TEMACOAT GPL-S MIO

DESCRIPTION
A two component, polyamide cured epoxy paint pigmented with micaceous iron oxide.

PRODUCT FEATURES AND RECOMMENDED USES
- Forms a very strong and durable coat due to the micaceous iron oxide pigment.
- No limitations regarding recoating interval.
- Used as an intermediate coat for epoxy systems exposed to severe climatic attack.
- Recommended for bridges, exteriors of tanks, steel frameworks, conveyors, tubular bridges and other steelwork and equipment.

TECHNICAL DATA

Volume solids 60 ± 2 %.
Density 1.6 kg / litre (mixed).
Product codes and mixing ratio
- Base 4 parts by volume 008 7520-1
- Hardener 1 part by volume 008 5600
Pot life 6 hours (23 °C/ 74 °F)

<table>
<thead>
<tr>
<th>Film thickness and theoretical coverage</th>
<th>Film thickness</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>application range</td>
<td>100 - 210 µm</td>
<td>60 - 125 µm</td>
</tr>
<tr>
<td>typical</td>
<td>135 µm</td>
<td>80 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 80 µm</th>
<th>+ 5 °C</th>
<th>+ 10 °C</th>
<th>+ 23 °C</th>
<th>+ 35 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>2 h</td>
<td>1 h</td>
<td>½ h</td>
<td>15 min</td>
</tr>
<tr>
<td>Touch dry</td>
<td>12 h</td>
<td>6 h</td>
<td>2½ h</td>
<td>1½ h</td>
</tr>
<tr>
<td>Recovable, with epoxy paints</td>
<td>20 h</td>
<td>6 h</td>
<td>2 h</td>
<td>1 h</td>
</tr>
<tr>
<td>Recovable, with polyurethane paints</td>
<td>32 h</td>
<td>18 h</td>
<td>8 h</td>
<td>5 h</td>
</tr>
</tbody>
</table>

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

Thinner Thinner 1031.
Cleaning of equipment Thinner 1031.
Finish Matt.
Colours Red, grey.
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APPLICATION DETAILS

Surface preparation
Primed surfaces: Remove water soluble salts, oil and grease and other contaminants which may harm coating. Let the surfaces dry and remove dust. Touch up damages in the primer coat. (ISO 12944-4).

Primer
TEMAZINC 99, TEMACOAT GPL-S PRIMER, TEMABOND epoxy paints.

Finish
TEMACOAT GPL, TEMACOAT GS and TEMACOAT RM epoxy paints and TEMADUR polyurethane paints.

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 and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 5 °F above the dew point.

Application
By spray or brush. Mixing ratio 4:1 (base:hardener). The correct proportions of base and hardener must be mixed thoroughly before use, mechanical stirring is recommended. At airless spray application the paint should be thinned 0-10 %. Airless spray nozzle tip 0.015”-0.021”; pressure 120-180 bar, spray angle shall be chosen according to the shape of the object. At brush application the paint should be thinned according to the circumstances.

VOC
The Volatile Organic Compounds amount to 330 ± 20g/litre of paint.

HEALTH AND SAFETY
At all times observe precautionary notices on containers. Further information about hazardous influences and protection against those are described in Safety Data Sheet. A health and safety data sheet is available on request from Tikkurila Coatings OY.

As a general rule, avoid inhalation and skin contact and provide sufficient ventilation. Splashes on skin have to be washed off immediately. Splashes in eyes, rinse with plenty of water and consult a medical centre if the irritation continues.

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 or for inappropriate purposes.