

TEMALUX 50

DESCRIPTION

A two component semi-gloss high build oxirane ester paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Suitable for both industrial finishing and heavy-duty anticorrosion coating for steel surfaces.
- ◆ Can be used both as a primer and as a topcoat.
- ◆ Environmentally more friendly and for users a more safe alternative than epoxy and polyurethane paints. High volume solids and does not contain any amines or isocyanates.
- ◆ Can be cured at higher temperatures.
- ◆ Not suitable for immersion.

TECHNICAL DATA

Volume solids 65 ± 2 %. (ISO 3233)

Weight solids 78 ± 2 %.

Specific gravity 1.3 - 1.5 kg / l (mixed) depending on colour.

Mixing ratio and product codes
Base 3 parts by volume 518-series
Hardener 2 part by volume 008 7660

Pot life 8 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
60 µm	95 µm	10.8 m ² /l
120 µm	185 µm	5.4 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 100 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	3 h	1½ - 2 h	1 h
Touch dry	16 h	6 - 8 h	4½ h
Recoatable	3 h	2 h	1 h
"Dry to handle" at increased temperature	30 min/80 °C	20 min/120 °C	15 min/150 °C

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.

TEMALUX 50

APPLICATION DETAILS

Surface preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) <u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion. <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	TEMALUX 50, TEMALUX PRIMER, TEMAPRIME EE and FONTECRYL 10.
Finish	TEMALUX 50, 70 and 90.
Application conditions	All surfaces must be dry. The temperature of the ambient air, steel surface and the paint should not fall below +10 °C / 50 °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 approximately 15 minutes before use. Use a mechanical agitator for mixing.
Application	By spray or brush. Depending on the application method the paint can be thinned 0 - 15 %. Airless spray nozzle tip 0.013" - 0.021"; spray angle shall be chosen according to the shape of the object.
Thinner	Thinner 1006, Thinner 1280 or Thinner 1082. The suitable thinner depends on the painting conditions.
Cleaning of equipment	Thinner 1006, 1280 or 1082.
VOC	The Volatile Organic Compounds amount to 310 ± 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.

tmk020802/518-s, 008 7660