

TEMACRYL AR 50

DESCRIPTION

A physically drying, one component semigloss acrylic based topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ High film build properties.
- ◆ Can be applied at low temperatures.
- ◆ Recommended for surfaces exposed to marine or industrial climates and mild chemical stress, such as bridges, cranes, conveyors, harbour equipment and tank exteriors.
- ◆ Tolerates temperatures up to 80 °C dry heat.

TECHNICAL DATA

Volume solids 40 ± 2 %. (ISO 3233)

Weight solids 55 ± 2 %.

Specific gravity 1.1 - 1.3 kg / l depending on colour.

Product code 198-series.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	100 µm	10.0 m ² /l
70 µm	175 µm	5.7 m ² /l

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

Drying times

DFT 50 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	1½ h	1 h	½ h
Touch dry, after	4 h	3 h	1 h
Recoatable, after	5 h	4 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

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	TEMANYL MS PRIMER, TEMASIL 90, TEMAZINC 77, TEMAZINC 88 and TEMAZINC 99.
Finish	TEMACRYL AR 50.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below - 5 °C during application and drying. Relative humidity should not exceed 85 %. The surface temperature of the steel should remain at least 3 °C above the dew point.
Application	By airless spray or brush. Mix the paint thoroughly before use. Depending on the application method the paint can be thinned 0 - 15 %. Airless spray nozzle tip 0.013" - 0.019" and pressure 120 -180 bar. Spray angle shall be chosen according to the shape of the object.
Thinner	Thinner 1006 or Thinner 1053.
Cleaning of equipment	Thinner 1006 or Thinner 1053.
VOC	The Volatile Organic Compounds amount is 540 g/litre of paint. VOC of the paint (thinned 15 % by volume) is 590 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 Oy.

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