Fontecryl SC-EF 50

DESCRIPTION
A water-borne, one-component fast drying alkyd modified acrylic paint with special anti-corrosive pigments.

PRODUCT FEATURES AND RECOMMENDED USES
- Due to zinc phosphate free nature Fontecryl SC-EF 50 is more environmentally friendly than traditional water-borne corrosion prevention paints
- Can be used as a single-coat paint that forms a tight film with good abrasion resistance
- Excellent sagging resistance, thus enabling a thick paint film to be formed with one application
- Fulfils the requirement of LEED v4 (according to the method accepted for investments realized outside USA), BREEAM, BREEAM-SE and BREEAM-NOR classification system
- Registated in Basta, Sundahus and Byggvarubedömnings
- The M1 classification for low-emitting building materials has been granted by the Finnish Building Information Foundation RTS
- The product is also suitable as a topcoat
- Can be tinted to thousands of colors
- Suitable for product painting in metal industry and painting stations
- Drying times can be shortened by using higher temperatures
- Typical uses are e.g. steel frameworks, machinery and equipment

TECHNICAL DATA

Volume solids 40±2%. (ISO 3233)
Weight solids 50±2%.
Specific gravity 1.2±0.1 kg / l

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>wet 100µm</td>
<td>dry 40µm</td>
</tr>
<tr>
<td>10.0 m²/l</td>
<td></td>
</tr>
<tr>
<td>200µm</td>
<td>80µm</td>
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<tr>
<td>5.0 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.

Drying time

<table>
<thead>
<tr>
<th>DFT 80µm</th>
<th>+15°C</th>
<th>+23°C</th>
<th>+60°C</th>
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</thead>
<tbody>
<tr>
<td>Dust dry, after</td>
<td>1½h</td>
<td>30min</td>
<td>5min</td>
</tr>
<tr>
<td>Touch dry, after</td>
<td>3h</td>
<td>1½h</td>
<td>15min</td>
</tr>
<tr>
<td>Recoatable with the product itself</td>
<td>No limitations</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.

Gloss
Semi-gloss.

Color shades
Temaspeed Fonte tinting.
**Fontecryl SC-EF 50**

**APPLICATION INSTRUCTIONS**

**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.

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)

**Recommended primers**

Fontecryl AP.

**Recommended topcoats**

Fontecryl SC-EF 50.

**Application conditions**

All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +15°C during application and drying. Relative humidity of the air should be between 20–70%. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.

**Application**

Stir the product carefully before use.

For airless spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 0.011”–0.015” and pressure 120–160 bar. Spray angle shall be chosen according to the shape of the object.

For air-assisted airless spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 0.011”–0.015” and pressure 120–140 bar. Atomising air pressure should be 2–3 bar. Spray angle shall be chosen according to the shape of the object.

For conventional spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 1.6–2.0 mm and pressure 2–4 bar.

**Thinners**

Water

**Cleaning of equipment**

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

**VOC**

The Volatile Organic Compounds amount is 45 g/litre of paint. VOC content in paint (thinned 10% by volume) is 41 g/l.

**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 Oyj.

**For industrial and professional use only.**

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.