TEMACRYL AR 50

DESCRIPTION
A physically drying, one component semi-gloss acrylic based topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

♦ High film build properties.
♦ Can be applied at low temperatures.
♦ Recommended for surfaces exposed to marine or industrial climates and mild chemical attack, such as bridges, cranes, conveyors, harbour equipment and tank exteriors.
♦ Tolerates temperatures up to 80 ºC / 175 ºF dry heat.

TECHNICAL DATA

Volume solids
40 ± 2 %. (ISO 3233)

Weight solids
55 ± 2 %.

Specific gravity
1.1 - 1.3 kg / l depending on colour.

Product code
198-series.

Recommended film thicknesses and theoretical coverage

<table>
<thead>
<tr>
<th>Recommended film thicknesses</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>dry</td>
<td>wet</td>
</tr>
<tr>
<td>40 µm</td>
<td>100 µm</td>
</tr>
<tr>
<td>70 µm</td>
<td>175 µm</td>
</tr>
</tbody>
</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 50 µm</th>
<th>+ 10 ºC</th>
<th>+ 23 ºC</th>
<th>+ 35 ºC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>1½ h</td>
<td>1 h</td>
<td>½ h</td>
</tr>
<tr>
<td>Touch dry</td>
<td>4 h</td>
<td>3 h</td>
<td>1 h</td>
</tr>
<tr>
<td>Recoatable</td>
<td>5 h</td>
<td>4 h</td>
<td>3 h</td>
</tr>
</tbody>
</table>

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

Finish
Semi-gloss.

Colours
RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. TEMASPEED tinting.
The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions of for inappropriate purposes.

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APPLICATION DETAILS

Surface preparation  Primed 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  TEMANYL MS PRIMER, TEMASIL 90, TEMAZINC 77 and 99.

Finish  TEMACRYL AR 50.

Application conditions  All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below -5 ºC / 23 ºF during application and drying. Relative humidity should not exceed 85 %. The surface temperature of the steel should remain at least 3 ºC / 38 ºF above the dew point.

Application  By airless spray or brush. Mix the paint thoroughly before use. Depending on the application method the paint can be thinned 0 - 15 %. Airless spray nozzle tip 0.013" - 0.019", spray angle shall be chosen according to the shape of the object.

Thinner  Thinner 1006 or Thinner 1053.

Cleaning of equipment  Thinner 1006 or Thinner 1053.

VOC  The Volatile Organic Compounds amount to 530 ± 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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