

# Temacryl EA 50

## DESCRIPTION

A two component, semigloss, 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 semigloss topcoat for epoxy systems exposed to weathering and/or chemical stress.
- ◆ 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 parts by volume	008 7650

**Pot life** about 30 hours (23 °C)

### Recommended film thicknesses and theoretical coverage

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

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

### Drying times

DFT 40 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	1 h	15 min	10 min
Touch dry, after	10 h	4 h	2 h
Recoatable, after	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** Semigloss.

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

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## APPLICATION DETAILS

<b>Surface preparation</b>	<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)
<b>Primer</b>	Temacoat GPL-S Primer, Temacoat GF Primer, Temacoat HB Primer, Temacoat RM 40, Temabond, Temasil 90, Temaprime EE, Temaprime GF and Fontecryl 10.
<b>Finish</b>	Temacryl EA.
<b>Application conditions</b>	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.
<b>Mixing components</b>	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.
<b>Application</b>	By airless or conventional spray. At airless spray application the paint can be thinned 10 - 20 % to a viscosity of 30 - 60 s DIN4. Airless spray nozzle tip 0.011" - 0.013" and nozzle pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. 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.
<b>Thinner</b>	Thinner 1048.
<b>Cleaning of equipment</b>	Thinner 1048 or 1006.
<b>VOC</b>	The Volatile Organic Compounds amount is 480 g/litre of paint mixture. VOC content of paint mixture (thinned 20 % by volume) is 550 g/l.
<b>HEALTH AND SAFETY</b>	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.

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