

TEMACOAT GPL-S MIO

DESCRIPTION A two component, polyamide cured epoxy paint pigmented with micaceous iron oxide.

PRODUCT FEATURES AND RECOMMENDED USES

- ☞ Forms a very strong and durable coat due to the micaceous iron oxide pigment.
- ☞ No limitations regarding recoating interval.
- ☞ Used as an intermediate coat for epoxy systems exposed to severe climatic attack.
- ☞ Recommended for bridges, exteriors of tanks, steel frameworks, conveyors, tubular bridges and other steelwork and equipment.

TECHNICAL DATA

Volume solids 60 ± 2 %.

Density 1.6 kg / litre (mixed).

Product codes and mixing ratio

Base	4 parts by volume	008 7520-1
Hardener	1 part by volume	008 5600

Pot life 6 hours (23 °C/ 74 °F)

Film thicknesses and theoretical coverage

	Film thickness		Theoretical coverage
	wet	dry	
application range	100 - 210 µm	60 - 125 µm	10.0 - 4.8 m ² /l
typical	135 µm	80 µm	7.5 m ² /l

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

Drying time

	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
DFT 80 µm				
Dust dry	2 h	1 h	½ h	15 min
Touch dry	12 h	6 h	2½ h	1½ h
Recoatible, with epoxy paints	20 h	6 h	2 h	1 h
Recoatible, with polyurethane paints	32 h	18 h	8 h	5 h

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

Thinner Thinner 1031.

Cleaning of equipment Thinner 1031.

Finish Matt.

Colours Red, grey.

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APPLICATION DETAILS

Surface preparation Primed surfaces: Remove water soluble salts, oil and grease and other contaminants which may harm coating. Let the surfaces dry and remove dust. Touch up damages in the primer coat. (ISO 12944-4).

Primer TEMAZINC 99, TEMACOAT GPL-S PRIMER, TEMABOND epoxy paints.

Finish TEMACOAT GPL, TEMACOAT GS and TEMACOAT RM epoxy paints and TEMADUR polyurethane paints.

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 and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 5 °F above the dew point.

Application By spray or brush. Mixing ratio 4:1 (base:hardener). The correct proportions of base and hardener must be mixed thoroughly before use, mechanical stirring is recommended. At airless spray application the paint should be thinned 0-10 %. Airless spray nozzle tip 0.015"-0.021"; pressure 120-180 bar, spray angle shall be chosen according to the shape of the object. At brush application the paint should be thinned according to the circumstances.

VOC The Volatile Organic Compounds amount to 330 ± 20g/litre of paint.

HEALTH AND SAFETY

At all times observe precautionary notices on containers. Further information about hazardous influences and protection against those are described in Safety Data Sheet.

A health and safety data sheet is available on request from Tikkurila Coatings OY.

As a general rule, avoid inhalation and skin contact and provide sufficient ventilation. Splashes on skin have to be washed off immediately. Splashes in eyes, rinse with plenty of water and consult a medical centre if the irritation continues.

For professional use only