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# Glass Plus

**nanoShell Performance Coatings**  
Unit 3 Mary Seacole Road  
The Millfields  
Plymouth  
England  
PL1 3JY  
Tel: +44 (0) 1752 227500  
Fax: +44 (0) 1752 669118

## nanoShell Glass Plus

nanoShell Glass Plus is a high quality anti-stick, hydrophobic nano coating. It will create a high performance long lasting, easy to clean protective coating on all forms of glass surfaces including; glazing, glass cladding, porcelain, glazed ceramics. The product requires no polishing or buffing, simply wash off with clean water to produce a hard wearing, reduced stick, easy to clean, hydrophobic surface coating.

### Product Description

- Clear, colourless liquid
- Reduced stick for easy clean
- Contains alcohol for long term protection
- Frost resistant
- Can be applied from -25 °C to +80 °C

### Intended Use

- Reduced stick, water-repellent, hydrophobic coating for glass and ceramics
- Improved visibility through vehicle windscreens in foul weather
- Greenhouses, atriums, canopies, conservatories
- Sanitary ware and Bathrooms
- Glass shower screens
- Glazed ceramic floor or wall tiles
- Ceramic bathtubs, showers, sinks

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# Glass Plus

## Features

- Is especially suited as a water and dirt-repellent protective coating of glass & glazed ceramic substrates in outdoor and indoor areas
- Generates an invisible surface protection
- Lasts for up to 7 years
- Protects from bird fouling and other heavy soiling sticking to the glass surface
- Creates a hydrophobic surface
- Creates a "self-cleaning" effect with rainwater
- Is resistant to seawater and salty air
- Can be applied in sunlight
- Treated surfaces require low maintenance and only water to clean, reducing the costs and time for cleaning and care
- Is supplied ready to use and easy to apply
- Resists salts and alkalis
- Maintains a higher level of hygiene due to less bacteria pollution

## Application

Before application it is important to make sure the surface is clean and free from oil and grease. For best results use Isopropyl Alcohol to clean over the surface of each panel using a small circular motion and allow to evaporate. The Isopropyl alcohol has a very good cleaning effect and does not leave any residues on the glass surface.

All cleaning detergents should be thoroughly rinsed away and the surface manually or naturally left to dry. Use protective gloves and goggles in a ventilated area. See Safety Data Sheet for full instructions.

**nanoShell Glass** is used undiluted. The amount to be applied (20-25 ml/m<sup>2</sup>) depends on the quality of the glass and should be tested in advance.

For best results **nanoShell Glass** should be applied by wetting the surface with a soft cotton cloth, sponge etc which has been soaked with the solution. Leave the product on for a few minutes. Then wash off with clean freshwater and dry.

During application the outside temperature and the temperature of the substrate should be within the range of -25 °C to +80 °C. NanoShell Glass should not come into contact with water before or during application and should not be applied if it is raining or there is a risk of rain during application.

Once applied, the hydrophobic properties are effective immediately and will improve over a couple of minutes as the application cures.

Ensure all polishing aids (sponge, pads) are clean and dry before use. The formed film is completely invisible and will not lead to any optical impairment on the substrate.

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# Glass Plus

## Product Safety and Handling

Before considering the use of any chemical read its Material Safety Data Sheet thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Material Safety Data Sheet is available upon request from your **nanoShell** representative or by going online at [www.nanoshell.co.uk](http://www.nanoshell.co.uk)

## Packaging and Storage

**nanoShell Glass** is supplied in 250 ml, 500 ml, 1l, 5l, 10l and 20l bottles/container.

**nanoShell Glass** should not come into contact with moisture and should therefore be kept in its airtight container prior to use. Do not store in direct sunlight or expose to additional heat sources.

Material should be stored at temperatures between -10 °C and +40 °C.

**nanoShell Glass** has a shelf life of over 100 years when stored in sealed containers.

## Maintenance of Coatings

The maintenance intervals will vary depending on the degree of exposure, design of the component, local pollution factors and the original application.

Cleaning of the coating surface should be carried out using only water. Use of strong detergents and abrasive cleaning processes will break down the surface protection and greatly reduce the performance of the coating.

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