

Temadur SC-F 50

DESCRIPTION A two-component fast-drying gloss polyurethane paint, containing anti-corrosive pigments, hardener aliphatic isocyanate.

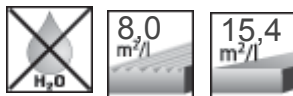
PRODUCT FEATURES Recommended especially to be used as a single coat finish for agricultural and earth moving machinery and other machinery and equipment. Also suitable to be used as a topcoat in epoxy/polyurethane systems exposed to weathering and chemical stress, e.g. storage tank exteriors, steel framework and other steel structures.



[zoom](#)

RECOMMENDED USES Storage tank exteriors, steel framework and other steel structures.

TECHNICAL DATA



Features

Excellent weathering and abrasion resistance. A durable, easy to clean and non-chalking topcoat with good gloss and colour retention.

Coverage

Recommended film thicknesses/one coat application		Theoretical coverage
dry	wet	
80µm	125µm	8.0 m ² /l
120µm	190µm	5.3 m ² /l
Recommended film thicknesses/as a topcoat		Theoretical coverage
dry	wet	
40µm	65µm	15.4 m ² /l
60µm	95µm	10.5 m ² /l

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

Thinner

1048 and 1067

Mixing ratio

Base 4 parts by volume 491 serie
Hardener 1 part by volume 008 7640

Application method

By airless or conventional spray.

Pot-life (+23°C)

app. 1 hour

Drying times

DFT 60 µm	+5°C	+10°C	+23°C	+35°C
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Dust dry, after	2h	1½h	50min	30min
Touch dry, after	8h	6h	3h	2h
Recoatable, after	No limitations.			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. When forced drying in temperatures +50–+100°C, use flash-off time between 5–30 minutes, depending on the wet film thickness and the actual temperature.

Solids volume	63 ± 2 % volume (ISO 3233)
	77 ± 2 % weight
Density	1.4 ± 0.1 kg / l (mixed)
Product code	491 series

APPLICATION DETAILS

Application conditions	<p>All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +5°C during application or drying. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3°C above the dew point.</p> <p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p>
Preparation	<p>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.</p>
Priming	<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> <p>Temadur 20, Temacoat GPL-S Primer, Temacoat GPL-S MIO, Temabond, Temacoat Primer and Temanyl PVB.</p>
Finishing	<p>Temadur and Temathane.</p> <p>By airless or conventional spray.</p>
Painting	<p>Airless spray: depending on the temperature of the components and shape of the object the paint can be thinned 0–15 %. Airless spray nozzle tip 0.011"–0.015" and nozzle pressure 160–200 bar. Spray angle shall be chosen according to the shape of the object. In order to reach thicker coats (over 100 µm) use always "wet-in-wet" technique.</p> <p>At conventional spray the paint should be thinned 15–18 % to a viscosity of 20–25 s/DIN4.</p>
Mixing of components	<p>First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use Temaspeed Squirrel Mixer for mixing.</p>
Cleaning of tools	<p>Thinner 1067 or Thinner 1048.</p>



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EU VOC 2004/42/ EC-limit value The Volatile Organic Compounds amount is 330 g/litre of paint. VOC content in paint (thinned 15% by volume) is 410 g/l.

HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008 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. [Safety data sheet](#)

ENVIRONMENTAL and WASTE DISPOSAL TRANSPORT -
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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.