**Technical Data**

**THERMOTECT EP**

**Kansai Paint Protective Coatings**

**GENERIC TYPE**
Phenolic epoxy

**DESCRIPTION**
A heat resistant paint based on phenolic epoxy for preventing CUI (Corrosion Under Insulation)

**RECOMMENDED USE**
An Insulated and non insulated steel structure for high temperature services

**FEATURES**
- Excellent heat resistance up to 200°C
- Suitable for insulated and non insulated surface
- Highbuild coatings
- Excellent resistance to water and sea water
- Tough and high abrasion resistance

**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>Semi-gloss</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>63 %</td>
</tr>
<tr>
<td>Typical Thickness</td>
<td>Dry : 125 microns / coat</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>5.0 ml/L at 125 microns DFT</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Base : 22°C, Hardener : 9°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.46 g/cm³ (Dark Gray)</td>
</tr>
<tr>
<td>VOC</td>
<td>321 g/L</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Non-continuous : 230°C, Continuous : 200°C</td>
</tr>
</tbody>
</table>

*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-SP1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1:2007 Sa 2 1/2.

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

**Mixing ratio**
Base/Hardener = 9 / 1 by weight

**Induction Time**
15 minutes after mixing base and hardener when ambient temperature is below 10°C.

**Application Method**
Airless spray
Thinner : Tect EP Thinner (0–10% by weight)
Nozzle pressure: Not less than 10Mpa
Nozzle Tip : No.163–619–623
Brush/Roller
Thinner : Tect EP Thinner (0–5% by weight)

*Too much thinning results sagging and slower cure.
THERMOTECT EP

GENERAL REMARKS

SAFETY PRECAUTIONS

Clean all the equipment with thinner immediately after use.

<table>
<thead>
<tr>
<th>Pot Life</th>
<th>10 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 hour(s)</td>
<td>8 hour(s)</td>
<td>5 hour(s)</td>
<td></td>
</tr>
</tbody>
</table>

*Use all mixed paint within pot life.

<table>
<thead>
<tr>
<th>Drying Time</th>
<th>10 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface dry</td>
<td>3 hour(s)</td>
<td>2 hour(s)</td>
<td>1 hour(s)</td>
</tr>
<tr>
<td>Touch dry</td>
<td>16 hour(s)</td>
<td>12 hour(s)</td>
<td>8 hour(s)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Overcoating Interval</th>
<th>10 °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>16 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       THERMOTECT EP

Typical topcoat         THERMOTECT EP

Clean Up

SAFETY PRECAUTIONS

Detail information is given on Safety Data Sheet (SDS). 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 from date of production, Hardener: 12 months from date of production

GENERAL REMARKS

- This product is epoxy resin based paint. Same as common other epoxy paint, THERMOTECT EP will chalk and discolour with direct outdoor 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.

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.

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

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ISSUED DATE: 06/08/2018