DESCRIPTION

A heat resisting paint, based on silicon resin pigmented with aluminium.

PRINCIPAL CHARACTERISTICS

- Heat resistant paint up to 600°C
- Good weathering retention
- Good oil resistant
- Suitable for application over inorganic zinc silicate paint, or directly into blast cleaned steel
- Can be applied at high temperatures steel surface up to 200°C

RECOMMENDED USE

For protection of heated pipelines, exhaust pipes and others, heated surface up to 600°C.

SPECIFICATION DATA AT 20°C

Gloss Eggshell
Colour Aluminium.
Specific gravity 1.10 ± 0.1 kg / litre
Solids by volume 27 ± 1 %
Recommended Dry film thickness : 30 microns
Wet film thickness : 111 microns
Coverage theoretical 9 m² / liter for 30 microns

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Touch dry</th>
<th>Hard dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>26°C</td>
<td>1.5 hours</td>
<td>8 hours</td>
</tr>
<tr>
<td>32°C</td>
<td>1.25 hours</td>
<td>7 hours</td>
</tr>
<tr>
<td>36°C</td>
<td>1.0 hour</td>
<td>6 hours</td>
</tr>
<tr>
<td>40°C</td>
<td>0.75 hours</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

Full cure -

Painting interval Min : 16 hours ; max : unlimited
VOC Max. 585 g/litre
Flash point (DIN 53213) 26°C
Pot life -
Service temperature Continuous : 600°C
Periodic : up to 600°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 ATP 600°C

INSTRUCTION FOR USE

Stir well before use, preferable by mechanical mixer to ensure good homogeneity.
The temperature of the paint should be above 15°C, otherwise extra thinner may be required to obtain application viscosity.
This product use with special method application. (Contact the Technical Service).

APPLICATION DETAILS

<table>
<thead>
<tr>
<th>Method of application</th>
<th>Airless spray</th>
<th>Air spray</th>
<th>Brush</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thinner No.</td>
<td>43-03</td>
<td>43-03</td>
<td>43-03</td>
</tr>
<tr>
<td>Volume of thinner</td>
<td>0 %</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 43-03</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

The 6th Edition

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