

ViterShield GPL Epoxy Finish – Semi-gloss

Product Description	A two pack epoxy semi-gloss finish for use on steelwork, bund walls and floors.				
Features & Use	<ul style="list-style-type: none">• Use as a chemically resistant finish over suitable systems such as appropriate ViterShield epoxy primers• Suitable for urban, industrial and marine environments and is suitable for immersion• Suitable coat-on-coat for bund walls (subject to chemical resistance to the stored materials)• Withstands immersion in dilute solutions of non-oxidising acids, alkalis and salts, accidental splashes of oxidising acids and 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				
Approvals/ Certification	Please consult Spencer Coatings				
Finish	Semi-gloss				
Volume Solids	50 ± 2% depending on colour				
VOC Content	412 ± 20 g/litre (varies with colour)				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	50 µm	100 µm	10.0 m²/litre	
	Maximum	150 µm	300 µm	3.3 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 50 microns DFT		+10°C	+23°C	+35°C
	Dust Free		3 hr	2 hr	50 min
	Hard Dry		8 hr	5 hr	2 hr
	Overcoating	Minimum	12 hr	4 hr	3 hr
		Maximum	7 days	7 days	3 days
	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	2933	3 parts by volume		
	Hardener	4056 001	1 part by volume		
Pot Life	8 hours at 23°C				
SG	1.30-1.40 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 usually an intermediate/finish coat and should be applied over an appropriate primer or intermediate coating. It can be applied as a primer to bare concrete when thinned – please consult Spencer Coatings for advice for your particular application All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux 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	1031 Thinner Equipment Cleaner 1031 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 2500-3000 psi, Tip Size: 15-21 thou (0.38-0.53mm) Application by brush/roller will result in a dft of about 50 microns on vertical surfaces Refer to Spencer 'Epoxy Application and Curing Notes' 				
Product Notes	<ul style="list-style-type: none"> Do not apply or cure below 7°C; temperatures above 10°C are recommended and above 15°C is preferred This product is susceptible to 'blooming' (or 'white water staining') if the product is exposed to water, dampness and/or cold conditions during the critical application and drying/curing process. While such blooming does not detract from the performance of the coating, it may significantly affect the overall cosmetic appearance Like all epoxy coatings, this product will chalk on prolonged exterior exposure, the degree of which is subject to atmospheric conditions 				
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.				