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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 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 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 **2993 001**	3 parts by volume
	Hardener **2993 101**	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/lt 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 20ºC 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 3ºC above the dew point. Paint temperature should ideally be at a minimum of 15ºC.

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 23ºC. After 24 hours, abrading will be necessary to provide a 'key'
- Do not apply or cure below 5ºC, temperatures above 10ºC 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.