

RESICHEM 522 ACRYLIC SEALER – water based acrylic sealer for porous surfaces

Resichem 522 Acrylic Concrete Sealer is a water based acrylic emulsion ideal for sealing concrete and cementitious surfaces. The low viscosity fluid penetrates deep into the surface making it ideal for dustproofing and sealing concrete surfaces. Resichem 522 Acrylic Concrete Sealer is a single pack product with low odour which is safe and easy to apply, once cured the coating will leave a slight sheen to sealed concrete substrates.

- Single component
- Water based
- Simple and easy to apply

Typical applications

522 Acrylic Sealer must be used as part of the Resimac Hygienic Wall coating system to seal porous concrete & cementitious surfaces.

Surface Preparation

Existing Concrete

1. If the concrete surface is contaminated, pressure wash using clean water.
2. Once the concrete is dry, lightly abrade or scarify taking care not to expose the aggregate.
3. Clean all dust and debris from the surface.

New Concrete

1. Allow new concrete to cure for a minimum of 21 days and treat to remove any surface laitance.
2. Check the moisture content of the concrete prior to coating (8% moisture content or below).
3. Lightly scarify the surface taking care not to expose the aggregate.
4. Clean all dust and debris from the surface.

Plasterboard

1. Ensure the plasterboard surface is dry and free from contaminants.

Mixing

This product is a single component material, however please ensure the following:

1. The material is at a temperature between 15-25°C (60-77°F°).
2. The ambient & surface temperature is above 10°C (50°F°).
3. The ambient & surface temperatures are not less than 3°C (6°F) above the dew point.
4. Shake the plastic unit containing 522 Acrylic sealer to ensure a consistent mix of material.

Application

Brush or roller applications

1. Pour the material into a paint kettle or paint tray.
2. Using a 50mm (2") wide synthetic brush, stripe coat all edges, joints, corners and equipment with the material. Apply the material as liberally as possible.
3. Once the stripe coat has cured sufficiently and is capable of being overcoated, apply 522 Acrylic Sealer to all surfaces as liberally as possible (approx. 100 microns/ 4mil WFT).
4. Once the sealer has cured the coated surface should have a sheen, if there are any dull patches these will need to be overcoated with a further coat of 522 Acrylic Sealer.
5. Once you have a uniform finish to the coated surface leave the sealer to cure for 2 hours at 20°C (68°F).

Coverage Rates

5ltrs (1.2 US gallon) of fully mixed product will give the following coverage rates –

50m² at 100 microns 536ft² at 4mil

20ltrs (5.3 US gallon) of fully mixed product will give the following coverage rates –

200m² at 100 microns 2146ft² at 4mil

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:

Touch dry	2 hours
Minimum overcoating time	2 hours
Maximum overcoating time	72 hours

Pack Sizes

This product is available in the following pack sizes – 5ltrs (1.3 US gallon), 20ltr (5.3 US gallon).

Colour

Single component – Milky liquid

Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 2 hours at 20°C (68°F).

Maximum - the over-coating time should not exceed 72 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

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

Other Technical Documents

Safety Data Sheets - Single component

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.