

Silguard : Stabilising Water Repellent

29/5/25

Silguard is a breathable water repellent designed for lime plaster, render and limewash. Silguard reduces the penetration of liquids into the surface of the material, aiding stain repellency and reducing surface dustiness.



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 and to give enhanced water repellency to external render or limewash. Silguard is highly vapour permeable and will not trap moisture vapour.

Unsuitable backgrounds include bare masonry, gypsum or related materials, walls with salt contamination, retaining walls, walls with a hydrostatic head of water or cracked render and plaster. Silguard should not be used as a substitute for proper maintenance or in place of render or repointing to reduce rain penetration into walls.

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 m² 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:

Sample block before treatment 1.78 w₂₄ [kg/m²√24h]

Sample block after treatment 0.11 w₂₄ [kg/m²√24h]

Product Data

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 dry before application. Wet or waterproofed backgrounds will lead to the Silguard running off before it can harden and may leave streaking. 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.