

Glassguard for roofs

Signo Glassguard™ is the strongest and most durable glass improvement system available for glass roofs and structures. Once applied, a protective layer less than 100-nm thick (80,000 times thinner than a human hair) bonds with the substrate to leave a smooth, anti-stain, non-discolouring surface layer.

The coating is crystal clear, UV stable, chemically inert and extremely durable, having both hydrophobic and oleophobic capabilities. It provides an easy clean, low maintenance performance, reducing the need for cleaning by up to 70%, and is unaffected by extremes of temperatures from -20°C to +450°C.

Ensure your clients have clarity of vision by delivering this high level of performance:

- Permanent bond that will not peel or flake, preserving the surface quality
- Does not reduce light transmission or optical values
- Not reliant on rainfall or UV to activate
- Leaves no tints or mirror effects on the glass
- Leaves no rainbow effect as rain is drying
- Silicone friendly
- Resists solvents, and not affected by silicone removers
- High abrasion resistance against organic and inorganic contaminants
- Resists high pressure cleaners and steam cleaners
- Resists alkali leach from concrete
- Resists salt water corrosion.

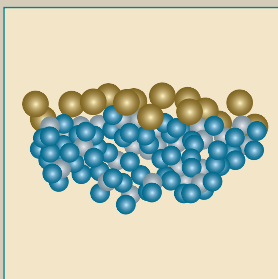
BENEFITS

Does your easy-clean coating offer all these benefits?

- Can be applied to all glass types
- Instant bonding and handling reduces lead times
- Non-slippery surface for handling in transit and on site
- Environmentally friendly, contains no irritants or HCFCs
- Reduces cleaning by up to 70%
- No special cleaners required
- 10 year warranty available.

APPLICATIONS

- Residential, conservatory and commercial façade glazing
- Reflective and pirolitic glass
- Interior and furniture glass



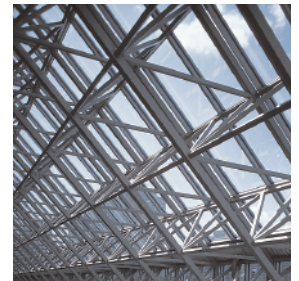
As the silicon dioxide molecules (blue/grey) in Signo Glassguard bond seamlessly with those in the glass, the anti-bonding molecules (brown) form a highly protective surface layer, repelling water and contaminants.

STRUCTURE

Ethanol-based Signo Glassguard is made up of silicon dioxide molecules whose surface energy is modified by anti-bonding molecules. On application to the glass, silicon dioxide molecules from the coating and the glass surface start to bond together, releasing the anti-bonding molecules. These molecules migrate to the surface creating an ultra-smooth, protective outer layer, and changing the status of the glass from high to low energy. This low-energy status is fundamental to the repellent qualities offered by treated glass.

TREATMENT METHODS

Signo Glassguard can be applied on new surfaces during manufacture or installation, or to restore existing surfaces to their original quality.



CARE INSTRUCTIONS

Periodic cleaning of the glass surface will be required according to conditions, and high-pressure and steam cleaners may be used.

- Use any suitable household glass cleaning product
- Whilst it is possible to use other mild detergents/shampoos (pH7), aggressive detergents can cause temporary damage to the surface, and should not be used. (Should this occur by accident, glass surface can be repaired by using "Signo After-Care" product)
- Avoid cleaning agents containing tensides
- Do not use abrasive scrubbing equipment for cleaning
- Residual marks are most likely to be caused by lime scale in tap water as the result of spraying the roof or window using a hose, not by rainwater. Wash the roof to remove the marks, then wipe away excess water with a suitable rubber blade

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SURFACE PROTECTION TECHNOLOGY

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