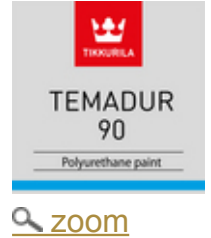


Temadur 90

DESCRIPTION A two-component, glossy polyurethane paint, hardener aliphatic isocyanate.

PRODUCT FEATURES Recommended as a glossy topcoat for epoxy systems exposed to weathering and/or chemical stress.

RECOMMENDED USES Recommended for painting of transport and haulage equipment, storage tank exteriors, steel framework and other steel structures, machinery and equipment. When used in interior wooden surfaces, please see "Application instructions Temadur 90 with hardener 0087596".



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		Theoretical coverage
dry	wet	
40 µm	75 µm	13.7 m ² /l

Thinner

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

1048, 1067 and 1061

Mixing ratio

Base 5 parts by volume 115-series

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 40 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	45 min	30 min	20 min	10 min
Touch dry, after	12 h	8 h	4 h	2½ h
Recoatible, after	No limitations.			

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

Solids volume

55 ± 2 volume % (ISO 3233)

68 ± 2 weight %

Density

1.2 ± 0.1 kg / l (mixed)

Product code

115-series



Temadur 90

APPLICATION DETAILS

Application conditions	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.
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)
Priming	Temacoat GPL-S Primer, Temacoat GF Primer, Temacoat HB Primer, Temacoat PM Primer, Temacoat GPL-S MIO, Temacoat RM 40, Temacoat SPA, Temamastic PM 100, Temabond, Temadur 20, Temadur Primer, Temaprime GF, Fontecoat EP Primer and Fontecryl 10.
Finishing	Temadur and Temathane.
Painting	By airless or conventional spray or by brush. In order to obtain an even, non-porous finish, spray a misty coat: first a thin layer, then let the solvents evaporate for 5 - 30 minutes and then apply the full coat. Depending on the temperature of the components (base, hardener, thinner) the paint can be thinned 10 - 22 %. The viscosity should be 20 - 25 s DIN4. Airless spray nozzle tip 0.011" - 0.013" 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.
Mixing of components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use mechanical mixer for mixing.
Cleaning of tools	Thinner 1048, 1067 or 1061.
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 22 % by volume) is 495 g/l. Only for industrial use.

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

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DISPOSAL

TRANSPORT

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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.