STRONGCOAT SL

Self-levelling epoxy topping for floor surfaces

TECHNICAL DATA SHEET PUBLISHED JUNE 2014

PRODUCT FEATURES

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

Strongcoat SL is applied by trowel to horizontal surfaces and has very good durability towards pedestrian and vehicular traffic. It also has very good resistance to many of the chemicals commonly found in an industrial environment (consult our Technical Department for further details). It can be supplied in a variety of colours (consult our Sales Department for details).

Slip resistant finishes can be produced for very demanding situations.

KIT FORM

18kg

THICKNESS RANGE

3-6mm

COVERAGE

Approximately 3.5m² per kit at 3mm 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 Guide to Surface Preparation for further details).

For treatment of surfaces containing expansion joints consult our Technical Department.

PRIMING

Surfaces must be primed with Strongcoat Primer prior to application of Strongcoat SL (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.**

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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/mm²
Impact Resistance (EN ISO 6272-1)	≥ 10 Nm

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of both the Resin and Hardener into a separate mixing container. Using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately two minutes. Once the Strongcoat SL **Hardener** and **Resin** have been mixed, transfer the entire contents of the Resin container into a Casco or Creteangle-type mixer, taking care to ensure that the bottom and sides are thoroughly scraped. Start the mixer and transfer to it the entire contents of the **Strongcoat SL Filler** container, taking care to ensure that these are completely dry and lump-free. Continue mixing for approximately two minutes.

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

APPLICATION

Once mixing is complete, transfer the Strongcoat SL to the primed surface and, using a straight-edged steel trowel, apply it evenly.

WORKING TIME

Approximately 15 minutes at 20°C.

- **Never leave the mixed Strongcoat SL kit to stand for any length of time prior to application as this will considerably shorten its working time.**

FINISHING

Whilst still wet, thoroughly spike roll the Strongcoat SL.

CLEANING

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

CURING TIME

At 20°C Strongcoat SL should be allowed to cure for 48 hours prior to opening it to pedestrian traffic. At the same temperature, it should be allowed to cure for seven days prior to opening it to vehicular traffic or exposing it to chemical contamination (consult Technical for details of curing times at other temperatures).

SLIP RESISTANT FINISHES

Once the Strongcoat SL has cured, apply a coat of **Strongcoat HB**. While the Strongcoat HB is still wet, completely blind it with an appropriate grade of Aggregate (consult our Technical Department for details of Aggregate grades). Allow the coat of Strongcoat HB to cure then vacuum off the excess Aggregate.

Seal the bound Aggregate with a further coat of Strongcoat HB.

WORKING CONDITIONS

Strongcoat SL should not be applied at temperatures less than 10°C.

HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheets prior to 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.

Please consult our Sales Department to confirm that this Data Sheet is the current issue.

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Note:
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