

ViterFloor 400 SF Floor Primer/Sealer

Product Description	A two pack epoxy, solvent free clear primer/sealer for concrete floors.			
Features & Use	- A clear primer/sealer for new and old concrete floors - Use as a primer/sealer under ViterFloor 300 and ViterShield GPL, and as a clear sealer for bare concrete floors to prevent dusting and dirt contamination - Resistant to water, oils, chemicals and weak solutions of non-oxidising acids, alkali and salt solutions. Resists temporary splashes of oxidising acids and bleaching chemicals - Can also be used as a ‘filled primer’ for holes and cracks in concrete floors			
Approvals/ Certification	Please consult Axalta Coating Systems			
Finish	Gloss			
Volume Solids	99 ± 1% (loss of trace volatiles may reduce figure)			
VOC Content	Does not contain VOC’s			
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage
	Typical	100 µm	100 µm	10.0 m²/litre
	Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated			
Drying Times at 23°C and 100 µm dft	Dust Dry	15 min		
	Light Traffic	48 hr		
	Full Cure	7 days		
	Recoating	see Product Notes		
	Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation			
Colours	Clear			
Mix Ratio/ Product Code	Base Hardener	2993 001 2993 101	3 parts by volume 1 part by volume	
Pot Life	60 minutes when poured on the floor; approx. 30 minutes in the container			
SG	1.18-1.22 kg/lit mixed			
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	Above 60°C			

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Surface Preparation	- All surfaces must be clean, dry, and free from grease, oil, laitance, dust and other contamination Bare concrete: remove dirt and contamination by detergent washing, flame cleaning or other appropriate means. 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 Patching: clean out holes and open cracks to a minimum 5mm width and remove dust and loose material. Prime bare concrete holes and cracks with ViterFloor 400. While the primer is still wet, fill holes and cracks with a patching material made by mixing ViterFloor 400 mixed resin with a quantity of clean, dry sand (of grain size 0.1 mm – 0.6 mm) in the ratio: 1 Part by Volume of mixed resin to 1-2 Parts by Volume of sand. This ratio is not critical and a more resin-rich mixture may be used for e.g. smaller cracks. If required, grind the patched areas level with the surrounding floor when cured				
Mixing	- Must be mixed thoroughly by using a mechanical mixer (with side scraper) before use. Add hardener in the correct proportions and mix thoroughly for a minimum of 2 minutes. Mix the material just before use, and consider the area to be coated and pot life of the material when deciding how many units are required Note: do not scrape or pour out remaining residues of mixed material from the bottom and sides of the container onto the floor, as this material may be incompletely mixed and cause 'soft spots' in the applied floor coating - It is recommended that all material is stored at a temperature of approximately 20°C for at least 24 hours prior to use, to aid mixing and application				
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 3°C above the dew point. Paint temperature should ideally be at a minimum of 15°C.				
Application Methods	Method	Airless Spray	Conventional Spray	Brush	Roller
		Yes	No	Yes	Yes
	- This product is recommended for roller application, using a felt or mohair roller, with brush being used to cut-in around edges or for small areas - Refer to Axalta Coating Systems 'Epoxy Application and Curing Notes'				
Product Notes	Priming: prime bare concrete areas with ViterFloor 400, thinned up to 30% if required with 1031 Thinner, depending on the porosity of the concrete floor. Pour mixture onto the floor and apply with a mohair roller. On very porous surfaces, where the sealer coat is completely absorbed, a second, thinned coat of ViterFloor 400 should be applied after 2 hours, using a wet-on-wet procedure, and using spiked shoes to walk over the wet coating. It is important that the porosity of the floor is completely sealed otherwise pinholes may result in a subsequently applied topcoat Overcoating: overcoating may be carried out between 8 and 24 hours at 23°C. After 24 hours, abrading will be necessary to provide a 'key' - Do not apply or cure below 5°C, temperatures above 10°C recommended				
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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