

# Render **SEALER**

Render SEALER is a highly, effective water repellent, formulated from solvent free silicone/siloxane emulsion.



**Render SEALER** is primarily used to prevent water penetration in buildings through the exterior structure, but can be applied to a multitude of substrates. Surfaces treated with **Render SEALER** remain vapour permeable, which ensures moisture does not remain trapped in the structure, which could cause issues in future.



## ADVANTAGES

- Easy application by brush, roller or low pressure spray.
- Becomes effective straight after drying (approx. 3 hours).
- Will shed waterborne dirt and surface contamination
- Can be overcoated with decorative paints after a thorough drying period
- Effective for at least 10 years
- Improves insulation of a structure
- Can be applied to slightly damp surfaces
- Allows surfaces to breathe
- Colourless and non-staining
- Conforms with BS 6477:1992

## TYPICAL USES

Can be applied above and below-ground.  
Helps prevent water penetration into a structure with porous substrates.  
Can be applied to a wide range of surfaces including brickwork, unglazed tiles, cement, wood, rough cast, and cast concrete.

# TECHNICAL DATASHEET

## SUBSTRATE PREPARATION

1. Before the application of the water repellent is carried out, any dirt and pollutants as well as efflorescence, algae and moss must be removed by a suitable cleaning procedure. Cleaning opens the pores and capillaries of the substrate, preparing it to absorb the Render Sealer.
  2. Dependent on the substrate type and degree of soiling, we recommend the use of a biocidal surface cleaner, such as Green Clear or Green Clear Pro.
  3. **Timber substrates MUST first undergo a thorough cleaning with Green Clear or Pro, as dormant fungi and other contaminants are microscopic and may still be present even when not visible. After applying Green Clear, allow 4-5 days of curing time before applying the Render Sealer.**
  4. When cleaning, ensure you do not damage the masonry or mortar joints.
  5. Chase out any defective mortar joints and cracks, then repair with a suitable re-pointing mortar.
  6. Close expansion and connection joints with an elastic, joint-sealing compound. Render Sealer will not prevent the ingress of water through cracks or defective joints.
  7. If damaging salts are present, a quantitative salt analysis is essential. High salt concentrations may need further treatment prior to an application of the Render SEALER. Protect and cover all surfaces liable to be splashed during treatment, especially glass window panes, UPVC window frames and decorative coatings.
- The Render SEALER should be applied to a small test area of the substrate prior to full application. Only carry out the full application once you are happy with the test area. Ensure the substrate is touch dry before commencing application.
- Some dampness of the substrate is not problematic, and will not affect the application, but saturated walls should be allowed to dry.
- Render SEALER should be applied before severe weather conditions set in, such as continuous rain or frost.

## APPLICATION

Tools & equipment must be clean and dry prior to use but can be kept wrapped in plastic for short breaks during application.

Render SEALER is applied to the substrate, undiluted, in a two working operations.

Using a brush, roller or low-pressure spray, liberally apply the first coat of Render SEALER.

For highly porous substrates, such as untreated stone or Render, the second coat can be applied shortly after. For less porous substrates, allow 2 hours of drying time before applying the second coat.

**In exceptional circumstances, a third coat may be required.**

## CONDITIONS & LIMITATIONS

Where substrates are heavily contaminated with salts, there is an increased risk of spalling after treatment of water repellent. Under these circumstances, an application of Render SEALER is not recommended.

Render SEALER is **NOT** a dust-proofing sealer or a damp-proof membrane.

Render SEALER is a clear and colourless solution and will not normally alter the appearance of treated surfaces. In some circumstances, very slight darkening may occur. Where appearance is critical, a small test area should be applied. The treated masonry will not prevent penetration of water pressures greater than approx. 1.4 Kg/cm<sup>2</sup> (20 lbs per square inch) Never apply to surfaces where frost is present.

**If doubt exists, contact the Smartseal Technical Department.**

## CURING & VENTILATION

Approximately 3 - 4 hours drying time must be allowed.

## CLEANING EQUIPMENT

All tools should be cleaned thoroughly after use with water and/ or white spirit.

## FINISHING

Overpainting with masonry paints may be performed after approximately 1 week's drying time, although this may be longer depending on climatic conditions. Any overspray should be removed using a cleaner.

# Render SEALER



## PACK SIZE AND COVERAGE

Pack Size	Coverage
5 Litre	Up to 25 m <sup>2</sup> *
25 Litre	Up to 125 m <sup>2</sup> *

\*This is dependent on substrate porosity and based on a 2 coat application. A true calculation of required amount can be determined by conducting a sufficiently large trial area (1 - 2m<sup>2</sup>).

## STORAGE & SHELF LIFE

Store off the ground and in dry, frost-free conditions. Shelf life is 12 months when unopened, undamaged and stored correctly.

## HEALTH AND SAFETY

For further information and advice, please contact the Smartseal Technical Department and consult the safety data sheet, which is available upon request or can be downloaded from our website.

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