

# Strongcoat CL100

Solvent-free clear epoxy resin



## Description

Strongcoat CL100 is a high performance, solvent free, two-component clear epoxy based resin used as sealcoat for concrete and cementitious floors. Strongcoat CL100 can also be used for wood finishes and other applications requiring a clear, strong epoxy coating.

Strongcoat CL100 is dustproof, resistant to the penetration of oils and liquids and is easy to clean. It also provides look enhancement for the substrate of which it is applied over.

## Advantages

- ▲ Solvent free.
- ▲ Resists the penetration of liquids and oils.
- ▲ enhances abrasion resistance.
- ▲ Dust proof.
- ▲ Can be used as a look enhancer.
- ▲ Easily applied.
- ▲ Improved impact resistance.
- ▲ Water resistant.
- ▲ Self-levelling with a high gloss finish.

## 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.

Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a maximum concrete relative humidity of 75% (max. moisture content of 5%), relative humidity can be measured using a hygrometer. Concrete relative humidity should be less than 75% for concrete 28 days old or more.

### Surface Preparation

Unsound layers and contaminated surfaces must be prepared using mechanical surface removing equipment. Areas contaminated with oil or grease, should be treated with hot compressed air.

## Technical Properties:

Colour:	Clear
Mixed density:	1.1 ± 0.05 g/cm <sup>3</sup>

## Mixing

Prior to mixing, stir individual components of Strongcoat CL100. Take care to ensure that bottom and sides are thoroughly scraped, transfer the entire content of hardener into the base and mix for 2 - 3 minutes using slow speed mixer fitted with suitable paddle.

## Application

Strongcoat CL100 should be applied by brush or short hair lambs wool roller. Spread evenly at the recommended coverage rate, avoiding any sealer ponding on the floor. Highly porous surfaces may require two coats of the sealer.

## Cleaning

Strongcoat CL100 can be removed by DCP solvent prior to setting.

## Packaging

Strongcoat CL100 is available in 5 kg packs.

## Coverage

5 m<sup>2</sup>/kg to achieve 200 micron dry film thickness per coat.

## Storage

Strongcoat CL100 has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 40°C.

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

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## Cautions

### Health and Safety

Strongcoat CL100 should not come in contact with skin and eyes.

In case of accidental splashes to the eyes, wash immediately with clean water and seek medical advise.

For further information refer to the Material Safety Data Sheet.

### Fire

Strongcoat CL100 is nonflammable.

#### *Flash Point:*

Strongcoat CL100: 75°C.

DCP Solvent: 33°C.

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

#### **Note:**

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