

Strongcoat V Clear is a high build chemically resistant epoxy floor coating which provides the maximum protection in the minimum number of coats.

Strongcoat V Clear exhibits high levels of abrasion resistance and is used in conjunction with Virtus resin flooring to produce a continuous seamless finish onto vertical surfaces.



Strong



Hygienic



Easy to clean



FeRFA Classification

BS 8204 Type 3.

Colours*

Clear.

* Strongcoat is not 100% colour fast and may yellow over time. The rate of change will depend on UV light and heat levels and cannot be predicted. This will be more pronounced with lighter colours and blue shades and does not compromise the product's performance or chemical resistance characteristics.

Appearance

Gloss clear smooth finish.

Advantages

- ✓ Protects walls from oil and chemical spillages
- ✓ High build with excellent wear resistance
- ✓ Virtually solvent free
- ✓ Non-dusting
- ✓ Hygienic - will not support bacterial growth

Suitable Substrates

Strongcoat 'V' adheres well to concrete, render, brickwork, blockwork etc.

Uses

Strongcoat 'V' is used as a finish coat for Flowrend L.W. and as a permanent protection in areas requiring chemical resistance combined with abrasion resistance such as wash boxes, process tanks, silos etc.

Strongcoat 'V' is used as a protective coating against chemicals in effluent pits, collector vats, chemical spillage, bund walls, etc. It is particularly useful to provide protection over rough surfaces such as render, pre-cast concrete, breeze block etc., where its high build properties provide excellent cover

Pack Size

2.5 and 5 kg units.

Components

Two pack solvent free epoxy resins and inert fillers.

VIRTUS RESINS

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virtusresins
Epoxy resin suppliers

Thickness

Approximately 150-200 microns per coat.

Chemical Resistance

Surfaces coated with Strongcoat 'V' have good abrasion and impact resistance combined with excellent protection against attack from a wide range of chemicals.

Typical Properties, 7 days at 23 °C*

BS 8204-6	Type 3
Adhesion to concrete (BS EN 1504-2) (concrete failure)	>1.5 MPa

The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

Cure Schedule at 20 °C*

Working life of full packs*	30 - 45 minutes
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* Usable working life of material following mixing and immediate spreading as per the application instructions.

Touch dry	6 - 8 hours
Overcoat period	8 - 24 hours
Full chemical resistance	7 days

* These cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. If the over coating interval of 36 hours is extended, the first coat should be abraded to ensure inter-coat adhesion.

Pack Size

2.5 and 5 kg units

Coverage*

The coverage rate will vary depending on the texture and porosity of the substrate, film thickness and application technique. As a guide:

At 150µm - 5.5m²/kg (180g/m²)
At 200µm - 4.2m²/kg (240g/m²)

*Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Specification Detail

Two coats of Strongcoat 'V'. Providing a nominal total build of 350µm.

Application Conditions

5 - 30°C.

Surface Preparation

To be assured of maximum adhesion and properties from Virtus resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

Priming

Strongcoat 'V' does not normally require a primer. When treating extremely weak or porous concrete it is advisable to prime with Flowprime SF.

Mixing

Add full contents of hardener container to full contents of resin container and mix with a slow speed stirrer for at least 2 minutes.

Use a spatula to scrape the sides and bottom of the mixing vessel several times as unmixed material will result in uncured patches in the final finish.

Application

Apply by brush or medium pile simulated sheepskin roller working well into the surface taking care not to exceed the coverage rate.

Pot Life

30 - 45 minutes @ 20 °C.

Mixed material must be used immediately. When mixed, a chemical chain reaction takes place which creates heat and further reduces pot life. High ambient temperatures will reduce pot life.

Important: Both liquids are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together and until homogenous to ensure the product cures correctly and to the desired finish.

Maintenance

Surfaces treated with Strongcoat 'V' require the minimum maintenance such as wiping down and flushing with water to be maintained in original condition.

Health and Safety

Refer to product Safety Data Sheet before use.

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Technical Data

Shelf Life

12 months if stored in accordance with the above recommendations.

Technical Information

Compressive strength -40N/mm²
Flexural strength -28N/mm²
Lap shear bond strength -15N/mm²
Elastic modulus -3.9kN/mm²
Ease of decontamination to BS 4247 : part 1 test A "Good"

For further information on this or any other Virtus product, please contact our office.

Note: The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control. Properties listed are for guidance purposes only. We reserve the right to make any changes according to technological progress or further developments.

Availability

3 - 5 working days. **Country of Manufacture:** United Kingdom.

Disclaimer: FeRFa (The Resin Association) do not consider anhydrite, hemi-hydrate, and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.

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