

TEMACOAT GPL

DESCRIPTION

A two component, amine adduct cured epoxy finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Used especially as a finishing coat in epoxy systems exposed to heavy abrasion and/or chemical stress. Also suitable for concrete floors.
- ◆ Withstands +150 °C dry heat and + 60 °C in immersion.
- ◆ Withstands immersion in dilute solutions of non-oxidizing acids, alkalis and salts. Resists only temporary splashes of oxidizing acids and bleaching solutions.
- ◆ Withstands chemically active gases and dust.
- ◆ Withstands immersion in mineral/vegetable/animal fats and oils.
- ◆ Recommended for bridges, tanks and different types of steelwork and equipment in the wood processing and chemical industries, such as tubular bridges, conveyors, paper machines etc.

TECHNICAL DATA

Volume solids 55 ± 2 %. (ISO 3233)

Weight solids 68 ± 2 %.

Specific gravity 1.3 - 1.4 kg / l (mixed) depending on colour.

Mixing ratio and product codes
Base 3 parts by volume 170-series.
Hardener 1 part by volume 008 7580

Pot life 5 hours (23 °C)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
50 µm	90 µm	11.0 m ² /l
100 µm	185 µm	5.5 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 60 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	3 h	2 h	1 h
Touch dry, after	10 h	5 h	2 h
Recoatable, after	10 h	4 h	2 h
Recoatable in immersion, after	32 h	16 h	8 h

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

Finish Glossy.

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

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APPLICATION DETAILS

Surface preparation	<p><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)</p> <p><u>Concrete surfaces:</u> The surface must be dry and at least 4 weeks old. The relative humidity of the concrete should not exceed 97%. Remove any splashes and unevennesses by grinding. Remove laitance and form oil from concrete castings by sanding or blast cleaning. Any cracks, crevices and voids must be repaired with a mixture of TEMAFLOOR 200 and fine dry quartz sand.</p>
Primer	TEMACOAT GPL-S PRIMER, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER, TEMACOAT PM PRIMER, TEMACOAT GPL-S MIO, TEMACOAT SPA, TEMALINE LP PRIMER, TEMAMASTIC PM 100, TEMABOND and FONTECOAT EP PRIMER.
Finish	TEMACOAT GPL.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 °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 spray or brush. At spray application the paint should be thinned 5 - 15 %. 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 can be thinned according to the circumstances.
Thinner	Thinner 1031.
Cleaning of equipment	Thinner 1031.
VOC	The Volatile Organic Compounds amount is 430 g/litre of paint mixture. VOC content of the paint mixture (thinned 15 % by volume) is 495 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.