

# Strongcoat SLW100

Waterbased 0.5 - 2 mm self leveling topping for floor surfaces



## Description

Strongcoat SLW100 is a waterbased, epoxy self leveling topping that provides floor surfaces with a seamless, hygienic and cosmetically semi-gloss coloured.

Strongcoat SLW100 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).

## Applications

Strongcoat SLW100 is used to provide a hygienic, dense and hard wearing surface for concrete floors for a wide range of applications such as:

- ▲ Hospitals.
- ▲ Pharmaceutical factories.
- ▲ Showrooms.
- ▲ Laboratories.
- ▲ Light industrial plants.
- ▲ Kitchens.

## Advantages

- ▲ Provides hygienic floor.
- ▲ Hard wearing system.
- ▲ Waterbased.
- ▲ Lightweight.
- ▲ Available in a wide range of attractive colours.
- ▲ 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. 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.

### Technical Properties @ 25°C:

Pot life:	50 - 60 min @ 20°C 30 - 40 min @ 30°C
Foot traffic:	After 24 hr
Vehicular traffic:	After 48 hr
Chemical curing:	7 days
Mixed density:	1.5 ± 0.05 g/cm <sup>3</sup>
Shore A hardness:	> 75 @ 7 days
Bond strength: BS EN 13892-8	> 1.5 MPa (concrete failure)
VOC: ASTM D2369	< 20 g/ltr

Concrete relative humidity should be less than 80% for concrete of 28 days old or more.

Contact DCP Technical Department for further details.

## 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. The primer should be allowed to cure for 24 hours. Use lambs wool roller to apply the primer. More than one coat may be required for highly porous or textured surfaces.

## Mixing

Prior to mixing, stir individual components of Strongcoat SLW100. Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Resin, Hardener, and colour pack into a separate mixing container. Using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately for 2 minutes.



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Once the Strongcoat SLW100 Hardener, Resin, and colour pack have been mixed, transfer the entire contents 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 SLW100 Filler container, taking care to ensure that these are completely dry and lump-free. Continue mixing for approximately 2 minutes. (Never mix Strongcoat SLW100 by hand as this could lead to areas of uncured material.

## Application

Once mixing is complete, transfer the Strongcoat SLW100 to the prime surface at the required thickness by rack. Care should be taken when joining the lanes, to achieve a smooth connection. It is recommended to mask off edges with tape which is then removed while Strongcoat SLW100 is still wet.

## Finishing

While still wet, thoroughly spike roll the Strongcoat SLW100.

## Remarks

- ▲ Strongcoat SLW100 should not be applied on to surfaces known to suffer from damp rising.
- ▲ Strongcoat SLW100 should not be applied at temperatures below 10°C or where ambient relative humidity exceeds 80%.

## Cleaning

Strongcoat SLW100 can be removed by DCP solvent prior setting.

## Packaging

Strongcoat SLW100 is available in 16 kg packs (10.5 litre). Strongcoat Primer is available in 5 kg packs.

## Thickness range

0.5 - 2.0 mm.

## Coverage

Strongcoat SLW100: Approximately 10.5 m<sup>2</sup>/kit @ 1 mm thick.

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

Actual coverage can vary depending on the substrate conditions.

## Storage

Strongcoat SLW100 and primer have a shelf life of 9 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.

## Cautions

### Health and Safety

Strongcoat SLW100 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

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

## More from Don Construction Products

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.

### 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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