject to normal manufacturing tolerances, colours and testing variances.

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.
Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
Remove rust, mill scale and other loose material completely by abrasive blasting (ISO8501-1:2007 Sa 2 1/2 or SSPC SP-10)

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.

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

Base/Hardener = 6/1 by weight

15 minutes when ambient temperature is below 10°C. Not required when over 10°C.

Airless spray

Thinner : Tect EP Thinner for interior (0–10% by weight)
Nozzle pressure: Not less than 10Mpa,
Nozzle Tip : No.163~619
Brush/Roller

Thinner : Tect EP Thinner for interior (0–10% by weight)
Power mix thinner if required.

*Too much thinning results sagging and slower cure.
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>16 hour(s)</td>
<td>8 hour(s)</td>
<td>6 hour(s)</td>
<td></td>
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</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>2 hour(s)</td>
<td>1.5 hour(s)</td>
<td>1 hour(s)</td>
</tr>
<tr>
<td>Touch dry</td>
<td>16 hour(s)</td>
<td>8 hour(s)</td>
<td>6 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>24 hour(s)</td>
<td>16 hour(s)</td>
<td>12 hour(s)</td>
</tr>
<tr>
<td>Maximum</td>
<td>7 day(s)</td>
<td>7 day(s)</td>
<td>7 day(s)</td>
</tr>
</tbody>
</table>

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

Typical undercoat

SD ZINC, METALACT H15

Typical topcoat

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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

- Paint film color may turn yellow by UV exposure.
- 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.

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