

Cemflow Rapid Water Based Damp Proof Membrane

One component, rapid drying, damp-proof membrane



Description

Cemflow Rapid Water Based Damp Proof Membrane is a one component, solvent free, ready to use, damp-proof membrane that dries rapidly to provide a waterproof surface membrane. It is blue pigmented to allow for uniform application and coverage.

It is specially designed to be applied by roller in a minimum of two coats to suppress the passage of residual construction moisture and rising dampness from affecting the installation of subsequent floor coverings, and enabling early installation of floor coverings in fast track building programs.

APPLICATIONS

It is designed to be applied to isolate residual construction moisture where relative humidity values are up to 95%.

ADVANTAGES

- » One component, ready to use.
- » Impedes the passage of construction moisture up to 95% RH when applied in two coats.
- » Colour pigmented, which helps providing uniform coverage.
- » Can be re-sealed and stored for future use.

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 tensile strength of 1.5 N/mm².

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment to produce a slightly textured surface.

Power floated concrete should be mechanically prepared. Rough, uneven, or damaged concrete or sand/cement screeds must be smoothed and repaired while ensuring to minimize the occurrence of pinholes.

MIXING

It is supplied as one component and doesn't require mixing. Shake the bottle well to mix the contents immediately prior to use.

TECHNICAL PROPERTIES @ 20°C:

Colour:	Blue
Consistency:	Liquid
Coverage:	3.3 m ² /kg per 2 coats
Overcoating time:	30 min
Minimum application temperature:	10°C
VOC:	< 20 g/ltr (comply with LEED)

APPLICATION

The product should be applied in a minimum of 2 coats using a short hair lambs wool roller at 3.3 m²/kg per two coat for up to 95% RH.

The coverage rate refers to a smooth, clean surface. A textured or highly absorbent surface profile will reduce the coverage rate.

With particularly low absorbent or finished screeds with a tight surface:

First, apply a diluted coat of the product with water (1:1) and allow it to dry for approximately 20 minutes.

This will ensure that the product penetrates into the surface of the screed prior to applying the two coats of undiluted product.

Using a pre-coated roller apply the first coat in one direction ensuring that the material is worked well into the substrate. When the first coat is touch dry, approximately after 15 - 30 minutes at 20°C, apply the second coat at a right angle to the first coat.

It is essential that a pinhole free coating is achieved to maintain a coverage rate of 3.3 m²/kg as a two coat application.

When applied to very absorbent surfaces:

The membrane can be absorbed into the subfloor leaving a subdued shine. In such instances or where pinholes and weak spots are evident, a further application will be required.

If the membrane is not covered within 12 hours of curing, a further coat of Cemflow Rapid Water Based Damp Proof Membrane must be applied and allowed to dry before proceeding with the application of further coatings.

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CURING TIME

The curing time will greatly depend on ambient temperature, at an ambient temperature of 20°C allow 15 - 30 minutes for the first coat to become touch dry then apply the second coat.

Allow 30 minutes for the second coat to cure.

LIMITATIONS

- » The floor temperature must be above 10°C when the membrane is applied.
- » The product is not recommended to be applied over synthetic anhydrite or other gypsum/sulphate based substrates.
- » The product is not suitable for use on subfloors with underfloor heating.

CLEANING

All tools should be cleaned immediately after use with fresh clean warm water. Hardened materials should be cleaned mechanically.

PACKAGING

The product is available in 6, 12, 18 kg packs.

COVERAGE

It should be applied in a minimum of 2 coats at 3.3 m²/kg per 2 coats for up to 95% RH.

6 kg will cover approximately 20 m² when applied in two coats.

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STORAGE

It has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 30°C in original unopened bags.

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

CAUTIONS

HEALTH AND SAFETY

The product may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

FIRE

The product is nonflammable.

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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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05-0154-UK-A-2023