

Flowgrout SF is a specially designed thixotropic seal coat and grout for highly filled epoxy resin screed systems.

It is used to grout the upper surface of these systems to provide a non-porous surface layer which can be finished with an appropriate wearing coat.



Strong



Trowel-applied

Appearance

Semi-gloss/silk coloured finish.

Colours

Flowgrout SF is available in a range of standard colours.

Note: Flowgrout SF is not 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.

Pack Size

3 kg & 6 kg units..

Components

Each unit comprises of: one part Resin (Base) and one part Hardener.
Both components are pre-weighed and ready to mix.

Uses

It is used to grout the upper surface of these systems to provide a non-porous surface layer which can be finished with an appropriate wearing coat.

VIRTUS RESINS

The Shippon, Faenol
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Epoxy resin suppliers

Thickness

Typically 200 - 300 µm. Most of the grout is forced into the pores of the underlying screed leaving very little on the surface.

Pack Size

3 kg & 6 kg units.

Coverage

Approximately 250g/m² (1st coat) 150g/m² (2nd coat)

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

Cure Schedule at 20 °C

Working life of full packs* 25 minutes

Finished floor**

Overcoat Time 12 hours

Light Pedestrian Traffic 24 hours

Heavy Duty Traffic 48 hours

Full Chemical Resistance 7 days

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

**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.

Application Conditions

Ideal ambient and substrate temperature range is 15 - 25 °C. Localised heating (electric powered warm air blower) or cooling equipment may be required outside this range to achieve ideal temperature conditions. The substrate and uncured floor must be kept at least 3 °C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming to at least 48 hours after application.

Surface Preparation

Inadequate preparation will lead to loss of adhesion and failure. Substrates should be clean, dry, sound and free of surface laitance. See the Virtus Guide to Surface Preparation for further information.

Mixing & Application

Prior to mixing, the temperature of the three components must be between 15 and 25 °C. Pre-mix the coloured resin component before use. Add the hardener component to the coloured resin component and mix using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous. Care should be taken to ensure that any material adhering to the sides and bottom of the mixing vessel is thoroughly mixed in.

Apply Flowgrout SF using a dense polypropylene squeegee to force the seal into the surface and to grout any open areas. Scrape off any excess to leave the surface with a thin, even film. Finish by back rolling with a semi-dry roller. If, when cured, there are un-filled patches, conduct a further application.

Flowgrout SF should be applied to the cured resin screed within 24 hours of application. Failure to do so may result in de-bonding. Flowgrout SF should be over-coated with the chosen finish coat within 24 hours for the same reasons.

EU Directive 2004/42/EC

Complies with category j type SB (< 500 g/l VOC content).

Health and Safety

Refer to product Safety Data Sheet before use.

Storage

Materials should be kept dry and stored in a weatherproof building maintained at 15 °C to 20 °C on pallets and away from walls. Consignments should be used in order of batch number. Protect from frost.

Shelf Life*

Resin and hardener components -12 months

*If stored in accordance with the above recommendations.

Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >90% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <5 °C during the application or within the curing period.

The design strength of concrete surfaces must be a minimum of 25 MPa compressive strength at 28 days.

The manufacture of Flowgrout SF is a batch process and despite close manufacturing tolerances, colour variation may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared. Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.

Technical Advice

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.

Virtus Resins, The Shippon, Pentre-Celyn, Ruthin LL15 2SP, England			
CE		13	DOP RV0030
EN 13813 SR-B1,5 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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White	Mid Grey	Light Blue	Buff	Light Green
				
Platinum	Dark Grey	Mid Blue	Safety Yellow	Green
				
Steel	Charcoal	Chelsea Blue	Yellow	Safety Red
				
Light Grey	Black	Midnight Blue	Sahara	Tile Red

Most products are available in a range of standard colours with some non-standard or custom RAL colours available upon request (subject to surcharge and production availability). Unit prices quoted are as per the standard colour ranges in current colour charts and product data with the exception of Safety Red, Safety Yellow and Midnight Blue whereupon a **10% surcharge** will apply. The colours shown may differ from the original product due to reprographics and technological media variations. The same colour in different products may also vary due to the composition and texture of the final finish. **Samples:** If colour and final aesthetics are of concern, please contact us to request an actual hard sample of the colour and system required.

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