

# Strongcoat Topping Texture

Heavy duty decorative epoxy topping and sealer for floor surfaces



## Description

Strongcoat Topping Texture is an epoxy decorative system consists of a topping screed (Strongcoat Topping Texture) and a pure epoxy clear sealer (Strongcoat SL Clear).

Strongcoat Topping Texture is a three three-pack solvent free, epoxy-based topping that provides floor surfaces with a seamless, hygienic and cosmetically attractive finish. Strongcoat Topping Texture is applied by spreading and trowelling and has a very good durability towards pedestrian and vehicular traffic. It also has very good resistance towards many of the chemicals commonly found in an industrial environment (consult our Technical department for further details).

For higher degree of clean liness and chemical resistance, Strongcoat Topping Texture is sealed with Strongcoat SL Clear (2 pack pure epoxy).

## Applications

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

- ▲ Industrial factories.
- ▲ Laboratories pharmaceuticals.
- ▲ Paint workshops.
- ▲ Steel works.
- ▲ Dairies.
- ▲ Chemical factories.
- ▲ Oil refineries.

## Advantages

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

## Method of Use

### Substrate Preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

### Technical Properties @ 25°C: For Strongcoat Topping Texture

Colour:	Black & white
Mixed density:	1.65 ± 0.05 g/cm <sup>3</sup>
Compressive strength: BS 6319, Part 2	> 60 MPa @ 7 days
Flexural strength: BS 6319, Part 3	> 15 MPa
Tensile strength: BS 6319, Part 7	> 8 MPa
Pot life:	40 - 50 min
Foot traffic:	After 24 hr
vehicular traffic:	After 72 hr
Chemical curing:	7 days
Bond strength: (pull off)	2 MPa (concrete failure)
Taber abrasion resistance: (1000 g, 1000 cycle) ASTM D4060, weight loss CS17 wheel	70 milligram
VOC: ASTM D2369	< 20 g/ltr

### Technical Properties @ 25°C: For Strongcoat SL Clear

Colour:	Clear
Mixed density:	1.1 ± 0.05 g/cm <sup>3</sup>
Pot life:	30 - 40 min

Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a maximum concrete relative humidity of 80% (max. moisture content of 4%), relative humidity can be measured by using hygrometers. Concrete relative humidity should be less than 80% for concrete of 28 days old or more, for low W/C ratio concrete floors, 80% hygrometer reading or less can be achieved before 28 days age.



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## Surface Preparation

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment.

In case of areas deeply contaminated by oil or grease, such areas should be treated with hot compressed air.

## Priming

Concrete substrates should be primed with Strongcoat Primer. Use lambs wool roller to apply the primer. More than one coat may be required for highly porous or textured surfaces.

Work the primer well into the surface of the concrete and whilst the primer is wet, dress the surface with Antislip Aggregates #3 at the rate of 0.5 kg/m<sup>2</sup> and allow to touch dry.

Another prime coat shall be applied just before applying the mixed Strongcoat Topping Texture to ensure a strong bond between the primer coat and the top coat.

## Mixing

Add the contents of the Strongcoat Topping Texture Hardener into the base container and using a jiffy-type mixer attached to a slow running electric drill, mix for approximately 2 minutes.

Then transfer the entire contents of the base 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 Texture Filler container, ensuring that this is completely dry and lump-free. Continue mixing for approximately 2 minutes.

*Important: Never mix by hand as this could lead to areas of uncured material.*

## Application

Once mixing is complete, transfer the Strongcoat Topping Texture to the uncured (tacky) primed surface and using a straight-edged steel trowel, apply it evenly. The use of Quickmast Solvent when used to clean the trowel will also aid in producing a tight closed surface.

*Important: When applying each kit of Strongcoat Topping Texture, leave approximately 200 mm of the closest working edge untrowelled as this will help the blending in of the next kit.*

*Note: Avoid excessive trowelling as this can lead to marks resembling burns on the surface.*

## Remarks

- ▲ Strongcoat Topping Texture should not be applied on to surfaces known to suffer from damp rising.
- ▲ Strongcoat Topping Texture should not be applied at temperatures below 10°C or where ambient relative humidity exceeds 80%.

## Cleaning

Strongcoat Topping Texture can be removed by DCP solvent prior setting.

## Packaging

Strongcoat Topping "Texture" is available in 25 kg packs (15 litre).

Strongcoat Primer is available in 5 kg packs (4.5 litre).

Strongcoat SL Clear is available in 5 kg packs (4.5 litre).

## Thickness range

5 mm and above.

## Coverage

Strongcoat Topping Texture: Approximately 3 m<sup>2</sup>/kit @ 5 mm thick.

Strongcoat Primer: 5 m<sup>2</sup>/kg.

## Storage

Strongcoat Topping Texture and primer have a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 30°C.

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



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A wide range of construction chemical products are manufactured by DCP which include:

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

## Cautions

### Health and Safety

Strongcoat Topping Texture 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 advise promptly.

For further information refer to the Material Safety Data Sheet.

### Fire

Strongcoat Topping Texture and its primer are non flammable.

DCP solvent is flammable material and should not be used near a naked flame. Do not smoke near DCP solvent.

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**Note:**

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

-  expertise
-  quality
-  full range

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