

RESICHEM 556 Clear Cladding

Resichem 556 Clear Cladding is a single component water-based masonry treatment which when applied to porous surfaces forms an invisible water repellent barrier.

Unlike conventional systems, Resichem 556 Clear Cladding does not seal the surface but instead its micro-emulsion based chemistry allows it to penetrate deeply into the pore structure where it forms a hydrophobic lining to the individual pores while still allowing any moisture vapour inside the structure to be released.

By this means Resichem 556 Clear Cladding provides long term protection against water penetration even against wind driven rain. In addition, there is less risk of spalling through freeze/thaw cycles, building fabric insulation properties are maintained and dirt pick up is minimised.

The product is conveniently supplied as a concentrate which is let down on site to give just the amount required for application, and is suitable for use on a wide range of porous mineral surfaces including stone, brick, concrete, cement mortar, asbestos cement, etc.

Surface Preparation

All surfaces to be treated should be free of contamination such as dirt, salt (particularly in coastal environments), efflorescence, moss and algae, etc., and any loose material removed. Where necessary power washing should be used allowing the surface to dry out thoroughly before treatment.

Defects in masonry should be remedied before treatment. Badly deteriorated mortar should be removed and re-pointed and any holes made good. Hairline cracks are acceptable to treat but wider cracks should be opened up and filled with a suitable repair material.

Damaged expansion joints or sealant around window and door features should also be made good prior to treatment.

Mixing

Resichem 556 Clear Cladding is supplied in concentrate form and requires diluting with clean cold tap water. Measure out one part by volume of Resichem 556 Clear Cladding to 9 parts of clean tap water into a plastic container and mix thoroughly. If using the whole of the contents of a 1 litre (0.25 US gallon) can, add nine cans of water to give 10 litres (2.5 US Gallons) of mixed material. Please note, however, that the whole of the mixed material must be used within 24 hours or its effectiveness will be reduced. Partly used cans of concentrate must be tightly resealed after use.

Where masonry is particularly exposed and subject to severe wind driven rain it is beneficial to dilute the concentrate at a ratio of 7 parts to 1 by volume.

Application

Resichem 556 Clear Cladding should only be applied to a dry or slightly damp surface and never when the temperature is below 5°C (40°F) or there is a risk of freezing.

Resichem 556 Clear Cladding must be applied from the lowest point of the substrate to be treated, working progressively upwards. The material should be applied liberally by brush or a low pressure spray unit allowing material to run down the wall and penetrate into the previously coated surface. Coverage rates will vary depending on substrate and porosity, and the following figures are given as a guide:

Substrate	Coverage per litre when diluted
Smooth Concrete	2.6 sq metres (28sq ft)
Rough Concrete	1.3 sq metres (14sq ft)
Smooth Brick	2.6 sq metres (28sq ft)
Soft Brick	1.3 sq metres (14sq ft)
Asbestos cement	2.6 sq metres (28sq ft)
Natural Stone	2.1 sq metres (22.75sq ft)

Care should be taken to ensure that any surface not to be treated should be protected from splashes or over-spray. In particular, windows and doors should be protected and cars should be parked far enough away to prevent contamination by wind driven spray.

In the event of accidental contamination of any surface, this should be washed with water immediately

Drying Times

The drying time of the material will be dependent on temperature, humidity and air movement. Under normal circumstances the substrate will be dry within 2 hours although it will take up to 24 hours for it to develop full waterproof properties.

Storage Life

A minimum of 24 months if unopened and stored in normal dry conditions 15-30°C (60°F-86°F). Once the container has been opened and resealed, use within 3 months.

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 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 the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.