

PROTEGACOAT GF PRIMER

(Formerly Temacoat MSP)

DESCRIPTION

Two pack epoxy, solvent borne primer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Suitable for agricultural and earth moving equipment.
- ◆ High build epoxy primer.
- ◆ Suitable for application by conventional and airless spray.
- ◆ Excellent adhesion to thoroughly degreased mild steel, shot blasted steel or phosphated steel (preferred).

TECHNICAL DATA

Volume solids 42 ± 5% mixed (ISO 3233) depending on colour.

Weight solids 60 ± 5% depending on colour.

Viscosity 4.0 – 6.0 poise @ 25°C unmixed, depending on colour.

Specific gravity 1.3 – 1.5 unmixed, depending on colour.

Product code Base 3377 series
Hardener 4065 011 (mix ratio varies depending on the colour from 2:1 to 3.5:1)

Pot life 4 hours @20°C and 1 bar pressure to double in viscosity.
Note: Gel time is 8 hours @25°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
25 µm	60 µm	16.8 m ² /l
45 µm	107 µm	9.3 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

	+ 23 °C
DFT 45 µm	
Flash off time	10 – 15 mins
Air dry	1 – 2 hours touch dry, hard overnight
Force dry	20 – 30 mins @ 60 – 80°C
Overcoating	Wet-on-wet after 15 – 20 mins

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

Finish Semi-matt.

Colours Buff, Black, Grey and Honey Yellow.

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APPLICATION DETAILS

Surface preparation	Surfaces should be clean and dry and free from oil, grease, salts, dirt and general contamination. Preliminary cleaning: remove oil grease with a suitable detergent. Remove salt and other contaminants by fresh water cleaning and allow to dry (ISO 12944-4). Pre-treatment improves adhesion and reduces corrosion under the paint film. The type of pre-treatment depends on the requirements for corrosion protection e.g. <ol style="list-style-type: none">1. Zinc phosphate with Cr-VI passivation.2. Iron phosphate with demineralised water rinsing (insufficient rinsing can lead to the osmotic formation of bubbles).3. Alkaline or neutral degreasing.4. Clean steel.
Application conditions	Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.
Mixing	Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator.
Application	Ensure the correct catalyst (4065 011) and ratio are used and mix the paint thoroughly before use. Note: the ratio varies depending on the colour from 2:1 to 3.5:1. Airless spray application viscosity 4.5 – 5.5 poise @25°C mixed. Typical tip sizes employed are 11 – 13 thou. Suitable for spraying by conventional air spray when thinned to 30 – 45 seconds BSB4 @ 25°C (non compliant).
Thinner	1728 Thinner.
Cleaning of equipment	Remove remaining paint from equipment, flush thoroughly with 1728 Thinner until solvent appears uncontaminated.
FLASH POINT	22 - 32°C
STORAGE	Store in dry, cool conditions and protect from frost.
VOC	Volatile Organic Compound content: 512 ± 20 gm/lt, varies with colour & mix ratio.
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 Protega Coatings Ltd.
PRODUCT NOTES	Typically, epoxies will not cure below 5°C, for optimum performance a minimum of 10°C should be reached. Product will chalk on prolonged exterior exposure, the degree of which is subject to atmospheric conditions.