**Generic Type**: Zinc Rich Paint

**Description**: High-build organic zinc rich anti-corrosive coating based on epoxy resin, polyamide hardener and zinc powder

**Recommended Use**: Steel structure at marine or industrial severe corrosive environment

**Features**:
- High-build and excellent rust preventive property
- Very good resistance to mechanical abrasion
- Excellent resistance to crude and heavy oils

**Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Finish</td>
<td>Matt</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>65%</td>
</tr>
<tr>
<td>Typical Thickness</td>
<td>Dry: 75 microns / coat</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>8.7 m²/L at 75 microns DFT</td>
</tr>
<tr>
<td>Flash Point</td>
<td>19°C(Base) 10°C(Hardener)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.74 g/cm³</td>
</tr>
<tr>
<td>VOC</td>
<td>301 g/L</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Non-continuous: 300°C, Continuous: 150°C</td>
</tr>
</tbody>
</table>

*Practical coverage vary depending on loss factors.*

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

**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.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1:2007 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.

**Application**

**Application Conditions**: 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 Base in container well before mix components. And add Hardener into Base gradually and power mix.

**Mixing Ratio**: Base/Hardener = 95/5 (by weight)

**Induction Time**: Not required

**Application Method**:
- Airless spray
  - Thinner: SD Zinc Thinner (0–10% by weight)
  - Nozzle pressure: Not less than 10MPa
  - Nozzle Tip: No.163-515~621
- Brush/Roller
  - Thinner: SD Zinc Thinner (0–5% by weight)
  - SD Zinc 1500 Thinner for Slow Dry can be used to prevent dry dust coat under high temperature. 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</th>
<th>20</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hour(s)</td>
<td>16</td>
<td>8</td>
<td>6</td>
</tr>
</tbody>
</table>

*Use all mixed paint within pot life.

Drying Time

<table>
<thead>
<tr>
<th>Temperature (℃)</th>
<th>5</th>
<th>20</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minute(s)</td>
<td>30</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Hour(s)</td>
<td>6</td>
<td>3</td>
<td>1</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</th>
<th>20</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hour(s)</td>
<td>40</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Month(s)</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

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

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
6 months from date of production

GENERAL REMARKS
- This product is moisture sensitive and store in cool and dry indoor area.
- Zinc powder in mixed paint tends to sink due to heavy specific gravity. Stir slowly during application to prevent zinc powder settling.
- In case surface preparation is acid pickling, sufficient neutralization is required for good adhesion.
- For high build application, spray stroke interval shall be around 5 minutes.
- In case high build paint is over coated, longer coating interval is recommended to prevent blistering by solvent vapour generation.
- Oil and alkyd paint is not suitable for overcoating.

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

DISCLAIMER: The information given on this sheet is to the best of our knowledge and accuracy at the time of issuing. Since conditions of use are beyond the manufacturer’s control, information contained herein is without warranty, implied or otherwise, and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.

Page 2 of 2
ISSUED DATE: 13/07/2012