DESCRIPTION

A heat resisting paint, based on silicon alkyd/ acrylic resin.

PRINCIPAL CHARACTERISTICS

- Single component
- Heat resistant paint up to 200°C
- Has excellent weathering resistance
- Good gloss and color retention
- Suitable for application over inorganic zinc silicate paint or directly onto blast cleaned steel

RECOMMENDED USE

For protection of heated pipelines, exhaust pipes and others, heated surface up to 200°C.

SPECIFICATION DATA AT 20°C

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gloss</td>
<td>Eggshell</td>
</tr>
<tr>
<td>Colour</td>
<td>Aluminium, black, white, gray, oxide red, yellow, green, brown, oxide yellow, red</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.20 ± 0.10 kg / litre</td>
</tr>
<tr>
<td>Solids by volume</td>
<td>35 ± 2%</td>
</tr>
<tr>
<td>Recommended Dry film thickness</td>
<td>35 microns</td>
</tr>
<tr>
<td>Recommended Wet film thickness</td>
<td>100 microns</td>
</tr>
<tr>
<td>Coverage theoretical</td>
<td>10.0 m² / litre – 35 microns</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drying time</th>
<th>Temperature</th>
<th>Touch dry</th>
<th>Hard dry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>26°C</td>
<td>30 minutes</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>32°C</td>
<td>25 minutes</td>
<td>2.5 hours</td>
</tr>
<tr>
<td></td>
<td>36°C</td>
<td>20 minutes</td>
<td>2 hours</td>
</tr>
<tr>
<td></td>
<td>40°C</td>
<td>15 minutes</td>
<td>1 hour</td>
</tr>
</tbody>
</table>

Full cure

Painting interval

Min : 12 hours ; max : unlimited

VOC

Max. 550 g/litre

Flash point (DIN 53213)

26°C

Pot life

-

Service temperature

Continuous : 200°C

Periodic up to 220°C

Shelf life

12 months (cool and dry place)

SURFACE PREPARATION

New steel and maintenance; blast cleaned to SSPC-SP 10

Suitable shop-primer; inorganic zinc silicate type.
**CONDITION OF APPLICATION**

Temperature: minimum 10°C ; maximum 50°C  
Relative humidity: maximum 85%  
Substrate temperature should be at least 3°C above dew point.

**SYSTEM SPECIFICATION**

Preceding coat : SIMATHERM HR PRIMER 200°C; SIMAZINC SILICATE MC; or according to specification

**INSTRUCTION FOR USE**

Stir well before use.  
The temperature of the paint should be above 15°C; otherwise extra thinner may be required to obtain application viscosity.  
Too much solvent result in lower sag resistance.

**APPLICATION DETAILS**

<table>
<thead>
<tr>
<th>Method of application</th>
<th>Airless spray</th>
<th>Air spray</th>
<th>Brush/Properly Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thinner No.</td>
<td>43-00</td>
<td>43-00</td>
<td>43-00</td>
</tr>
<tr>
<td>Volume of thinner</td>
<td>5 %</td>
<td>5 %</td>
<td>0 %</td>
</tr>
<tr>
<td>Nozzle orifice</td>
<td>0.018” (0.48 mm)</td>
<td>2 mm</td>
<td>-</td>
</tr>
<tr>
<td>Nozzle pressure</td>
<td>120 Bar/1700psi</td>
<td>4 bar / 57 psi</td>
<td>-</td>
</tr>
<tr>
<td>Cleaning solvent</td>
<td>Sima Thinner 43-00</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**SAFETY PRECAUTION**

- Avoid contact with the skin and eyes.  
- Wear suitable protective clothing such as overalls, goggles, dust mask and gloves.  
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe the vapour or spray.  
- This product is flammable.  
- Keep away from sources of ignition. Do not smoke.

**HEALTH AND SAFETY:** For detailed information on the health and safety hazards and precaution for use of this product, please see the MATERIAL SAFETY DATA SHEET.

**PACKING SIZE AND STORAGE**

Packing size (one pack product) : 5 and 20 litres  
Storage  
The product must be storage in accordance with national regulation. Preferred storage conditions are to keep the containers in the dry space provided with adequate ventilation. The containers should be sealed tightly

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