

TEMACOAT GPL

(formerly also called Temafloor 50)

DESCRIPTION

A two component epoxy finish and floor coating with good chemical resistance.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ A versatile high build epoxy coating, giving up to 150 microns dft by spray.
- ◆ Suitable for new and old concrete, wood and other types of floor surfaces, which are subject to moderate mechanical and chemical wear, in warehouses, industrial facilities, etc.
- ◆ An anti-slip finish can be obtained if required – see over.
- ◆ Will protect in urban, marine and industrial environments and is suitable for immersion.
- ◆ Can be applied as a thin film glossy topcoat by brush or airless spray.
- ◆ Withstands immersion in dilute solutions of non oxidising acids, alkalis and salts, accidental splashes of oxidising acids or bleaching agents and is resistant to attack from gases and chemically active dust (at normal temperatures of around 20°C).
- ◆ Withstands neutral, vegetable and mineral greases and immersion in oil, aliphatic solvents and splashes of aromatic solvents.
- ◆ EPA Compliant as a finish.

TECHNICAL DATA

Volume solids 50 ± 2% mixed (ISO 3233).

Weight solids 69 ± 2% mixed.

Specific gravity 1.3 – 1.4 mixed, depending on colour.

Product code

Base	3 parts by volume	2933 series
Hardener	1 part by volume	4056 001
Composite		4802 series

Pot life 8 hours @23°C

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
50 µm	100 µm	10.0 m ² /l
150 µm	300 µm	3.4 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 75µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	3 h	2 h	50 mins
Hard dry	8 h	5 h	2 h
Overcoating	See Product Notes		
	7 d	7 d	3 d

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

Finish Gloss

Colours Full range of BS4800 and RAL shades available. BS381C and BS2660 shades available on request.

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APPLICATION DETAILS

Surface preparation

This product is an intermediate/finish coat which should be applied over appropriate Protega primers on steelwork, galvanising, etc. Please consult Protega Coatings for advice.

New Concrete

Remove laitance by vacuum blast cleaning, power grinding or acid etching. Vacuum blast cleaning is the preferred method and should produce a surface profile appropriate to the thickness of floor coating being applied.

Old Concrete

Clean as required with detergent washing, flame cleaning or appropriate method and prepare by vacuum blast cleaning, power grinding or acid etching. Vacuum blast cleaning is preferred. Clean out any holes and open cracks to minimum 5mm width. Remove all dust and loose material. If applying over existing coatings, consult Protega Coatings for advice.

Wood Floors

Punch all nail heads down below the surface. Sand the surface down to clean, smooth wood using an industrial vacuum sander, cutting-in at edges etc., with a hand sander. To give a smooth finish it is recommended to also lightly sand and vacuum between coats.

Steel Floors – consult Protega Coatings.

Surfaces should be clean, dry and free from all grease, oil and general contamination.

Application conditions

Only apply in conditions of good ventilation which must be maintained during drying. Concrete should be 4 weeks old, with a moisture content below 6%. During application and drying time of the coating, the temperature of the air, the surface being coated and the coating material must be over 10°C and preferably above 15°C, and the Relative Humidity of the air must be below 85%. The surface being coated must be 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. Ensure complete homogeneity before using.

Application

Method	Airless spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2500 – 3000 p.s.i.	No	Yes	Yes	Yes
Tip Size	15 – 21 thou				

Refer to Protega Epoxy Application & Curing Notes.

Brush/roller – a thickness of 50 microns dft average per coat will be achieved.

Avoid exceeding the maximum stated dry film thickness.

Thinner

1031 Thinner.

Cleaning of equipment

Remove remaining paint from equipment, flush thoroughly with 1031 Thinner until solvent appears uncontaminated.

Anti-slip floor finish

An anti-slip finish can be obtained by applying a full, unthinned coat of Temacoat GPL and broadcasting Protega Aggregate No.1 over the surface while wet, at a rate of 0.25 to 0.5 Kg/m². When coating is dry, sweep off excess loose aggregate and apply a further full coat of Temacoat GPL.

FLASH POINT

22 - 32°C

STORAGE

Store in dry, cool conditions and protect from frost.

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

Do not apply or cure below 7°C; application temperatures above 10°C recommended.

Product will chalk on prolonged exterior exposure, the degree to which is subject to atmospheric conditions.

Overcoating @23°C:

- with alkyd, chlorinated rubber or vinyl: overcoat within 16 – 24 hours.
- with itself: 4 hours minimum.
- with Temathane two pack polyurethane or Temaseal EA80 or EA90: 12hours minimum.