

CEMFLOW SEALER

Water based, polyurethane concrete and screed sealer



TECHNICAL DATA SHEET PUBLISHED JULY 2020

PRODUCT FEATURES

Cemflow Sealer is a clear, water-dispersed polyurethane sealer designed to protect and seal Cemflow screeds and concrete surfaces, providing a hygienic and durable floor.

The application of Cemflow Sealer helps to protect the floor surface and ease maintenance by reducing the adhesion of dirt and other debris, whilst eliminating dusting.

Cemflow Sealer is UV stable and resistant to many of the chemicals commonly found in industrial applications.

Cemflow Sealer has excellent abrasion resistance and a high bond strength.

MATERIALS SUPPLIED

5 litre, two component kit.

STORAGE

Store at temperatures between 5°C and 30°C.

SHELF LIFE

Approximately 12 months if stored in unopened containers and under good conditions.

COVERAGE

The first coat of Cemflow Sealer should be applied diluted 1:1 with water, and subsequent coats should be applied neat. Typical coverage of the first coat is approximately 10m² per litre of diluted material, and the typical coverage of subsequent coats is 10m² per litre of neat material.

N.B. Coverage rates are approximate and will vary according to amount of overcoating during application and substrate porosity. Each subsequent coat will generally require less material.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surfaces to be sealed must be clean, dry and free from dust or other debris or contaminants. Cemflow Sealer can be used to seal Cemflow Topping and Cemflow Topping Pigmented as soon as 1 hour after the screed has set, dependant on temperature and humidity conditions.

TECHNICAL INFORMATION

Mixed density	1.05 g/ml
Solid content	44% ± 1
Pot life	4 hr
Bond strength (N/mm ²)	> 2.5
UV resistance	Excellent

APPLICATION

For best results, mix component A with component B for a minimum of 2 minutes using a high speed mixer, such as a drill with paddle attachment. Once mixed leave to rest for 5 minutes, and then remix to consistency at a slow speed.

Prior to application of neat Cemflow Sealer it is recommended that a dilute coat 1:1 Cemflow Sealer/ Water be applied. This should be followed by 1 or 2 coats of neat Cemflow Sealer.

Pour neat Cemflow Sealer into a roller tray and, using a roller, apply it evenly over the surface at a rate of approximately 10m² per litre.

When applying a second coat of Cemflow Sealer, we would recommend that this be applied at an angle of 90 degrees to the first coat to ensure complete coverage. Under typical conditions, a second coat can be applied approximately 1 hour after the first.

Note: DO NOT POUR CEMFLOW SEALER DIRECTLY ONTO THE SURFACE OF CEMFLOW TOPPING.

SLIP RESISTANCE

Cemflow Sealer has excellent slip resistance in dry conditions, however when wet, the risk for slip is greatly increased. Spillages should be cleaned up as soon as possible. If the surface is likely to be used in a wet environment and a slip resistant finish is required please contact our Technical Services Department for more details.

Typical slip resistance figures PTV:

Dry 54
Wet 36

Note: CEMFLOW SEALER IS DESIGNED AS AN INDOORS SEALER AND AS SUCH ANY SPILLAGES OF LIQUIDS MUST BE CLEANED UP QUICKLY WITH WET FLOOR SIGNAGE TO AVOID SLIPS.

CHEMICAL RESISTANCE

Cemflow Sealer offers a level of chemical resistance to many commonly found chemicals in commercial and industrial applications. In environments where the floor is to be in regular contact with chemicals, or for improved chemical resistance, we would recommend the application of a water-based epoxy coating.

Please contact our Technical Services Department for more details. Note: In keeping with good housekeeping, any spillages should be cleaned as soon as possible, ideally within 30 minutes in order to reduce the risk of staining.

CLEANING

Once mixing, application and finishing are complete, tools can be cleaned with warm soapy water.

CURING TIME

Cemflow Sealer should be tack-free in approximately 1 hour at 20°C and ready to accept light foot traffic after 6 hours. Wheeled traffic can be accepted after 24 hours, but in heavy-duty applications, the floor should not be used for 3 days to allow full drying and curing of the sealer.

HEALTH AND SAFETY

Consult the appropriate Material Safety Data Sheet prior to use.

GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

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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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