

TEMABOND WG500

(formerly Temabond STV(WG))

DESCRIPTION

A two component, high solids, epoxy intermediate/finish coat, available in a range of colours.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Approved to Highways Agency - Item 116, and Network Rail - Item 7.1.7. requirements.
- ◆ EPA compliant.
- ◆ Product will cure down to 2°C although cure time will be extended.
- ◆ Film build per coat of 125 microns (brush) and 200 microns (spray).
- ◆ Applied as a two coat system over Temabond ST200 or WG200 to provide 250 microns dry by brush.
- ◆ Indefinitely overcoatable with itself, Temabond ST200 or WG200.
- ◆ Can be used to upgrade an existing alkyd or chlorinated rubber system to an epoxy/polyurethane specification.
- ◆ For summer and winter use.
- ◆ Exceptionally high film build enables minimum number of coats.

TECHNICAL DATA

Volume solids 82 ± 2% mixed. (ISO 3233)

Weight solids 91 ± 2% mixed.

Specific gravity 1.46 – 1.50 (mixed) varies with colour.

Product code

Paint	1 part by volume	2931 series
Activator	1 part by volume	4056 043
Composite		4873 series

Pot life 3½ hours @ 23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
125 µm	152 µm	6.6 m ² /l
200 µm	244 µm	4.1 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 125 µm		+5°C	+10°C	+23°C	+35°C
Dust Free		9 h	6 h	3 h	1 h
Hard Dry		15 h	10 h	6 h	2 h
Overcoating	min	15 h*	10 h*	6 h*	2 h*
	max	*Indefinite if clean and sound			

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

Finish High sheen.

Colours Wide range of BS4800 and RAL shades.

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APPLICATION DETAILS

Surface preparation This is an intermediate/finish coat which should be applied over appropriate Protega primers, typically Temabond ST200 or WG200. Please consult Protega Coatings for advice.
Surfaces should be clean and dry and free from oil, grease, salts, dirt and general contamination.

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. Ensure complete homogeneity before using.

Application

Method	Airless Spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2000 – 3000 p.s.i.	No	No	Yes	Yes
Tip Size	19 – 27 thou				

Refer to Protega Epoxy Application/Curing notes.
Brush application will typically achieve up to 125 microns dry, airless spray application up to 200 microns dry.
Avoid exceeding the maximum stated dry film thickness.

Thinner 1031 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 950 Thinner until solvent appears uncontaminated.

FLASH POINT 32 - 55°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

***Overcoating:**
Indefinite means with itself or other Temabond products, when clean, sound and free from chalking.
When overcoating with Temathane PLV or PLS(HS) – allow 24 hours minimum at 23°C, when Temabond WG500 is applied at 125 microns dft.
When overcoating with conventional, chlorinated rubber or vinyl, ideally overcoat between 24 – 48 hours at 23°C, with a maximum of 7 days, or abrading will be required. When overcoating with conventional products, starting with Temalac AM-series MIO is recommended for good adhesion.
Allow longer drying and overcoating times at higher dft's and lower temperatures.

Product will chalk, the degree to which is subject to atmospheric conditions. For UV resistance, overcoat with Temathane PLV or PLS(HS).
For an anti-graffiti finish, overcoat with Temathane PLS(HS) followed by Temathane PDV.