

RESICHEM 572 Concrete Seal CWC – polymer modified cement based screed

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.

- Resists 10 bar negative hydrostatic pressure
- Ideal as a render to combat moisture ingress
- Fully compatible with Resimac primers and chemical top coats

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

1. Remove all loose material, dust, surface laitance, mould release agent and any other form of contamination.
2. Roughen smooth surfaces using a grinder.
3. Ensure substrate is free from water back pressure.
4. Thoroughly soak the substrate with clean water until fully saturated. Remove excess water.

Mixing

Prior to mixing please ensure the following:

1. The water used to mix with the cement mortar powder must be at a temperature between 15-25°C (60-77°F).
2. The ambient & surface temperature is above 10°C (50°F).

Once these 2 checks have been met, please proceed with mixing the product.

Brush or thin film applications –

1. Pour 4.25 litres (1.1 US GAL) of clean water into mixing vessel.
2. Add the 25kg bag of Resichem 572 Concrete Seal CWC. Always add powder to water.
3. Mix until the product is consistent and streak free.

Render applications –

1. Pour 2.5litres (0.66 US GAL) of water into a mixing vessel.
2. Add the 25kg bag of Resichem 572 Concrete Seal CWC. Always add powder to water.
3. Mix until the product is consistent and streak free.

Application

Brush or thin film applications –

1. For the 1st coat of material apply the screed using a brush to a film thickness of 2-3mm (up to 1/8").
2. Allow to cure for a minimum of 4-6 hours (20°C/ 68°F).
3. Apply a 2nd coat at 2-3mm (up to 1/8") wet film thickness.
4. 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 –

1. Skim the render material across the surface using a trowel or float to fill any blowholes or minor defects.
2. Then apply the render material using a trowel or float to a maximum wet film thickness of 6mm (up to ¼") over all surfaces.
3. The maximum wet film thickness that 572 Concrete Seal CWC can be applied as a render is 6mm (up to ¼").

Coverage Rates

Brush/ Thin film applications

25kg bag/ 4.25ltrs of water added

volume yield 15.8ltrs of mixed product

Render applications

25kg bag/ 2.5ltrs of water added

volume yield 15ltrs of mixed product

WET FILM THICKNESS	RENDER APPLICATIONS	BRUSH APPLICATIONS
1MM (1/32")	15m ² (161ft 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

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Cure Times

At 20°C (68°F) 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	30 minutes
Minimum overcoat	48 hours
Maximum overcoat	5 days

Pack Sizes

This product is available in the following pack sizes –
25kg bag

Colour

Dark grey

Over-coating times

Minimum - the material can be over-coated after 48 hours at 20°C (68°F).

Maximum – 5 days

Storage Life

2 years if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

Other Technical Documents

Safety Data Sheets	-	Single component material
Product Specification Sheet	-	Technical Performance Information

Health and Safety

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

Legal Notice:

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine if the product is suitable for use. Resimac accepts no liability arising out of the use of this information or the product described herein.