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Page 1 of 2

ViterThane PLS Recoatable PU Finish – Semi-gloss

Product Description	**A two pack recoatable polyurethane semi-gloss finish** for use on protective systems for steelwork.
Features & Use	• An aliphatic polyurethane providing a tough and durable semi-gloss finish with excellent UV resistance • High build properties – up to 125 microns dft • Excellent chemical resistance and low temperature curing down to -5ºC • Excellent solvent and chemical resistance • Use as a site or shop applied finish • Easily cleaned surface
Approvals/ Certification	Approved to UK Network Rail Protective Treatment M24 (Item No.7.3.1) as the finish coat of a 3 coat system
Finish	Mid sheen
Volume Solids	58 ± 2% (may vary with colour)
VOC Content	399 ± 20 g/litre (varies with colour)

Film Thickness Range And Coverage

	Dry Film Thickness	Wet Film Thickness	Theoretical Coverage
Minimum	50 µm	86 µm	11.6 m^2/litre
Maximum	125 µm	216 µm	4.6 m^2/litre

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

Drying Times

Applied to **50 microns** DFT		**+10ºC**	**+23ºC**	**+35ºC**
Dust Free		2 hr	1 hr	45 min
Hard Dry		6 hr	3 hr	2 hr
Overcoating	Minimum	24 hr	12 hr	10 hr
	Maximum	Indefinite if clean and sound		

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

Colours	BS and RAL colours via our in-can tinting system
Mix Ratio/ Product Code	Base **2896** 9 parts by volume (or **2906 (L)** – see Product Notes) Hardener **4054 121** 1 part by volume
Pot Life	4 hours at 23ºC
SG	1.40-1.60 kg/lt mixed, varies with colour
Storage Conditions	Store in dry, cool conditions and protect from frost
Shelf Life	Minimum 12 months if stored as above in unopened containers
Flash Point	23-60ºC

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Surface Preparation	• This product is a finish coat and should be applied over an appropriate primer or intermediate coating • All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts or other contamination
Mixing	Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Agitate periodically during use to ensure product remains homogeneous.
Thinner	1737 Thinner **Equipment Cleaner** 1737 Thinner
Application Conditions	Only apply in conditions of good ventilation which must be maintained during drying and curing. 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 3ºC above the dew point. Only apply this product when the above conditions can be maintained throughout the critical application and drying/curing process. Paint temperature should ideally be at a minimum of 15ºC.
Application Methods	

Method	Airless Spray	Conventional Spray	Brush	Roller
	Yes	Yes	Yes	Yes

- Airless Spray: Output fluid pressure at tip 2200-2500 psi, Tip Size: 13-17 thou (0.33-0.43mm)
- For application by airless spray up to 5% 1737 Thinner may be added for application under cool conditions and to apply at lower dft's
- For conventional spray up to 10% 1737 Thinner will be necessary. Maximum dft by this method is 75 microns
- This product is suitable for application by brush or roller, but due to its fast drying properties intricate structures should be avoided

Product Notes	• **Drying/Overcoating times at +5ºC** (@ 50µm dft): Dust free – 3 hrs; Hard dry – 9 hrs; Min overcoating – 24hr • Overcoat with itself or ViterThane PLV only • For optimum opacity use a primer/undercoat of a suitable shade • High humidity and condensation will impair gloss if exposed during application and curing • Some shades (2906 line) may contain lead based colourants and these are labelled **(L)** • **Contains isocyanates** – refer to Safety Data Sheet
Health & Safety	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Spencer Coatings.

This information is given in good faith for the guidance of users but without warranty or liability. Any queries should be referred to our Technical Department. The above information, based on laboratory tests and practical experience has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes. This product is for professional use only.