

ViterThane PLS Finish – Semi-gloss

Product Description	A two pack recoatable polyurethane semi-gloss finish for use on protective systems for steelwork.				
Features & Use	<ul style="list-style-type: none"> • 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 -5°C • 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	+10°C	+23°C	+35°C	
	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 23°C				
SG	1.40-1.60 kg/lit 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	23-60°C				

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Surface Preparation	<ul style="list-style-type: none"> 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 3°C 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 15°C.														
Application Methods	<table border="1" data-bbox="451 875 1490 999"> <thead> <tr> <th data-bbox="451 875 692 943">Method</th> <th data-bbox="692 875 938 943">Airless Spray</th> <th data-bbox="938 875 1185 943">Conventional Spray</th> <th data-bbox="1185 875 1339 943">Brush</th> <th data-bbox="1339 875 1490 943">Roller</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 943 692 999"></td> <td data-bbox="692 943 938 999">Yes</td> <td data-bbox="938 943 1185 999">Yes</td> <td data-bbox="1185 943 1339 999">Yes</td> <td data-bbox="1339 943 1490 999">Yes</td> </tr> </tbody> </table> <ul style="list-style-type: none"> 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 					Method	Airless Spray	Conventional Spray	Brush	Roller		Yes	Yes	Yes	Yes
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	Yes	Yes	Yes	Yes											
Product Notes	<ul style="list-style-type: none"> Drying/Overcoating times at +5°C (@ 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 Axalta Coating Systems.														

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