

TEMACRYL EA 50

DESCRIPTION

A two component, semi-gloss, non-isocyanate, acrylic finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Excellent weathering and abrasion resistance.
- ◆ A durable, non-chalking and easy to clean topcoat with good gloss and colour retention.
- ◆ Recommended as a semi-gloss topcoat for epoxy systems exposed to weathering and/or chemical attack.
- ◆ Recommended for storage tank exteriors, steel masts, haulage equipment, structural steel and other steelwork, machinery and equipment.

TECHNICAL DATA

Volume solids 50 ± 2 %. (ISO 3233)

Weight solids 62 ± 2 %.

Specific gravity 1.2 ± 0.1 kg / l (mixed)

Mixing ratio and product codes

Base	3 parts by volume	515-series
Hardener	2 part by volume	008 7650

Pot life about 30 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	80 µm	12.5 m ² /l
60 µm	120 µm	8.3 m ² /l

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

Drying time

DFT 40 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	1 h	15 min	10 min
Touch dry	10 h	4 h	2 h
Recoatable	14 h	6 h	3 h

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

Finish Semi-gloss.

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

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APPLICATION DETAILS

Surface preparation	<u>Primed surfaces:</u> 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, GF PRIMER and HB PRIMER, TEMACOAT RM 40, TEMABOND, TEMASIL 90, TEMAPRIME EE and GF, FONTECRYL 10.
Finish	TEMACRYL EA.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C / 41 °F during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 38 °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. At airless spray application the paint can be thinned 10 - 25 % to a viscosity of 30 - 60 s DIN4. Airless spray nozzle tip 0.011" - 0.013", pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. At conventional spray the paint should be thinned 20 - 30 % to a viscosity of 20 - 30 s DIN4. In order to reach a tight, even finish for spray application a "wet-on-wet" technique is recommended: first a thin coat and after the solvents have evaporated for 5 - 20 minutes the final coat.
Thinner	Thinner 1048.
Cleaning of equipment	Thinner 1048 or 1006.
VOC	The Volatile Organic Compounds amount to 480 ± 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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