**FONTELAC 90**

**DESCRIPTION**
A waterborne, one component high gloss top coat based on polyurethane dispersion.

**PRODUCT FEATURES AND RECOMMENDED USES**
- Suitable for product painting in metal industry and for painting stations.
- Recommended especially as a high gloss finish for small tanks, agricultural machinery, haulage equipment and other machinery and equipment.
- Good gloss and colour retention in climatic stress.
- Not suitable for immersion or constant humidity.

**TECHNICAL DATA**

| Volume solids | 43 ± 2 %. (ISO 3233) |
| Weight solids | 50 ± 2 %. |
| Specific gravity | 1.2 ± 0.1 kg / l |
| Product code | 202-series |

<table>
<thead>
<tr>
<th>Recommended film thicknesses and theoretical coverage</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>35 µm</td>
<td>12.3 m²/l</td>
</tr>
<tr>
<td>60 µm</td>
<td>7.2 m²/l</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Drying time</th>
<th>+ 10 °C</th>
<th>+ 23 °C</th>
<th>+ 35 °C</th>
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<tbody>
<tr>
<td>DFT 40 µm</td>
<td>10 h</td>
<td>2 - 3 h</td>
<td>½ h</td>
</tr>
<tr>
<td>Dust dry</td>
<td>24 h</td>
<td>4 - 6 h</td>
<td>1 h</td>
</tr>
<tr>
<td>Recoatable</td>
<td>72 h</td>
<td>4 h</td>
<td>2 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**
Glossy.

**Colours**
By request.
### FONTELAC 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**

FONTECRYL 10 and 25, TEMAPRIME AB, TEMAPRIME EE, TEMAPRIME EUR, TEMAPRIME GF and TEMAPRIME ML, TEMAZINC EE 91.

**Finish**

FONTELAC 90.

**Application conditions**

All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 °C / 50 °F during application or drying. Relative humidity should not exceed 70 %. The surface temperature of the steel should remain at least 3 °C / 38 °F above the dew point.

**Application**

By spray, brush or dipping. Depending on the application method the paint can be thinned 0 - 5 %. Airless spray nozzle tip 0.011" - 0.015"; spray angle shall be chosen according to the shape of the object.

**Thinner**

Water.

**Cleaning of equipment**

Water or VO cleaner. The equipment must be cleaned immediately after use before the paint dries.

**VOC**

The Volatile Organic Compounds amount to 85 ± 5 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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