

RESICHEM 571 Concrete Repair LW

Resichem 571 Concrete Repair LW is a light weight three part solvent free epoxy repair mortar designed for use on cementitious surfaces. The light weight nature of the material makes it ideal for repairs to overhead columns, sills and vertical concrete surfaces.

Typical Applications

Suitable for repairs to overhead sills and vertical concrete structures.

Surface Preparation

1. The concrete surface must be free of all dust and loose materials.
2. Compressed air can be used to clean any thin hairline cracks or deep pitting.
3. For oil contaminated surfaces an enzyme cleaner must be applied to the surface to ensure that All residual oil contamination is taken away from the repair area.
4. If required the surface of the concrete can be abraded using a mechanical grinder to ensure the repair material is adhering to a sound concrete surface.

Mixing and Application

Do not apply when the ambient or substrate temperature is below 5°C (40°F)

The 2.5kg (5.5lb) pack of 571 Concrete Repair LW contains the following items –

1 x Primer Base, 1 x Primer Activator

1 x Aggregate Activator, 1 x bag of Aggregate incorporating epoxy resin

Priming – pour the primer activator component into the primer base component and mix with the spatula provided. Once streak free apply by brush the mixed primer material to the repair area. Ensure the primer is pressed into any cracks or pitting and the concrete surface is thoroughly soaked in the primer coating.

Once the primer has cured pour the bag of aggregate into the 5ltr white pail provided and then pour the activator component into the 5ltr (1 US Gallon) white pail.

For the best results use an electric paddle mixer to ensure the two components are thoroughly mixed.

Take the content of the 5ltr white pail and using a trowel, apply the material to the damaged concrete surface.

For overhead or vertical surfaces the material must be applied in layers of up to 75mm (up to 3”).

If the repair area is very deep then allow the product to cure before applying further layers of material.

For the best finish spray water onto the face of the trowel for the finishing skim as this will ensure a smooth surface finish.

If the repair area is to be over coated with an epoxy or polyurethane coating system then allow the repair surface to tack off and then roughen the surface with coarse sand paper to create a key for adhesion with the coating material.

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	60mins
Movement without load or immersion	8 hours
Machining and light loading	12 hours
Hard Traffic	24 hours

Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.

Maximum - the over-coating time should not exceed 12 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

Storage Life

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

Technical data and Performance

Compressive Strength ASTM D695	420kg/ cm² (6000 psi)
Flexural Strength ASTM D790	280kg/ cm² (4000 psi)
Direct Pull Adhesion ASTM D4541	35kg/ cm² (500 psi)
Tensile Strength ASTM D683	160kg/ cm² 2300 psi

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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