

## Flortex® Freeflow

### Product Description

### Typical Uses

Self-smoothing high build epoxy floor screed

Flortex® Freeflow is a three part 100% solids solvent-free epoxy including quality high build fillers. An extremely hard wearing 2-3mm self smoothing epoxy screed incorporating Polycote's unique FreeFlow Resin Technology, Flortex® Freeflow is a highly advanced floor levelling system, achieving a seamless, smooth and totally impervious gloss finish with outstanding chemical resistance.

Typical applications include warehouses, factories, showrooms, workshops, aircraft hangars and pharmaceutical production. Being solvent-free, Flortex® Freeflow is ideal for use in medical, animal and food environments, and withstands oil/chemical spills, jet washing and forklift traffic. Please note that this product should not be cleaned by steam-cleaner or with water above 60°C.

**Suitable substrates:** Following application of *EP Primer*, Flortex® Freeflow may be applied to old & new concrete and polymer modified cementitious screeds.

**Colour:** Flortex® Freeflow is available in a selection of 13 stock colours, or in a large range of BS4800 and RAL specifications (subject to minimum quantity).

**Packaging:** Flortex® Freeflow is supplied in pre-measured quantities as a three part 25.6kg unit, comprising a coloured epoxy resin blend Part 'A' and hardener Part 'B', and fillers Part 'C'.

### Direction For Use

#### Surface Preparation

Recommended methods are:

**Powerfloated, loose or friable concrete** - use a Vacuum Assisted Shotblaster to remove weak laitance and provide a surface key for the coating. If this is not possible, chemically etch with Polycote *Etch IT* then rinse thoroughly and allow to dry.

**Loose paint or rust** - remove, using a Vacuum Assisted Shotblaster, Floor Grinder or equivalent method.

**Loose or friable concrete** - use a Vacuum Assisted Shotblaster. If this is not possible, chemically clean with Polycote *Etch IT* then rinse thoroughly and allow to dry.

**Oil or grease** - use Hot Compressed Air for large areas of contamination. Smaller, isolated deposits may be chemically cleaned with Polycote *Degrease IT*, then rinsed thoroughly and allowed to dry.

#### Priming

Use of the correct epoxy primer is vital to success. Contact the Polycote technical help line for advice and follow all preparation and application guidelines on the relevant primer data sheet.

**Clean, sound, dry concrete** - prime with *EP Primer*.

**Oil-impregnated or damp concrete** - use *OT Primer*.

In any case, Flortex® Freeflow should be applied within 36 hours of priming to ensure a good intercoat chemical bond. If the interval is exceeded, abrade the primer coat to provide a mechanical key.

#### Mixing

All three components must be kept between 15°C and 25°C before mixing.

Having fully prepared and primed the substrate, stir parts 'A' and 'B' individually, then add Part 'B' to Part 'A' and thoroughly mix for at least one minute. For best results use a heavy duty slow speed drill with a mixing paddle. The mixed material should then be loaded into a rotary drum mixer or similar and the filler Part 'C' be added gradually. Continue mixing until an even consistency is obtained.

Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.

### Application

The mixed material should be applied immediately to the desired thickness using a serrated trowel or squeegee. DO NOT scrape the contents from the sides of the container as this will invariably include unmixed resin. The WET coating should be allowed to settle for 10-20 minutes, and should then be rolled using a spiked roller to eliminate air bubbles trapped within the coating. Spiked shoes should be worn to avoid disturbing the wet surface. DO NOT attempt to re-roll later.

**Application<sup>(cont)</sup>****Slip Resistant Applications**

A slip resistant finish may be created by applying a roller coat of *Flortex® EP* or *Flortex® Professional* onto the cured *Flortex® Freeflow* then backrolling Calcined Bauxite non-slip aggregate into the wet coating.

**Application Temperature**

Normal application temperature is between 15°C and 25°C. Surface temperature must be above 5°C.

**Pot Life & Curing Time**

The pot life, once mixed, is approximately 25 minutes at +20°C.

Recoat time for non-slip seal coat (if required) is 16-20 hours (at 20°C).

*Flortex® Freeflow* will withstand light foot traffic after 24 hours and full traffic after 48 hours. Maximum strength and chemical resistance is reached after 7 days.

**Coverage**

*Flortex Freeflow* covers approximately:-

4.2sqm at 3mm.

6.3sqm at 2mm

Coverage is dependent on surface profile, texture, porosity and the substrate temperature.

**Cleaning**

Tools and equipment should be cleaned whilst resin is still wet using solvent cleaner. Hands and skin should be cleaned immediately with organic hand cleaner.

**Shelf Life & Storage**

Shelf life in unopened containers is approximately 12 months subject to conditions of storage. Store in a cool, dry, frost-free environment away from sources of ignition, out of direct sunlight, not below 15°C.

**Health & Safety**

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

**Any Questions**

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.

	
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EN 13813 SR-B2,0-AR1,0-IR14	
Resin coating/screed material for use internally	
Wear resistance: Bond strength: Impact resistance:	AR 1.0 B 2.0 IR14