

Flortex® Freeflow

Self-smoothing high build epoxy floor screed



“maintenance made easy”



PRODUCT DESCRIPTION

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 USES

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 30kg unit, comprising a coloured epoxy resin blend Part 'A' and hardener Part 'B', and fillers Part 'C'.

DIRECTIONS FOR USE

SURFACE PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

Recommended methods are:

Powerfloated 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.

DIRECTIONS FOR USE – Cont.**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.

NON-SLIP APPLICATIONS

An anti-slip 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.

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.

APPLICATION TEMPERATURE

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

COVERAGE

A 30kg unit will cover approximately 7.5m² at 2mm thickness or 5m² at 3mm thickness.

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.

CE	
Polycote UK, Centre Point, Wolseley Road, Woburn Road Industrial Estate, Kempston, Beds MK42 7EF	
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EN 13813 SR-B2,0-AR1,0-IR14	
Resin coating/screed material for use internally	
Wear resistance:	AR 1.0
Bond strength:	B 2.0
Impact resistance:	IR14

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.

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 for himself that 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.

REV: 12/17

