

# STRONGCOAT TOPPING

## Trowelled epoxy floor screed



TECHNICAL DATA SHEET PUBLISHED JUNE 2014

### PRODUCT FEATURES

**Strongcoat Topping** is a three-pack solvent free, epoxy-based topping that provides floor surfaces with a seamless, hygienic and cosmetically attractive finish.

Strongcoat Topping is applied by trowel and can be laid to falls. It has a very good durability towards pedestrian and vehicular traffic and a very good resistance towards many of the chemicals commonly found in an industrial environment (consult Technical for further details).

Strongcoat Topping can be supplied in a variety of colours (consult our Sales Department for details).

### KIT FORM

30kg

### SPECIFIED TOPPING THICKNESS RANGE

5mm and above.

### COVERAGE

Approximately 2.95m<sup>2</sup> per kit at 5mm thick.

### STORAGE

Store at temperatures between 5°C and 30°C.

### SHELF LIFE

Approximately 24 months if stored in unopened containers and under good conditions.

### SURFACE PREPARATION

The surface must be clean, dry (less than 75% RH measured by hygrometer) and free from dust, laitance, oils, paints or other forms of contamination. Grit blasting can be used to remove laitance and surface contamination (see the DCP Guide to Surface Preparation for further details). For treatment of surfaces containing expansion joints consult our Technical Department.

### TECHNICAL INFORMATION

EN 13813 Designation	SR-ARO,5-B2,0-IR10
Wear Resistance (EN 13892-4)	≤ 50 µm
Bond Strength (EN 13892-8)	≥ 2.0 N/mm <sup>2</sup>
Impact Resistance (EN ISO 6272-1)	≥ 10 Nm

### PRIMING

Surfaces must be primed with **Strongcoat Primer** and blinded with **Coarse Aggregate** to provide a mechanical key and allowed to dry before application of Strongcoat Topping (see the Strongcoat Primer Data Sheet for further details).

- **More than one coat of Strongcoat Primer may be required for highly porous or textured surfaces.**

### MIXING

Transfer the entire contents of the Strongcoat Topping Hardener into the Resin container ensuring that the bottom and sides are thoroughly scraped and using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately two minutes. Once the Hardener and Resin have been mixed, transfer the entire contents of the Resin container into a Casco or Creteangle-type mixer, ensuring that the bottom and sides are thoroughly scraped.

Start the mixer and add the entire contents of the Strongcoat Topping Filler container, ensuring that this is completely dry and lump-free. Continue mixing for approximately two minutes.

- **Never mix Strongcoat Topping by hand as this could lead to areas of uncured material.**



## APPLICATION

Once mixing is complete, transfer the Strongcoat Topping to the primed surface and using a straight-edged steel trowel, apply it evenly. Using **Quickmast Solvent** on the trowel will also aid in producing a tightly closed surface.

- **When applying each kit of Strongcoat Topping, leave approximately 200mm of the closest working edge untrowelled as this will help the blending in of the next kit.**
- **Avoid excessive trowelling as this can lead to marks resembling burns on the surface.**

## WORKING TIME

Approximately 30 minutes at 20°C.

- **Never leave the mixed material to stand for any length of time before application as this will considerably shorten its working time.**

## CLEANING

Once mixing and application are complete, tools can be cleaned with a suitable solvent.

## CURING TIME

At 20°C Strongcoat Topping should be allowed to cure for 24 hours before opening it to pedestrian traffic.

At the same temperature, Strongcoat Topping should be allowed to cure for approximately seven days before opening it to vehicular traffic or exposing it to chemical contamination (consult Technical for details of curing times at other temperatures).

## WORKING CONDITIONS

Do not apply at temperatures less than 10°C.

## SEALING

To ensure that the surface is fully sealed against liquid spills, it is recommended that Strongcoat Topping is sealed with two coats of **Fildek Sealer**. Should a matt finish be required, the surface may be sealed with two coats of **Strongcoat Matt** (see the Strongcoat Matt Data Sheet for further details).

Note: Please note that the application of a sealer will impair the slip resistance of the floor when subject to wet conditions.

## HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheets before use.

## GENERAL GUIDANCE

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical department.

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### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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