Technical Data Sheet

Flortex® PU Screed

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Extremely durable polyurethane floor screed system at 6-9mm thickness

Product Description

Flortex® PU Screed is a water-based resin-rich polyurethane floor screed which is trowel applied for use on concrete and polymer modified cementitious screeds. It provides good anti-slip properties and a seamless, textured, matt finish and is non-tainting.

Flortex® PU Screed has been designed for use in areas where there is extremely heavy traffic, extreme temperatures (steam cleaning, boiling water, liquids up to 120°C at 9mm), and has excellent chemical resistance, such as concentrated citric acid, spirit vinegar, lactic food and common alcohols found in the food, dairy and pharmaceutical industries.

As from 24th August 2023, adequate training is required before industrial or professional use of this product.

Typical Uses

Areas of heavy usage and high chemical resistance, where a seamless and easily maintained surface is required. Useage areas include: chemical plant processing, food manufacture and processing, medical and veterinary practice, dairies and animal husbandry, breweries, heavy duty plant and traffic areas, engineering, etc.

Suitable substrates:	*Flortex® PU Screed* may be applied to concrete, grano concrete and polymer reinforced screeds.
Colour	*Flortex® PU Screed* is available in 6 standard Polycote colours. The final finish is mottled due to the presence of aggregate at the surface. We can make it to your specification on any order over 30 units.
Packaging:	*Flortex® PU Screed* is supplied in pre-measured quantities as a three part 30.3kg unit, comprising a coloured resin blend Part 'A', hardener Part 'B' and *aggregate Part 'C'.*

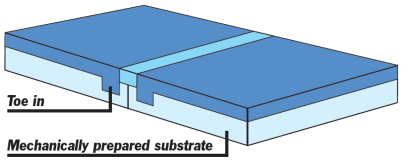
Direction For Use

Surface Preparation

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

All substrates must be clean, sound, dry and free of surface laitance. 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.
- ***Metal*** - use a shot-blaster to prepare the surface to SA2.5 (bright steel) and primed with *ZP Primer*. Deckplates of 4mm or less do not provide a sufficient substrate for *Flortex PU Screed*, please contact Polycote Technical Helpline for further information.



To give a professional finish, we advise that grooves are cut into the floor around the perimeter of the substrate, to give the screed an anchorage. The groove should be about 20mm wide and 8mm deep and about 150mm from the edge.

Mixing

Once the surface has been thoroughly prepared, a suitable primer has been applied, and the surface is tack free, apply *Flortex PU Screed*.

Prior to mixing, the temperature of the three components must be between 15°C and 25°C. Stir the individual components before mixing together.

Add Part 'B' to Part 'A' and thoroughly mix for at least 1 minute. Steadily add the aggregate whilst continuing to mix. Mix thoroughly for 3 minutes once all the aggregate has been added For best results use a heavy duty slow speed drill (300 - 400 rpm) with a mixing paddle.

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

Application

Once fully mixed, apply the product between the battens (if necessary) and level with a steel float. If a smooth finish is required (to assist cleaning), back-roll with a short pile roller.

Application Conditions

Normal application temperature is between +15°C and +25°C. Air humidity must not exceed 90%. *Flortex PU Screed* should be room temperature when applied, if the product is warmer than usual, pot life and curing times will be greatly reduced. Similarly, times will be greatly extended in colder applications.

Pot Life & Curing Time

Flortex® PU Screed has a pot life of approximately 15 minutes at 20°C, however this can be reduced to as much as 8 minutes at +25°C. The product will accept light pedestrian traffic in 12 hours, light wheeled traffic in 24 hours, heavy duty traffic in 48 hours and fully cured in 7 days.

Coverage

The coverage of a 30.3kg unit of *Flortex PU Screed* is approximately 2sqm at 6mm nominal thickness, or 1.4sqm² at 9mm nominal thickness.

The above coverages slightly over allows the amount of materiel needed. If the substrate is very rough the coverage may reduce slightly.

2.3kgm² per mm

Cleaning

Tools and equipment should be cleaned whilst resin is still wet with 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 from sources of ignition.

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-AR0, 5-IR20
Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations

Reaction to fire	E_{fl}
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	AR0,5
Bond strength	B2,0
Impact resistance	IR20