

TEMADUR 90

DESCRIPTION

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

PRODUCT FEATURES AND RECOMMENDED USES • Excellent weathering and abrasion resistance.

- Recommended as a glossy topcoat for epoxy systems exposed to weathering and/or chemical attack.
- ◆ A durable, easy to clean and non-chalking topcoat with good gloss and colour retention.
- Recommended for painting of transport and haulage equipment, storage tank exteriors, steel framework and other steel structures, machinery and equipment.

TECHNICAL DATA

Volume solids $55 \pm 2 \%$. (ISO 3233)

Weight solids $68 \pm 2 \%$.

Specific gravity $1.2 \pm 0.1 \text{ kg / I (mixed)}$

Mixing ratio and product codes

Base 5 parts by volume 115-series Hardener 1 part by volume 008 7590

Pot life 4 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical 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.

Drying time

DFT40 μm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	45 min	30 min	20 min	10 min
Touch dry	12 h	8 h	4 h	2½ h
Recoatable	No limitations.			

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

Finish Glossy.

Colours RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards.

TEMASPEED tinting.

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APPLICATION DETAILS

Surface 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)

Primer TEMACOAT GPL-S PRIMER, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER,

TEMACOAT HS 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

Finish TEMADUR and TEMATHANE.

Application conditions All surfaces must be dry. The temperature of the ambient air, surface or paint should

not fall below +5 $^{\circ}$ C / 41 $^{\circ}$ F during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 $^{\circ}$ C / 38 $^{\circ}$ F

above the dew point.

Mixing components First stir base and hardener separately. The correct proportions of base and hardener

must be mixed thoroughly before use. Use a mechanical agitator for mixing.

Application 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 25 - 35 %. The viscosity should be 20 - 25 s DIN4. Airless spray nozzle tip 0.011" - 0.013"; 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 circumstancies.

Thinner Thinner 1048 or 1067. Thinner 1061 (fast) is also suitable for conventional spraying.

Cleaning of equipment Thinner 1048, 1067 or 1061.

VOC The Volatile Organic Compounds amount to 420 ± 20 g/litre of paint.

HEALTH AND SAFETY 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 Coatings Oy.

For professional use only.

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