

# Cemflow Topping Pigmented

Coloured industrial grade floor topping (apple, sky, almond, chalk, sand)



## Description

Cemflow Topping Pigmented is designed as an industrial grade floor topping for upgrading and renovating new and existing internal floors.

Cemflow Topping Pigmented is supplied as a pre-blended dry powder designed for application between 5 mm to 15 mm (in one application) to provide a finished hard-wearing floor surface.

Cemflow Topping Pigmented is self-smoothing, dimensionally stable, and fast drying. It is suitable for use in a wide range of industrial and commercial environments such as schools, showrooms, galleries, hospitals, factories, warehouses etc. subjected to medium to heavy traffic.

Typically Cemflow Topping Pigmented can be pumped up to 1500 m<sup>2</sup> per day. Coverage of 600m<sup>2</sup> can be achieved when hand applied, dependent upon manpower and equipment used.

We would recommend that Cemflow Topping Pigmented is always sealed with Cemflow Sealer. (Further information is available from our Technical Department or the Product Data Sheets).

## Standards

Cemflow Topping Pigmented complies with EN 13813, Class CT-C35-F10-AR0,5.

## Method of Use

### Surface Preparation

Concrete and sand / cement screeds must be sound, dry and fully cured (not subject to shrinkage) and any laitance or surface treatments must be removed by mechanical means such as grit blasting. The surface tensile strength of the substrate should be a minimum 1.5 N/mm<sup>2</sup>.

For very uneven surfaces, Cemflow Base to a minimum 5 mm should be applied to provide a smooth level surface, prior to the application of Cemflow Topping Pigmented.

An STR should be used to remove any laitance followed by vacuuming and priming with Neoprene Primer. (Please refer to relevant product Technical Data Sheets).

## Technical Properties:

Working time:	20 - 30 min @ 20°C
Setting time:	90 min @ 20°C
Foot traffic:	3 hr
Light traffic:	24 hr
Heavy traffic:	3 days
Compressive strength: BS EN 13892-2	> 20 MPa @ 1 day > 30 MPa @ 7 days > 35 MPa @ 28 days
Flexural strength: BS EN 13892-2	> 4 MPa @ 1 day > 7 MPa @ 7 days > 10 MPa @ 28 days
Abrasion resistance: BS EN 13892-4	AR0,5 (special)
Slip resistance: BS EN 13036-4	Dry 78 Wet (unsealed) 60
Flow properties using 30 mm Ø x 50 mm flow ring: BS EN 12706	120 - 140 mm
Consumption per mm thickness:	1.65 kg/m <sup>2</sup>
Application thickness:	5 - 15 mm

The concrete substrate should be below 75% RH alternatively Strongcoat DPM should be applied. The temperature of the floor must be maintained above 10°C throughout the application and drying of the Cemflow Topping Pigmented.

## Priming

Application on to sand/cement screeds, concrete, Cemflow Base and other porous substrates, first seal the prepared surface by applying one coat of Neoprene Primer diluted with 4 potable parts water and allow to dry.

On particularly porous surfaces prime the sealed surface by applying a further coat of Neoprene Primer diluted with 3 parts potable water and brush well in to the surface.

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The primer must be allowed to dry before the application of Cemflow Topping Pigmented.

Application on to all other surfaces including Surface Damp Proof Membranes (SDPM) and non-absorbent surfaces: Prime with neat Neoprene Primer to ensure that good adhesion is obtained.

## Mixing

### Hand Application

Use a power-whisk fitted in a heavy-duty slow speed electric drill. Mix in the proportion of 20 kg of powder to 3.8 - 4.2 litres of potable water. Pour the water into a suitably sized bucket and gradually add the powder while stirring, until a smooth, lump free consistency is achieved. The material should be mixed for a minimum of 3 minutes.

### Pump Application

Mix the powder and water according to the method recommended by the pump manufacturers. In the case of pumps having a continuous water feed adjust the rate of water flow until the mix is a smooth fluid, uniform grey liquid with no surface separation, producing a flow of approximately 130 mm using a 35cc flow ring.

## Application

Pour or pump the mixed material onto the prepared surface and allow to attain a smooth finish. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines. Apply at a thickness between of 5mm to 15 mm in one pass only.

We would recommend the first coat of Cemflow Sealer should be applied over the Cemflow Topping Pigmented a minimum of 6 hours after application. (Please refer to Cemflow Sealer Technical Data Sheet).

## Remarks

- ▲ Do not place when the substrate temperature is below 10°C or when the ambient temperature is 10°C and falling.
- ▲ Protect from frost.
- ▲ Do not exceed the maximum recommended water content and only use potable cold water.
- ▲ This product is not recommended for external use or situations where water may come into direct contact with the cured material.

## Cleaning

Wash tools with water immediately after use.

## Packaging

Cemflow Topping Pigmented is available in 20 kg bags.

## Coverage

A 20 kg bag using 4 litres of clean water will yield approximately 12 litres.

A 20 kg pack of Cemflow Topping Pigmented will cover approximately 2.4 m<sup>2</sup> at 5 mm thickness.

## Storage

Cemflow Topping Pigmented has a shelf life of 6 months from date of manufacture if stored at temperatures between 10°C and 30°C in unopened bags and under dry warehouse conditions.

Protect from frost.

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

## Cautions

## Health and Safety

For further information refer to the Material Safety Data Sheet.

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- ▲ 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.