

Cemflow Topping Pigmented (25 kg)

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



DESCRIPTION

Cemflow Topping Pigmented is a self-smoothing, dimensionally stable, and fast drying industrial grade floor topping designed 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 industrial floor.

Typically, Cemflow Topping Pigmented can be pumped up to 1500 m² per day. Coverage of 600 m² can be achieved when hand applied, dependent upon manpower and equipment used.

Cemflow Topping Pigmented is recommended to be sealed with Cemflow Sealer. (Further information is available from our Technical Department or the Product Data Sheets).

Cemflow Topping Pigmented is also protein free so may be used in biologically sensitive areas.

APPLICATIONS

Cemflow Topping Pigmented 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. It is suitable for application onto a wide range of subfloor types, including; sand and cement screeds, concrete, terrazzo, granolithic, epoxy and polyurethane resins and waterproof membranes.

ADVANTAGES

- › Single component, requires only addition of water.
- › Fast setting.
- › Easy and fast application.
- › Excellent adhesion.
- › Excellent abrasion resistance.
- › High coverage efficiency.
- › Highly decorative screed.
- › Low application thickness threshold.
- › Pigment included within the packaging.

METHOD OF USE

SUBSTRATE 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/mm².

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: EN 13892-2	> 20 N/mm ² @ 1 day > 30 N/mm ² @ 7 days > 35 N/mm ² @ 28 days
Flexural strength: EN 13892-2	> 4 N/mm ² @ 1 day > 7 N/mm ² @ 7 days > 10 N/mm ² @ 28 days
Abrasion resistance: EN 13892-4	AR0.5 (special)
Slip resistance: EN 13036-4	Dry 73 Wet 40
Flow properties using 30 mm ø x 50 mm flow ring: EN 12706	120 – 140 mm
Consumption per mm thickness:	1.69 kg/ m ²
Application thickness:	5 – 15 mm

For uneven surfaces, apply Cemflow Base/Renovation to a minimum 5 mm to provide a smooth level surface, prior to the application of Cemflow Topping Pigmented. (Please refer to relevant product Technical Data Sheets).

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.

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SURFACE PREPARATION

Prior to application on to impervious surfaces the area should be thoroughly cleaned and lightly scarified. Any existing surfaces should be well bonded (> 1.5 N/mm²).

The perimeter of the room and any columns should be isolated using a compressible strip. For application over underfloor heating please contact DCP Technical Department for specific advice.

PRIMING

TO CONCRETE AND CEMENT SCREEDS

Begin by applying a single coat of Strongcoat Primer, letting it cure thoroughly. Follow this with a second coat. While the second coat is still tacky, uniformly distribute DCP Aggregate across the surface at a rate of about 3 kg/m², ensuring complete coverage and the absence of any resin spots.

Allow the applied materials to dry fully, ideally overnight, then clear away any excess aggregate. Proceed with the application of Cemflow Topping Pigmented. Note that substrate conditions might necessitate the use of Cemflow Primer as an alternative approach.

TO IMPERVIOUS SURFACES

For application onto impervious surfaces such as tiles, coatings or onto surfaces treated with Strongcoat DPM (please read relevant product technical data sheet), start by applying Strongcoat Primer. Before the primer dries, and while it's still tacky, blind the surface fully with DCP Coarse Aggregate at roughly 3 kg/m² to ensure it's evenly covered without resin spots.

Allow this layer to dry completely, typically overnight, before removing any excess aggregate. Proceed with applying the Cemflow Topping Pigmented to the prepared surface.

MIXING

HAND APPLICATION

Use a power-whisk fitted in a heavy-duty slow speed electric drill. Mix in the proportion of 25 kg of powder to 4.5 – 5.0 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. Leave to stand for 2 - 3 minutes and mix briefly for 1 minute before applying.

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 5 mm 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).

CLEANING

Wash tools with water immediately after use.

PRECAUTIONS

- » 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.
- » This product should not be applied to asphalt or bituminous surfaces.



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PACKAGING

Cemflow Topping Pigmented is available in 25 kg paper sacks.

COVERAGE

A 25 kg pack will cover approximately 3 m² at 5 mm thickness.

YIELD

A 25 kg pack using 5 litres of clean water will yield approximately 15 litres.

STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 10°C and 30°C.

SHELF LIFE

6 months in unopened bags and stored under good conditions.

HEALTH AND SAFETY

Consult the appropriate Material Safety Data Sheet prior to using each product.



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- » Building products.
- » Structural strengthening.

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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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