TEMAL 600 HB

DESCRIPTION
A silicone aluminium paint.

PRODUCT FEATURES AND RECOMMENDED USES
♦ Resistant to temperatures up to + 650 ºC / 1200 ºF dry heat on steel without priming and + 400 ºC / 750 ºF when applied over a zinc silicate paint.
♦ Can be applied by airless spray equipment.
♦ Exteriors of steel structures exposed to high temperatures.
♦ Suitable for fireplace doors, flues, exhaust pipes, sauna stoves and other hot metal surfaces.

TECHNICAL DATA

Volume solids 34 ± 2 %. (ISO 3233)

Weight solids 51 ± 2 %.

Specific gravity 1.2 kg / l

Product code 006 7682

Recommended film thicknesses and theoretical coverage

<table>
<thead>
<tr>
<th>Recommended film thicknesses</th>
<th>Theoretical coverage</th>
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<tbody>
<tr>
<td>dry 25 µm 75 µm</td>
<td>13.6 m²/l</td>
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</table>

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

<table>
<thead>
<tr>
<th>DFT 25 µm</th>
<th>+ 10 ºC</th>
<th>+ 23 ºC</th>
<th>+ 35 ºC</th>
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</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>30 min</td>
<td>15 min</td>
<td>10 min</td>
</tr>
<tr>
<td>Touch dry</td>
<td>2 h</td>
<td>1 h</td>
<td>30 min</td>
</tr>
<tr>
<td>Recoatable</td>
<td>3 h</td>
<td>2 h</td>
<td>1 h</td>
</tr>
<tr>
<td>Final cure and hardness will be obtained</td>
<td>by curing at + 230 ºC / 445 ºF</td>
<td></td>
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</table>

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Metalllic lustre.

Colours Aluminium.
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APPLICATION DETAILS

Surface preparation: Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.

Zinc silicate surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)

Primer: TEMASIL 90.

Finish: TEMAL.

Application conditions: All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C / 41 °F during application. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 38 °F above the dew point.

Application: By airless or conventional spray or by brush. Mix the paint thoroughly before use. Depending on the application method the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.011" - 0.013", spray angle shall be chosen according to the shape of the object.

Thinner: Thinner 1006.

Cleaning of equipment: Thinner 1006.

VOC: The Volatile Organic Compounds amount to 570 ± 20 g/litre of paint.

HEALTH AND SAFETY: Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Coatings Oy.

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