Flortex® Professional

Heavy duty high build epoxy floor coating

POLYCOTE®

"maintenance made easy"

PRODUCT DESCRIPTION

Flortex® Professional 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 high build formulation makes Flortex Professional one of the most durable coatings available, with very high resistance to heavy forklift traffic.

Special Formulations available include Extra Fast Hardeners (XFH), extra chemical resistance, low temperature formulations. Please contact Polycote technical helpline.

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

SUITABLE SUBSTRATES Following application of the appropriate primer, Flortex® Professional may be applied to old and new concrete, quarry and ceramic tiles, terazzo, timber and steel.

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

PACKAGING Flortex® Professional is supplied in pre-measured quantities as a two part 18kg unit, comprising a coloured epoxy resin blend Part 'A' and hardener Part 'B'.

PHYSICAL PROPERTIES

Compressive Strength	68N/mm²
Flexural Strength	80N/mm²
Tensile Strength	51N/mm²
Elastic Modulus	2.4KN/mm²

COLOUR GUIDE

Available in 10 standard colours or we can make it to your specification on any order over 10 units

White 02	Light Grey 01	Mild Grey 05	Buff 22
Dark Grey 09	Black 13	Yellow 29	Tile Red 44
Deep Red 45	Safety Red 46	Moss Green 66	Dark Green 63
Light Blue 76	Mid Blue 77	Dark Blue 78	

DIRECTIONS FOR USE

SURFACE PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

Recommended methods are:

Powerfloated concrete - use a Vacuum Assisted Shotblaster to remove weak laitence and provide a surface key for the coating. If this is not possible, chemically etch with Polycote Etch IT hen rense 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 Polycoate 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.

Prior to application of Flortex® Professional a suitable primer should be applied. These include Polycote EP Primer, WD Primer or OT Primer, depending on the type and condition of the surface.

Please contact Polycote technical helpline, 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. Add Part 'B' to Part 'A' and thoroughly mix for at least 3minutes. 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.***

APPLICATION

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

To achieve a SMOOTH high build finish - apply Flortex® Professional at a rate of 0.3kg to 1.0kg per $1m^2$ using a roller or squeegee. When the quantity of resin used exceeds $0.5kg/m^2$, air bubbles may become trapped within the coating. These are removed using a Polycote Spiked Roller. This must be carried out immediately after application of the resin ***BEFORE CURING TAKES PLACE.*** Spiked shoes should 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 $1.0kg/m^2$, then gradually sprinkle 0.3-0.6mm Kiln Dried Aggregate onto the ***WET*** resin at a rate of $2\text{-}4kg/m^2$. The quantity of 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® Professional 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 primer coat. The normal sprinkling rate is $4\text{-}8m^2$ per 1kg aggregate, but this rate may be varied between $0.5m^2$ – $10m^2$ 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. Allow to cure before overcoating to encapsulate the aggregate.

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

POT LIFE & CURING TIME

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 Professional 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 & +25˚C.

Lower temperature formulations are available on request.

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 the 'Application' section in this leaflet.

CLEANING

Tools and equipment should be cleaned whilst resin is still wet with solvent 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.

HEALTH & SAFETY

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

REV: 02/09

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