

RESICHEM 572 Concrete Seal CWC

Resichem 572 Concrete Seal CWC is a single component, engineering grade, polymer modified, reactive cementitious coating with high adhesive properties. It is used in permanent immersion or negative pressure waterproofing. It incorporates the most advanced micro-silica, polymer and fibre technology, curing to give a dense matrix which is impermeable to water under 10 bar hydrostatic head. Supplied as a single component system, ready for on-site mixing and use.

Typical Applications

Sealing and waterproofing structures such as basements, containment areas, sumps etc. This material has been designed to be used in conjunction with the Resichem range of coatings.

Surface Preparation

Remove all loose material, dust, surface laitance, mould release agent and any other form of contamination. Roughen smooth surfaces using a grinder. Ensure substrate is free from water back pressure.

Fill larger voids and install a fillet at wall and floor angles using 570 Concrete Patch Repair XF.

Thoroughly soak the substrate with clean water until fully saturated. Remove excess water. For highly porous surfaces seal the surface using Resichem 505 Damp Seal.

Mixing and Application

Do not apply when the ambient or substrate temperature is below 5°C (40°F) or the relative humidity is above 90%.

Brush or thin film applications - pour 4.25 litres (1.1 US GAL) of clean water into mixing vessel and add the bag of Resichem 572 Concrete Seal CWC. Always add powder to water, mix until the product is consistent and streak free. For the 1st coat of material apply the screed using a brush to a film thickness of 2-3mm (up to 1/8"), allow to cure for a minimum of 4-6 hours (20°C/ 68°F) and apply a 2nd coat at 2-3mm (up to 1/8") wet film thickness. On floors the material can be applied at a maximum wet film thickness of 3mm (up to 1/8") using a squeegee and then spiked rolled to remove any entrapped air.

Render applications – pour 2.5litres (0.66 US GAL) of water into a mixing vessel and add the bag of Resichem 572 Concrete Seal CWC.

Always add powder to water, mix until the product is consistent and streak free.

Skim the render material across the surface using a trowel or float to fill any blowholes or minor defects.

Then apply the render material using a trowel or float to a maximum wet film thickness of 6mm (up to ¼") over all surfaces.

The maximum wet film thickness that 572 Concrete Seal CWC can be applied as a render is 6mm (up to ¼").

Cure Times

At 20°C the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable Life	30mins
Minimum Application Temperature	5°C (40°F)
Maximum Application Temperature	35°C (95°F)

Over-coating times

Minimum – 48 to 72 hours dependent on temperature

Maximum - indefinite

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Pack Size

25kg (55lb)

Yield

15 litres per 25kg bag at 2.5 litres water addition (Render Applications)
4 US Gallons per 55lb bag at 0.66 US Gallons water addition

15.8 litres per 25kg bag at 4.5 litres water addition (Brush Applications)
4.2 US Gallons per 55lb bag at 1.2 US Gallons water addition

Coverage rates

WET FILM THICKNESS	RENDER APPLICATIONS	BRUSH APPLICATIONS
1MM (1/32")	15m ² (61ft ²)	15.8m ² (170ft ²)
2MM (1/16")	7.5m ² (80ft ²)	7.9m ² (85ft ²)
6MM	2.5m ² (27ft ²)	N/A

Technical data and Performance

Compressive Strength BS 4551	13 MPa 1 day 45 MPa 28 days
Flexural Strength BS 4551	10.5 MPa 28 days

Storage Life

12 months if unopened and store in normal dry conditions (15-30°C/ 60-80°F)

Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

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