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ViterShield GPL Epoxy – Semi-gloss

Product Description	**A two pack epoxy semi-gloss finish** for use on floors, steelwork and bund walls.
Features & Use	• Use as a floor coating, or 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 Axalta Coating Systems
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 m^2/litre
Maximum	150 µm	300 µm	3.3 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		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 Composite **4802**
Pot Life	8 hours at 23°C
SG	1.30-1.40 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	23-60°C

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Surface Preparation	• All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination • **Bare concrete:** Laitance should be removed by vacuum blast cleaning (recommended), power grinding or acid etching. If acid etching, more than one application may be required to produce a granular surface suitable for good adhesion. Vacuum blast cleaning should produce a surface profile appropriate to the thickness of the coating being applied • **Previously painted floors:** abrading (as well as thoroughly cleaning) the existing coating is always recommended to optimise adhesion. A test area is recommended to confirm that adequate adhesion can been achieved and that the previous coating is not attacked • **Wood Floors:** punch all nail heads down below the surface. Sand the surface down to clean, smooth wood using an industrial vacuum sander, cutting-in at edges with a hand sander. To give a smooth finish it is recommended to also lightly sand and vacuum between coats • **Steel Floors and steelwork:** consult Axalta Coating Systems for advice
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	• The concrete surface must be dry and at least 12 weeks old. The moisture content of the concrete should not exceed 6% when measured 25mm below the surface (with e.g. a Protimeter measuring in 25mm drilled holes filled with gel), or 14% when measured with a surface moisture gauge (such as a Protimeter WME (Wood Moisture Equivalent) gauge). • 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 substrate temperature should remain at least 3ºC above the dew point. Paint temperature should ideally be at a minimum of 15ºC.
Application Methods	<table><tr><th>Method</th><th>Airless Spray</th><th>Conventional Spray</th><th>Brush</th><th>Roller</th></tr><tr><td></td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr></table> • Airless Spray: Output fluid pressure at tip 2500-3000 psi, Tip Size: 15-21 thou (0.38-0.53mm) • For floor coating, this product is recommended for application by brush or roller • Refer to Axalta Coating Systems '**Epoxy Application and Curing Notes'**
Product Notes	• **Priming:** prime bare concrete areas by thinning the first coat of ViterShield GPL with 10-20% of 1031 Thinner to act as a sealer • **Anti-slip:** dependent on the degree of anti-slip required, aggregate can be broadcast onto the wet coating surface (of a full, unthinned coat) and allowed to dry. Surplus non-adhering particles should then be brushed off and further coats of ViterShield GPL applied to encapsulate the particles • Do not apply or cure below 7ºC; temperatures above 10ºC are recommended and above 15ºC 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 Axalta Coating Systems.