

# Temalac SC-F 80

## DESCRIPTION

A glossy high-solids single-coat alkyd paint, containing anti-corrosive pigments.

## PRODUCT FEATURES AND RECOMMENDED USES

- Especially designed for use as a single-coat system on steel surfaces. Due to its anti-corrosive pigmentation, the product protects the surface from corrosion
- Easy to apply in high film thicknesses, thus saving time in production
- Contains less volatile organic compounds than conventional alkyd paints, having less impact on the environment
- Recommended as a single coat system for blast cleaned steel surfaces both indoors and outdoors
- Good application properties
- The product has MED (Marine Equipment Directive) certificate no VTT-C-11978-15-17 and is thus accepted for painting surfaces inside the ships
- Recommended for steel framework, service platforms and different types of machinery and equipment

## TECHNICAL DATA

**Volume solids** 56±2% (ISO 3233)

**Weight solids** 72±2%

**Specific gravity** 1.4 kg / l depending on colour.

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
140µm	80µm	7.1 m <sup>2</sup> /l
180µm	100µm	5.6 m <sup>2</sup> /l

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

### Drying time

DFT 80µm	+10°C	+23°C	+35°C
Dust dry, after	30min	20min	10min
Touch dry, after	12h	6h	3h
Recoatable, after	2 weeks	1 week	1 week
Forced drying 1 h / +60°C			

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

### Gloss

Gloss.

### Color shades

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting.

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p>Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1)</p> <p>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)</p>
<b>Recommended primers</b>	Temalac SC-F 80.
<b>Recommended topcoats</b>	Temalac SC-F 80.
<b>Application conditions</b>	<p>All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +5°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. 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.</p>
<b>Application</b>	<p>In order to obtain an even, non-porous finish, spray a misty coat: first a thin layer, then let the solvents evaporate for 3–5 minutes and then apply the full coat.</p> <p>Stir the product carefully before use.</p> <p>For air-assisted airless spraying, product is thinned approximately 5–15%. Recommended nozzle tip is 0.011"–0.013" and pressure 160–200 bar. Atomising air pressure should be 2 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For heated airless spraying, product is thinned approximately 5–15%. Recommended nozzle tip is 0.011"–0.013" and pressure 160–200 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For conventional spraying, product is thinned approximately 15–20%. Recommended nozzle tip is 1.6-1.8 mm and pressure 3–4 bar.</p>
<b>Thinners</b>	Thinner 1006
<b>Cleaning of equipment</b>	Thinner 1006.
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 400 g/litre of paint.</p> <p>VOC content in ready to use paint (thinned 20 % by volume) is 480 g/l.</p>
<b>HEALTH AND SAFETY</b>	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p> <p><b>For industrial and professional use only.</b></p>



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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.