

Temathane 90

- DESCRIPTION** A two component, glossy polyurethane paint, hardener aliphatic isocyanate.
- PRODUCT FEATURES** Recommended to be used as a glossy topcoat for epoxy and polyurethane systems exposed to weathering.
- RECOMMENDED USES** Recommended for painting of outside of storage tanks, steel buildings and other steelwork.

TECHNICAL DATA

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

Colour Cards RAL, NCS, SSG, BS, MONICOLOR NOVA ja SYMPHONY värikartat. Tuote kuuluu TEMASPEED -sävytysjärjestelmään.

Gloss groups Gloss

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	75 µm	13.7 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, 1067 and 1061

Mixing ratio Base 9 parts by volume 516-series
Hardener 1 part by volume 008 7620

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.

Density 1.2 ± 0.1 kg / l (mixed)

Product code 516-series

Temathane 90

APPLICATION DETAILS

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 GPL-S MIO, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER, TEMACOAT RM 40, TEMACOAT SPA, 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 application method and the temperature of the components (base, hardener, thinner) the paint can be thinned 25 - 35 %. 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 conventional spray the viscosity should be 20 - 25 s DIN4. 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 Temaspeed Squirrel Mixer for mixing.
Cleaning of tools	Thinner 1048, 1067 or 1061.
EU VOC 2004/42/EC-limit value	The Volatile Organic Compounds amount is 425 g/litre of paint mixture. VOC content of the paint mixture (thinned 35 % by volume) is 550 g/litre.

HEALTH AND SAFETY CLASSIFICATION

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 Oy.

Product safety data sheet	 TEMATHANE 90 [GB-ENG]
Thinner safety data sheet	 THINNER 1048 [GB-ENG]
Hardener safety data sheet	 HARDENER 008 7620 [GB-ENG]

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.
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