

Temadur 20

DESCRIPTION	A two-component, semi-matt polyurethane paint containing anti-corrosive pigments, hardener aliphatic isocyanate.
PRODUCT FEATURES	Recommended as a primer for polyurethane systems or as a semi-matt topcoat for epoxy systems exposed to weathering and/or chemical stress. Due to anti-corrosion pigments can also be used as a single coat system for steel, zinc and aluminium surfaces.
RECOMMENDED USES	Recommended for painting of transport and haulage equipment, storage tank exteriors, steel framework and other steel structures, machinery and equipment.


[zoom](#)


TECHNICAL DATA



Features

Excellent weathering and abrasion resistance. The product has MED (Marine Equipment Directive) certificate no VTT-C-11167-15-14 and is thus accepted for painting surfaces inside the ships.

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	70 µm	14.2 m²/l
100 µm	175 µm	5.7 m²/l

Thinner

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

1048 and 1067

Mixing ratio

Base 5 parts by volume 114-s.

Hardener 1 part by volume 008 7590

Application method By airless or conventional spray or by brush.

Pot-life (+23°C) 4 hours

Drying times

DFT 50 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	45 min	30 min	15 min	10 min
Touch dry, after	8 h	6 h	4 h	2 h
Recoatable, after	No limitations.			

Solids volume

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

57 ± 2 volume % (ISO 3233)

70 ± 2 weight %

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Density	1.3 ± 0.1 kg / l (mixed)
Product code	114-series
MED Certificate	VTT C 11167 15 14 Temadur20 50


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> <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> <p>Zinc surfaces: Sweep blast clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.</p>
Preparation	<p>Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 %) before the actual priming.</p> <p>Aluminium surfaces: Sweep blast clean with none-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with MAALIPESU detergent.</p> <p>Stainless steel: Roughen the surface by grinding or sweep blasting using mineral abrasives.</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>Temacoat GPL-S Primer, Temacoat GPL-S MIO, Temacoat RM 40, Temacoat SPA, Temabond and Fontecoat EP 50.</p>
Finishing	<p>Temadur and Temathane.</p>
Painting	<p>By airless or conventional spray or by brush. Depending on the temperature of the components (base, hardener, thinner) and the required viscosity the paint can be thinned 0 - 20 %. Airless spray nozzle tip 0.011" - 0.015" and nozzle pressure 120 - 160 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.</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 mechanical mixer for mixing.</p>
Cleaning of tools	<p>Thinner 1048, 1067 or 1061.</p>



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EU VOC 2004/42/
EC-limit value The Volatile Organic Compounds amount is 420 g/litre of paint mixture.
VOC content of the paint mixture (thinned 20 % by volume) is 490 g/l.
Only for industrial use.

HEALTH AND
SAFETY Containers are provided with safety labels, which should be observed. Further
LABELLING information about hazardous influences and protection are detailed in individual
according to health and safety data sheets. A health and safety data sheet is available on
Regulation (EC) request from Tikkurila Oyj.  [Safety data sheet](#)
No. 1272/2008

ENVIRONMENTAL
and WASTE -
DISPOSAL
TRANSPORT -
-

The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of 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.