## Technical Data

### RUSGON TOPCOAT

#### GENERIC TYPE
Alkyd Enamel

#### DESCRIPTION
Long oil and alkyd resin topcoat

#### RECOMMENDED USE
- Steel structure at moderate corrosive environment
- Free from heavy metals such as lead or chromium
- Good appearance and good gloss retention
- Good weather resistance
- Good application workability and good adhesion to undercoat
- Conform to JIS K5516 type 2

### PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>White and colours</td>
</tr>
<tr>
<td>Finish</td>
<td>Full gloss</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>51 %</td>
</tr>
<tr>
<td>Typical Thickness</td>
<td>Dry: 25 microns / coat</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>20.3 m²/L at 25 microns DFT</td>
</tr>
<tr>
<td>Flash Point</td>
<td>41°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.26 g/cm³ (White)</td>
</tr>
<tr>
<td>VOC</td>
<td>391 g/L</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Non-continuous: 120°C, Continuous: 80°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-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) or power tool cleaning (ISO8501-1 St 3 or SSPC SP3).
- 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
- Stir paint in container with power agitator well before using.
- Not required

#### Induction Time
- Airless spray
  - Nozzle pressure: Not less than 10MPa
  - Nozzle Tip: No.163-513~717
  - Thinner: Paint Thinner A (0~10% by weight)
  - Power mix thinner if required.

#### Application Method
- Brush/Roller
  - Nozzle pressure: Not less than 10MPa
  - Nozzle Tip: No.163-513~717
  - Thinner: Paint Thinner A (0~5% by weight)

*Too much thinning results sagging and slower cure.*
**RUSGON TOPCOAT**

Clean all the equipment with thinner immediately after use.

<table>
<thead>
<tr>
<th>Clean Up</th>
<th>5 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drying Time</td>
<td>5 °C</td>
<td>20 °C</td>
<td>30 °C</td>
</tr>
<tr>
<td>Surface dry</td>
<td>4 hour(s)</td>
<td>2 hour(s)</td>
<td>2 hour(s)</td>
</tr>
<tr>
<td>Touch dry</td>
<td>20 hour(s)</td>
<td>8 hour(s)</td>
<td>6 hour(s)</td>
</tr>
</tbody>
</table>

*Use all mixed paint within pot life.

<table>
<thead>
<tr>
<th>Overcoating Interval</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>10 day(s)</td>
<td>10 day(s)</td>
<td>7 day(s)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Typical undercoat</th>
<th>RUSGON PRIMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical topcoat</td>
<td>–</td>
</tr>
</tbody>
</table>

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**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**

24 months from date of production

**GENERAL REMARKS**

- This product is not recommended for continuous water immersion.
- Make sure that paint film shall be dry enough to be overcoated before applying subsequent coat. Lifting or wrinkling may occur if overcoated on insufficient drying status.
- Too thick application may result very slow dry especially at low temperature.
- Too much dilution may cause color floating. Avoid excess dilution.
- This product is not suitable for alkali surface such as concrete, mortar or slate, etc.

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

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