

Flortex® Flexiset

A solvent free twin pack flexible coating for asphalt or flexible flooring substrates



“maintenance made easy”



PHYSICAL PROPERTIES

Compressive Strength	68N/mm ²
Flexural Strength	80N/mm ²
Tensile Strength	77N/mm ²
Elastic Modulus	3.7KN/mm ²

COLOUR GUIDE

Other colours are available – subject to minimum quantities.

6 Standard colours		
02	05	09
45	77	62

The colours indicated here are approximate and should not be taken as the exact shade.

PRODUCT DESCRIPTION

Flortex Flexiset is a non-toxic two part 100% solids solvent-free epoxy floor coating incorporating quality high build fillers, providing a totally impervious coloured gloss finish.

Its pure epoxy flexible formulation makes Flortex Flexiset one of the most flexible coatings available, with very high resistance to heavy fork lift traffic.

TYPICAL USES

Being solvent-free, taint-free, odourless and non-toxic, *Flortex Flexiset* is ideal for use in medical, animal or food environments, and offers good chemical resistance. Typical uses include warehouses, factories, showrooms, workshops, aircraft hangers and railway depots.

SUITABLE SUBSTRATES

Following application of the appropriate primer, *Flortex Flexiset* may be applied to old and new concrete, quarry and ceramic tiles, terrazzo, timber, steel and asphalt.

COLOUR

Flortex Flexiset is available in a selection of stock colours, or in a large range of BS4800 and RAL specifications.

PACKAGING

Flortex Flexiset is supplied in pre-measured quantities as a two part 15kg unit, comprising a coloured epoxy resin blend Part 'A' and a hardener Part 'B'.

DIRECTIONS FOR USE

SURFACE PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

Prior to application of *Flortex Flexiset* a suitable primer should be applied.

These include Polycote *EP Primer*, *WD Primer* or *OT Primer*, depending on the type and the condition of the surface.

Please contact Polycote Technical Help line, and prepare the surface in accordance with the appropriate primer data sheet.

MIXING:

Having fully prepared the substrate, stir the individual components before mixing together. As pigment may 'sink', ensure that the mixing is very thorough and from the bottom of the container.

Add Part 'B' to Part 'A' and thoroughly mix for at least 3 minutes. For best results use a heavy duty slow speed drill with a mixing paddle. **Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.**

DIRECTIONS FOR USE Cont.**APPLICATION:**

Flortex Flexiset may be applied by brush, roller or squeegee, depending on the film thickness required.

To achieve a smooth high build finish – apply Flortex Flexiset at a rate of 0.3kg to 1kg per 1m² using a roller or squeegee.

When the quantity of resin used exceeds 0.5kg/m², air bubbles may become trapped in the coating. These are removed by using a Polycote Spiked Roller and must be carried out immediately after application of the resin **BEFORE CURING TAKES PLACE**. Spiked shoes should also be worn to avoid disturbing the wet coating.

To achieve a high build or textured finish – having applied the resin at a rate of 0.5kg to 1.0kg/m², then gradually sprinkle 0.3-0.6mm Kiln Dried Aggregate onto the WET resin at a rate of 2-4kg/m².

The quantity of the aggregate required will depend on the thickness of the initial coating. If a textured surface is required, all 'wet spots' must be re-covered with aggregate.

Please note: spiked rolling is unnecessary for the first coat when using aggregate.

Allow first coat to fully cure (preferably 24 hours) before removing all excess aggregate.

A final coat of Flortex Flexiset should then be applied using a roller or squeegee. The thickness of this coat may be varied depending on the finish required.

NON-SLIP APPLICATIONS

For slip resistance, sprinkle Polycote Calcined Bauxite aggregate onto the WET Top coat. The normal sprinkling rate is 4-8m² per 1kg aggregate, but this rate may be varied between 0.5m² – 10m² per 1kg, depending on slip resistance required.

This method allows selective areas of non-slip treatment to be applied as required.

Spiked shoes should be worn to avoid disturbing the wet coating. Re-roll coating to encapsulate the aggregate.

For alternative methods of applying non-slip aggregate, please contact Polycote Technical Help line.

POT LIFE AND CURING TIMES:

The pot life once mixed is 40 minutes maximum at 20°C.

Initial curing takes place within 8-10 hours depending on temperature.

To ensure a good intercoat chemical bond, Flortex Flexiset should be applied within 36 hours of priming and/or initial coating. If this interval is exceeded, abrade the first coat to ensure intercoat adhesion.

Full cure strength is reached after 7 days.

APPLICATION TEMPERATURE:

Normal application temperature range is between 10°C and 25°C.

COVERAGE:

The coverage rate will vary depending on the texture and porosity of the substrate, and the film thickness and method of application used.

For coverage rate guidelines see 'Application' section above.

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 AND 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.

HEALTH AND 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 Help line
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.

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