

# Silguard : Stabilising Water Repellent

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Silguard is a powerful, highly breathable treatment designed for lime and other mineral backgrounds. Silguard reduces water penetration and surface dusting, making it the ideal alternative to acrylic sealers for a wide range of lime plasters, renders, floors and related materials.



## Description

Silguard contains waterglass and siloxane to harden slightly dusty surfaces and make them water repellent. It can be used to protect unpainted mineral plasters, such as Lime Green Solo, to give enhanced water repellency to external render or limewash and to protect breathable floors or bare bricks walls. Other porous mineral surfaces such as cement or stone are also suitable, after trials to check compatibility. Silguard is highly breathable and will not trap moisture vapour.

Unsuitable backgrounds include dolomitic limestone, gypsum or related materials, walls or floors with salt contamination, retaining walls or walls with a hydrostatic head of water.

## Colour

Clear and matt; minimal change in appearance for most surfaces. Test before full application.

## Packaging

5 litre and 10 litre UN cans

## Storage

Store between 5°C and 25°C, protect from frost and direct sunlight. Silguard is naturally alkaline and biocide free. Shelf life 12 months.

## Coverage

From 0.25 to 0.75 litres per m<sup>2</sup> on typical backgrounds. Coverage will vary with surface roughness and porosity.

## Performance

Sd Value 0.03 m EN ISO 7783-2

Capillary water absorption example:

Limestone block before treatment 1.78 w<sub>24</sub> [kg/m<sup>2</sup>√24h]

Limestone block after treatment 0.11 w<sub>24</sub> [kg/m<sup>2</sup>√24h]

### Preparation

Backgrounds should be sound and free from organic growth, dirt and oils. Lightly dust surfaces are acceptable, but for heavily dusting surfaces repairs should be made first. Do not apply to backgrounds with salt or detergent contamination.

When used as an external water repellent then building defects should be fixed first (e.g. defective pointing or gutters, leaks should be resolved). Do not use Silguard as an alternative to maintenance or good detailing. Backgrounds must be mineral, porous and dry. Wet or waterproofed backgrounds will lead to the Silguard running off before it can harden. New renders and plasters should be left to dry and carbonate before treatment. Time spans will depend on weather conditions, but generally an absolute minimum of 4 weeks.

Carefully mask off all glass, frames and other surfaces not to be treated. Silguard will etch and react with glass and may stain other materials. Always test a small area first to check compatibility. Do not attempt to treat wet or damp masonry; if the solution turns a milky colour then the solution has not attached due to the damp background.

### Application

Stir before use. Apply 2 coats, wet on wet, within 10-20 minutes maximum between each coat, using a brush or sprayer. Work with a wet edge and avoid drips, runs and spills, using enough material to thoroughly soak into the surface. Apply in temperatures between 5°C and 25°C, with a forecast of dry and frost-free weather.

### Aftercare

Water repellency will develop after 24 hours; protect from water and staining during this period.

### Cleaning & Disposal

Clean with tap water. Dispose of spare material in accordance with local regulations using a paint disposal facility; dispose of tin in regulated landfill. Silguard does not contain solvents. Do not tip in sewers or watercourses.

### Safety

Wear goggles, gloves and appropriate PPE. See MSDS for detailed information.

### Disclaimer

Information is based on our latest knowledge and testing under controlled conditions. Variations on site due to different materials, building methods and designs, weather etc. may affect the outcome.