

Flowbulk is based upon solvent free Polyurethane resin technology and is additionally reinforced with conventional graded silica sands. It is intended as an underlayment or infill for floor surfaces which require levelling prior to the application of a specified flooring system.



Strong



Trowel-applied

Appearance

A trowel applied, smooth grey pigmented render finish with a fully sealed impervious surface.

Advantages

- ✓ Solvent-free
- ✓ Hard wearing / durable silica reinforced finish
- ✓ For indoor or outdoor use

Pack Size

28.20 kg unit.

Components

Flowbulk is a 3 - pack product comprising of: resin, hardener and filler components. All components are carefully pre-weighed and ready to mix.

Suitable Substrates

Concrete, grano, asphalt etc.

Uses

As a repair compound prior to application of specified floor finish. Not designed as a floor finish in its own right. Flowbulk is designed to provide a high order physical strength while maintaining compatibility with the full range of Virtus Resins flooring systems. Despite being designed as an underlayment, Flowbulk provides physical strengths well in excess of conventional standard concrete.

VIRTUS RESINS

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Technical Data

Thickness

Between 10-60 mm but depends upon nature of application or repair.

Cure Schedule at 20 °C

Usable life at 20°C	15 minutes
Cure to light traffic	10 mm at 20°C - 6-8 hours
Full cure	19 mm at 20°C - 3-5 days
Over-coating window time	16-72 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.

Chemical Resistance

Flowbulk is not designed or recommended for use as a chemical resistant finish. Ultimate chemical resistance will depend upon the overlying specified flooring system.

Pack Size

28.20 kg pack.

Coverage*

Typically 2 kg / m² per 1 mm thickness required.

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

Surface Preparation

To be assured of maximum adhesion and properties from Virtus resin products the correct surface preparation is essential. Please refer to Technical Department.

Priming

Surfaces to be treated with Flowbulk should be primed previously with **Flowprime TC**. Flowbulk should be applied into the Flowprime TC whilst still tacky to ensure maximum adhesion is obtained.

Application Conditions

Ideal ambient and substrate temperature range is 15 - 25 °C. 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

Mixing & Application

Flowbulk is a three pack product. Pour and fully and drain the hardener component into the resin component and mix thoroughly until a homogeneous liquid is achieved. Transfer the mixed resins into a rotary drum mixer and add the aggregate slowly in stages until evenly wetted.

Apply by plasterer's float directly into tacky Flowprime TC and apply even pressure in order to effect a smooth impervious sealed surface. Depending upon the nature of the surface being treated, the use of laths and/or screeding bars may be necessary to ensure a level surface is maintained.

Health and Safety

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.

Storage

Store off the ground in un-opened packs in a dry store, under cover between 10°C and 30°C out of direct sunlight. Protect from frost.

Shelf Life

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

Availability

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

Technical Advice

For further information please contact our office.

You Might Also Need:

- Flowprime TC
- 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

Virtus Resins, The Shippon, Pentre-Celyn, Ruthin LL15 2SP, England			
CE	13	DOP RV0020	
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	B1,5	Chemical resistance	NPD