

## TEMACOAT GPL-S AN 100

**DESCRIPTION** A two component, polyamide-cured epoxy paint.

**PRODUCT FEATURES AND RECOMMENDED USES**

- ◆ Good adhesion to steel, zinc and aluminium surfaces.
- ◆ Used as a primer or an intermediate coat in camouflage paint systems T110, T111, T113, T130 and as a topcoat in indoor camouflage paint systems T112, T114 and T131.
- ◆ Can be used as an intermediate coat on zinc-rich epoxy and zinc silicate paints.
- ◆ Rapidly recoatable.

### TECHNICAL DATA

Volume solids 55 ± 2 %. (ISO 3233)

Weight solids 69 ± 2 %.

Specific gravity 1.4 kg / litre (mixed).

Mixing ratio and product codes

Base	4 parts by volume	930 0207
Hardener	1 part by volume	008 5600 or 008 5605 (fast)

Pot life 6 hours (23 °C) with Hardener 008 5600  
3 hours (23 °C) with Hardener 008 5605

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	80 µm	13.7 m <sup>2</sup> /l
80 µm	150 µm	6.8 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 70 µm		+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	with Hardener 008 5600	2 h	1 h	½ h	15 min
	with Hardener 008 5605	1½ h	¾ h	½ h	12 min
Touch dry, after	with Hardener 008 5600	11 h	5 h	2½ h	2 h
	with Hardener 008 5605	6 h	3 h	2 h	1½ h
Reacoatable with epoxy paints, min.	with Hardener 008 5600	20 h	6 h	2 h	1 h
	with Hardener 008 5605	12 h	4 h	1½ h	¾ h
Reacoatable with polyurethane paints, min.	with Hardener 008 5600	32 h	18 h	6 h	3 h
	with Hardener 008 5605	18 h	12 h	4 h	2 h

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

Finish Matt.

Colours AN 100, dark green.

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## APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><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.</p> <p><u>Zinc surfaces:</u> Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.</p> <p>Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 %) before the actual priming.</p> <p><u>Aluminium surfaces:</u> Sweep blast-clean with none-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with FONTECLEAN AL detergent.</p> <p><u>Stainless steel:</u> Roughen the surface by grinding or sweep blasting using mineral abrasives.</p> <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>
Primer	TEMACOAT GPL-S AN 100, TEMACOAT GPL-S PRIMER, TEMABOND, TEMAZINC 77, TEMAZINC 88, TEMAZINC 99 and TEMASIL 90.
Finish	TEMADUR AN.
Application conditions	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.
Application	By spray or brush. At airless spray application the paint can be thinned 5 - 15 % by volume. 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 conventional spray the paint can be thinned 20 - 30 % to a viscosity of 20 - 30 s DIN4. At brush application the paint can be thinned if needed.
<b>Thinner</b>	Thinner 1031.
<b>Cleaning of equipment</b>	Thinner 1031.
VOC	The Volatile Organic Compounds amount is 440 g/litre of paint mixture. VOC content of the paint mixture (thinned 30 % by volume )is 540 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 Oyj.