

ViterThane PLV Recoatable PU Finish - Gloss

Product Description	A two pack recoatable polyurethane 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 gloss finish together with excellent gloss and colour retention• Excellent chemical resistance and low temperature curing down to -5°C• Withstands dry heat up to 150°C (discolouration may occur)• Use as a site or shop applied finish• Easily cleaned gloss 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	Gloss				
Volume Solids	53 ± 2% (may vary with colour)				
VOC Content	431 ± 20 g/litre (varies with colour)				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	30 µm	57 µm	17.7 m²/litre	
	Maximum	60 µm	113 µm	8.8 m²/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 40 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 and metallic colours via our in-can tinting system				
Mix Ratio/ Product Code	Base Hardener	2892 4054 120	5 parts by volume (or 2905 (L) – see Product Notes) 1 part by volume		
Pot Life	4 hours at 23°C				
SG	1.10-1.30 kg/ltr 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	Method	Airless Spray	Conventional Spray	Brush	Roller
		Yes	Yes	Yes	Yes
	<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) This product is suitable for application by brush or roller, but due to its fast drying properties intricate structures should be avoided The addition of 5-10% of 1737 Thinner is recommended for best results when spraying. Metallic shades should be applied without thinning 				
Product Notes	<ul style="list-style-type: none"> Drying/Overcoating times at +5°C (@ 40µm dft): Dust free – 3 hrs; Hard dry – 9 hrs; Min overcoating – 24hr 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 (2905 line) may contain lead based colourants and these are labelled (L) Contains isocyanates – refer to Safety Data Sheet Metallic shades should be applied to 50 microns maximum dry film thickness to achieve the best appearance and should be applied over a suitable undercoat. Viscosity and solids content are lower than for standard colours 				
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.				