

# Flortex<sup>®</sup> Steam Seal

**An extremely hard-wearing, steam cleanable floor coating**



**“maintenance made easy”**



## PRODUCT DESCRIPTION

**Flortex<sup>™</sup> Steam Seal answers an age old problem where standard coatings blister from the substrate due to the necessities of cleanliness requiring the use of a steam cleaner or hot pressure washer. Steam Seal is an extremely hard wearing 100% solids epoxy which has been professionally formulated to have superb adhesion, together with high elasticity to cope with the thermal shock from high temperature cleaning.**

## TYPICAL USES

Being solvent-free, taint-free, odourless and non-toxic, Flortex<sup>®</sup> Steam Seal 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<sup>®</sup> Steam Seal may be applied to old and new concrete, quarry and ceramic tiles, terrazzo, timber, steel and asphalt.

## COLOUR

Flortex<sup>®</sup> Steam Seal is available in a selection of stock colours, or in a large range of BS4800 and RAL specifications, subject to minimum quantities.

## PACKAGING

Flortex<sup>®</sup> Steam Seal 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'.

## PHYSICAL PROPERTIES

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

## COLOUR GUIDE

Available in 10 standard colours – other colours available – subject to minimum quantity.

10 Standard colours				
02	01	05	09	13
22	45	46	77	62

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

## DIRECTIONS FOR USE

### SURFACE PREPERATION

#### **THOROUGH THSUBSTRATE PREPARATION IS ESSENTIAL.**

Prior to application of *Flortex® Steam Seal* 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 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. 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

*Flortex® Steam Seal* may be applied by brush, roller or squeegee, depending on the film thickness required.

**To achieve a SMOOTH high build finish** – apply *Flortex® Steam Seal* at a rate of 0.3kg to 1.0kg per 1m<sup>2</sup> using a roller or squeegee.

When the quantity of resin used exceeds 0.5kgm<sup>2</sup>, air bubbles may become trapped in the coating. These are removed by 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.

### NON-SLIP APPLICATIONS

For slip resistance, sprinkle Polycote Calcined Bauxite aggregate onto the **WET** Top coat. The normal sprinkling rate is 4-8m<sup>2</sup> per 1kg aggregate, but this rate may be varied between 0.5m<sup>2</sup> –10m<sup>2</sup> 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 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® Steam Seal* should be applied within 24 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 & 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 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 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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