

Flowprime OT is a two-component epoxy resin membrane that is tolerant of residual oil contamination in concrete floors. However, it is essential that all surface and gross contamination is removed by cleaning with an industrial detergent.



Roller-applied



Interior



Easy to apply



FeRFA Classification

N/A

Colours

Clear

Pack Size

5 and 10 kg units.

Components

Flowprime OT comprises of: one part Resin and one part Hardener. Both components are carefully pre-weighed and ready to mix.

Advantages

- ✓ Solvent free
- ✓ Low odour
- ✓ Excellent adhesion to damp concrete
- ✓ Low viscosity, easily applied

Uses

Flowprime OT is designed to improve the adhesion of coatings and screed systems to substrates that have previously been contaminated with oils, and have been thoroughly cleaned but may still retain some residual contamination.

Flowprime OT will not bond to grossly contaminated surfaces where sufficient cleaning and preparation has not been carried out.

Suitable Substrates

Concrete and polymer modified cementitious screeds.

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

VIRTUS RESINS

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virtusresins
Epoxy resin suppliers

Thickness

Approximately 200 microns from one coat.

Typical Properties, 28 days at 20 °C*

Adhesive strength to concrete (BS EN 13892-8:2002): > 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**	20 minutes
Over-coating time (minimum)	12 hours
Over-coating time (maximum)	36 hours

*The above cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. Higher temperatures will shorten working time and lower temperatures will extend cure times.

** Usable working life of material following mixing and immediate spreading as per the application instructions.

Pack Size

5 and 10 kg units

Coverage

4 m² / kg / coat depending on surface texture. Coverage will be reduced by rough, porous substrates.

Substrate Strength

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm²)

Surface Preparation

Concrete surfaces shall be mechanically prepared so that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Suitable mechanical treatment such as vacuum grit blasting or mechanical scabbling are recommended to ensure the removal of contaminants and to provide a mechanical 'key' for the Flowprime OT. A proprietary de-greaser should be applied to the contamination as per manufacturers instructions, thoroughly worked into the surface and allowed to sit for at least 20 minutes

Agitate with a scrubber and rinse thoroughly as per manufacturers instructions. Several cleaning cycles may be required. Finally, rinse the surface thoroughly with clean water to remove residues and allow to dry. Inspect the resultant surface and that no residual oil is rising from the screed. Surfaces must be free from liquid water and the atmosphere must be free from condensation. Refer to the Virtus Guide to Surface Preparation for further information.

Application Conditions

The ideal ambient and substrate temperature is 15 - 25 ° c. Localised heating or cooling equipment may be required outside of these parameters. Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >90% or if the temperature is, or is anticipated to be <5°C during the application or curing period. The substrate and uncured floor must be kept at least 3°C above the dew point for at least 48 hours after application.

Mixing

Flowprime OT is a two-component product. Fully drain the contents of the hardener component into the coloured resin component and mix thoroughly with a slow speed electric stirrer fitted with a spiral paddle, for a minimum of 3 minutes until homogeneous.

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.

Application

Apply by short or medium pile roller at a nominal rate of 0.25 kg/m². Make sure that the substrate is completely wetted out and work thoroughly into the surface using more mechanical agitation than would normally be used to apply a coating/primer. Additional coats or further toppings must be applied within 48 hours.

Health and Safety

Refer to product Safety Data Sheet before use.

Technical Advice

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

Availability

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

You Might Also Need:

- Resin Painting Kit
- Mixing Drill Attachment

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.

Technical Data

Virtus Resins, The Shippon, Pentre-Celyn, Ruthin LL15 2SP, England			
CE		13	DOP RV0015
EN 13813 SR-B2,0 Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire	NPD	Impact resistance	NPD
Release of corrosive substances	SR	Sound insulation	NPD
Water permeability	NPD	Sound absorption	NPD
Wear resistance	NPD	Thermal resistance	NPD
Bond strength	B2,0	Chemical resistance	NPD

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