

Flortex® SG

Product Description

Industrial water-dispersed epoxy floor coating

Flortex SG is a two part water-dispersed epoxy floor coating with 60% solids content. Providing a hardwearing, easy clean surface with a coloured semi-gloss/silk finish for medium duty traffic. Aggregate may be added during application to create a non-slip surface. Two coats are required. It is easy to apply without the need for solvents or thinners and will protect concrete from oil and chemical spillages.

Typical Uses

Flortex SG is ideal for use in warehouses, factories, processing plants, showrooms, hospitals and schools.

Suitable substrates: *Flortex SG* may be applied direct to most substrates, including old and new concrete and polymer modified cementitious screeds.

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

Packaging: *Flortex SG* is supplied in pre-measured quantities as a two part 5.0kg unit, comprising a coloured epoxy blend Part 'A' and hardener Part 'B'.

Direction 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* then rinse thoroughly and allow to dry.

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

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.

Once prepared, the area must be kept clean and free of traffic.

Mixing

Materials should be stored at 15°C to 25°C for a minimum of 8 hours before use.

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.

Application

Apply by brush or roller, making sure that the surface is completely covered. Particular attention should be given to doorways and other areas of high traffic. When finished, do NOT scrape the remaining contents from the container as this will invariably include unmixed raw resin.

A second coat of *Flortex SG* should be applied after initial curing has taken place – see 'Pot Life & Curing Times', and should be applied at right angles to the first coat.

Non-Slip Applications

For slip resistance, sprinkle Calcined Bauxite aggregate onto the WET first coat. The normal sprinkling rate is 0.5kg to 2kg aggregate per 30 sqm, 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 the first coat to fully cure then remove any excess aggregate before re-coating using a squeegee followed by back-rolling with a short pile roller.

Application Temperature

Normal application temperature range is between +10°C and +25°C. Best results are obtained in warm conditions (minimum 15°C).

Pot Life & Curing Time

The pot life once mixed is approximately 60 minutes at +20°C. Initial curing takes place within 24 hours depending on temperature and humidity.

To ensure a good intercoat chemical bond, the top coat should be applied between 8 and 24 hours later. If this interval is exceeded, abrade the first coat to ensure intercoat adhesion.

Will accept pedestrian traffic after 24 hours, light wheeled traffic after 4 days and full cure strength is reached at 7 days.

Coverage

The coverage of a 5kg unit of *Flortex SG* is approximately 30m², depending on the texture and porosity of the surface. Two coats are normally sufficient.

Cleaning

Tools and equipment should be cleaned with warm soapy water.
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, between 15°C and 20°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 -AR0,5 -IR5 Synthetic resin screed material for use internally in buildings as per Polycote data sheet	
Wear resistance	AR0 0.5
Bond strength	B 2.0
Impact resistance	IR 5