TEMATHANE 90

DESCRIPTION
A two component, glossy polyurethane paint, hardener aliphatic isocyanate.

PRODUCT FEATURES AND RECOMMENDED USES
♦ Recommended as a glossy topcoat for epoxy and polyurethane systems exposed to weathering.
♦ Excellent weathering and abrasion resistance.
♦ A durable, easy to clean and non-chalking topcoat with good gloss and colour retention.
♦ Recommended for painting of outside of storage tanks, steel buildings and other steelwork.

TECHNICAL DATA

Volume solids 55 ± 2 %. (ISO 3233)
Weight solids 66 ± 2 %.
Specific gravity 1.2 ± 0.1 kg / l (mixed)
Mixing ratio and product codes Base 9 parts by volume 516-series
Hardener 1 part by volume 008 7620
Pot life 4 hours (23 ºC / 74 ºF)

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</td>
<td>wet</td>
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<tr>
<td>40 µm</td>
<td>75 µm</td>
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Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

<table>
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<tr>
<th>DFT 40 µm</th>
<th>+ 5 ºC</th>
<th>+ 10 ºC</th>
<th>+ 23 ºC</th>
<th>+ 35 ºC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>45 min</td>
<td>30 min</td>
<td>20 min</td>
<td>10 min</td>
</tr>
<tr>
<td>Touch dry</td>
<td>12 h</td>
<td>8 h</td>
<td>4 h</td>
<td>2½ h</td>
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Recoatable No limitations.

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

Finish Glossy.

Colours RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. TEMASPEED tinting.
TEMATHANE 90

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

Finish
TEMATHANE and TEMADUR.

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

Mixing components
First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.

Application
By airless or conventional spray or by brush. In order to obtain an even, non-porous finish, spray a misty coat: first a thin layer, then let the solvents evaporate from 5 to 30 minutes and then apply the full coat. Depending on the application method and the temperature of the components (base, hardener, thinner) the paint can be thinned 25 - 35 %. The viscosity should be 20 - 25 s DIN4. Airless spray nozzle tip 0.011“ - 0.013”; pressure 120 - 160 bar, spray angle shall be chosen according to the shape of the object. At conventional spray the viscosity should be 20 - 25 s DIN 4. At brush application the paint should be thinned according to the circumstances.

Thinner
Thinner 1048 or 1067. Thinner 1061 is also suitable for conventional spraying.

Cleaning of equipment
Thinner 1048, 1067 or 1061.

VOC
The Volatile Organic Compounds amount to 425 ± 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.

For professional use only.

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.