

Cemflow Level Latex

Rapid-setting, smooth finish floor leveling underlayment [formerly known as Cemflow Don Level Latex]



DESCRIPTION

Cemflow Level Latex is a two component, mid-strength leveling underlayment, comprising a powdered mixture of cements, selected fillers, and additives, along with a pre-measured polymer liquid.

APPLICATIONS

Cemflow Level Latex is ideal for interior residential and commercial projects, suitable for smoothing and leveling subfloors from 4 to 15 mm thickness. It offers moisture tolerance, making it suitable for environments susceptible to moisture.

ADVANTAGES

- » Can be applied at various thicknesses.
- » Exceptional flow characteristics.
- » Fast setting.
- » Moisture tolerant when fully cured.
- » Easy application.

METHOD OF USE

SUBSTRATE PREPARATION

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. To improve adhesion, smooth and dense surfaces should be mechanically roughened.

The concrete substrate should be below 75% RH. Alternatively, Strongcoat DPM should be applied. The temperature of the substrate must be maintained above 5°C throughout the application of Cemflow Level Latex.

PRIMING

TO CONCRETE AND CEMENT SCREEDS

For application on sand/cement screeds, concrete, and other porous substrates, begin by sealing the prepared surface. Apply one coat of Cemflow Primer, diluted with three parts potable water, and allow it to dry. Follow with a second coat of the primer, also diluted at a 3:1 ratio, and let it dry thoroughly. Depending on the substrate's porosity, an additional coat may be necessary.

To determine if this is required, test a small area to ascertain the correct priming needs. Alternatively, Strongcoat Primer may be used.

TECHNICAL PROPERTIES:

Working time:	15 - 20 min @ 20°C
Foot traffic:	4 - 6 hr
Compressive strength*: BS EN 13892-2	≥ 15 N/mm ² @ 7 days ≥ 18 N/mm ² @ 28 days
Flexural strength*: BS EN 13892-2	≥ 3 N/mm ² @ 7 days ≥ 4 N/mm ² @ 28 days

**Note: Cured under dry conditions*

PRIMING WITH STRONGCOAT PRIMER

Apply one coat of Strongcoat Primer and allow it to cure. Apply a second coat and, while still tacky, fully blind with DCP Aggregate at a rate of approximately 3 kg/m² until the surface is uniformly covered with no visible resin spots. Allow this to dry completely overnight, then remove any excess aggregate before applying Cemflow Level Latex.

TO IMPERVIOUS SURFACES

For applications on impervious surfaces, such as tiles, coatings, or over Strongcoat DPM (refer to the relevant product technical data sheet), begin by applying Strongcoat Primer. While the primer is still tacky, thoroughly blind with DCP Coarse Aggregate at approximately 3 kg/m², ensuring the surface is fully covered and no resin spots are visible. Allow to dry fully overnight and then remove any excess aggregate before proceeding with the application of Cemflow Level Latex.

MIXING

Before opening, shake the pre-measured liquid bottle. Empty the entire liquid component into a large bucket and mix using a power-whisk fitted in a heavy-duty slow speed electric drill. Slowly add the powder component while continuous mixing is taking place.

Continue mixing until a smooth, lumps free consistency is achieved. Total mixing time must not be less than 3 minutes.

Ensure that sufficient labour is available to enable continuous mixing and pouring. Place the Cemflow Level Latex within 2 minutes of completion of mixing.

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APPLICATION

Cemflow Level Latex can be poured to achieve an even surface. For optimal results, immediately use a spike roller on the freshly poured material to remove any entrapped air and ensure a smooth, level finish. Since the product sets rapidly, make sure to use the spike roller while it is still fluid.

REMARKS

- » The optimal conditions for applying the product are when both ambient air and floor temperatures range between 10°C and 22°C.
- » High humidity combined with low temperatures can delay the moisture evaporation from the newly applied smoothing underlayment, thus extending the drying time.
- » Low humidity and high temperatures facilitate a quicker drying process by accelerating moisture removal from the freshly applied smoothing underlayment.

CLEANING

All tools should be cleaned immediately after use with fresh clean water.

PACKAGING

Cemflow Level Latex is available in 24 kg kits.

COVERAGE

For a 24 kg kit, the following coverage rates apply:

Approximately 3.2 m² at 4 mm thickness.
Approximately 0.8 m² at 15 mm thickness.

STORAGE

Powder: Store in a dry location with temperatures maintained between 10°C and 30°C.

Liquid: Store in a cool, shaded area away from direct sunlight, ensuring temperatures remain above 10°C consistently. Exposure to freezing conditions may compromise the performance of the product.

SHELF LIFE

Cemflow Level Latex has a shelf life of 6 months from date of manufacture if stored in unopened, undamaged, sealed containers and stored under good conditions.

If these conditions are exceeded, contact DCP Technical Department for advice.

CAUTIONS

HEALTH AND SAFETY

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

FIRE

Cemflow Level Latex is non-flammable.

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- » Building products.
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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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