

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 rebuilding the following surfaces -
Lintels, Sills, Walls, Ceilings

Characteristics

Appearance

Activator component: Amber liquid
Aggregate: Grey powder

Mixing Ratio

Product cannot be part mixed

Density

Mixed: 1.00

Solids content

100%

Sag Resistance

Nil at 50mm (2")

Coverage

Trowel applications

A 2.5kg unit will have the following coverage rate
0.83m² at 3mm 8.8ft² at 0.11"
0.5m² at 5mm 5.35ft² at 0.19"
0.36m² at 7mm 3.85ft² at 0.27"
0.277m² at 9mm 2.97ft² at 0.35"

Cure Times

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

Usable life

10°C 2 hours
20°C 60 minutes
30°C 30 minutes
40°C 15 minutes

Touch Dry

10°C 16 hours
20°C 8 hours
30°C 4 hours
40°C 2 hours

Maximum Overcoating

10°C 48 hours
20°C 24 hours
30°C 12 hours
40°C 6 hours

Storage life

5 years if unopened and stored in normal dry conditions (15-30°C)

Mechanical Properties

Compressive strength

Tested to ASTM D 695
420kg/cm² (6000psi)

Flexural Strength

Tested to ASTM D790
280kg/cm² (4000psi)

Direct Pull off Adhesion

Tested to ASTM D4060
35kg/cm² (500psi)

Chemical Resistance

The product resists attack by a wide variety of low concentration industrial chemicals:

Typical Chemicals	Maximum Temperature
Brine	40°C
Crude Oil	40°C
De-ionised Water	20°C
Diesel	40°C
Hydrochloric Acid 10%	40°C
Phosphoric Acid 30%	40°C
Sodium Hydroxide 30%	40°C
Sulphuric acid 10%	40°C

For more detailed information refer to the Resimac Technical Centre for advice.

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health and safety

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

Legal Notice: The data contained within this Product Specification 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 the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.