

TEMADUR 50

DESCRIPTION

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

PRODUCT FEATURES AND RECOMMENDED USES

• Excellent weathering and abrasion resistance.

- ◆ Recommended as a semigloss topcoat for epoxy and polyurethane systems exposed to weathering and/or chemical stress.
- 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.
- ◆ The product has MED (Marine Equipment Directive) certificate no 0809-MED-0397 and is thus accepted for painting surfaces inside the ships.

TECHNICAL DATA

Volume solids $56 \pm 2 \%$. (ISO 3233)

Weight solids $70 \pm 2 \%$.

Specific gravity $1.3 \pm 0.1 \text{ kg} / \text{I (mixed)}$

Mixing ratio and product codes

Base 5 parts by volume 506-series Hardener 1 part by volume 008 7590

Pot life 4 hours (23 °C)

Recommended film thicknesses and theoretical coverage

Recommended	Theoretical coverage	
dry	wet	
40 μm	70 μm	14.0 m ² /l
60 μm	110 µm	9.3 m ² /l

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

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	2½ h
Recoatable, after	No limitations.			

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

Finish Semigloss.

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 PM PRIMER, TEMACOAT GPL-S MIO, TEMACOAT SPA, TEMACOAT RM 40, 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 °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.

Mixing 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.

Application By airless or conventional spray or by brush. In order to obtain an even, non-porous

finish at the airless spray application the viscosity should be 30 - 60 s DIN4.

Depending on the temperature of the components (base, hardener, thinner) and the required viscosity the paint should be thinned 10 - 30 %. Airless spray nozzle tip 0.011" - 0.017" 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 circumstancies.

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

Cleaning of equipment Thinner 1048, 1067 or 1061.

VOC The Volatile Organic Compounds amount is 420 g/litre of paint mixture.

VOC content of the paint mixture (thinned 30 % by volume) is 530 g/l.

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.

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