Strongcoat Topping

Trowelled epoxy floor screed

DESCRIPTION

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, It is also available in a decorative quartz finish (consult our Sales Department for details).

APPLICATIONS

Strongcoat Topping is used to provide a hygienic, dense and extremely hard wearing surface for concrete floors for a wide range of applications such as:

- Heavy industry factories.
- Aircraft hangars.
- Paint workshops.
- Steel works.
- Dairies.
- Chemical factories.
- Oil refineries.

ADVANTAGES

- Extremely hard wearing system.
- Solvent free.
- Non-slip.
- Available in a wide range of attractive colours.
- Available in a decorative quartz finish
- Resist a wide range of chemicals, consult DCP technical department for more details.

STANDARDS

Strongcoat Topping complies with the requirements of EN 13813, SR-ARO.5-B2.0-IR10.

TECHNICAL PROPERTIES:	
Wear resistance: EN 13892-4	≤ 50 µm
Bond strength: EN 13892-8	≥ 2.0 N/mm²
Impact resistance: EN ISO 6272-1	≥ 10 Nm
Working time:	30 minutes @ 20°C
Chemical curing:	7 days
Minimum application temperatures:	10°C

METHOD OF USE

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.

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).

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

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Strongcoat Topping

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.

Notes:

» *Never mix Strongcoat Topping by hand as this could lead to areas of uncured material.*
» *Never leave the mixed material to stand for any length of time before application as this will considerably shorten its working time.*

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.

Notes:

» *When applying each kit of Strongcoat Topping, leave approximately 200 mm 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.*

SEALING

To ensure that the surface is fully sealed, it is recommended that Strongcoat Topping is sealed with two coats of water based Strongcoat WD for a semi-matt finish and pigmentation if required. If a matt finish is preferred, it is recommended to seal the surface with Cemflow Sealer (see related data sheets for further details and chemical resistance tables).

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

CURING

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).

CLEANING

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

PACKAGING

Strongcoat Topping is available in 30 kg bags.

THICKNESS RANGE

5 mm and above.

COVERAGE

Approximately 2.95 m² per kit at 5 mm thick.

STORAGE

Strongcoat Topping has a shelf life of approximately 24 months if stored in unopened containers at temperatures between 5°C and 30°C under dry and good conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Strongcoat Topping and its primer should not come into contact with skin and eyes.
In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information, refer to the Material Safety Data Sheet.

FIRE

Strongcoat Topping and its primer are nonflammable.

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- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

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