

## Nanotechnology glass treatment

### DESCRIPTION

**NG 1010** is a special nanotechnology product with a long-term hydrophobic effect on glass surfaces. This is not a sealer that forms a film but rather is a modification of the surface on a molecular level to provide an easy to clean surface effect.

The hydrophobic product works by repelling water- and prevents adhesion of foreign matter on the surface. **(Easy to Clean/self-cleaning effect)**. A ultra-thin and invisible coating appears to the glass surface. As a result, dirt particles cannot penetrate the matrix of the surface.

Water runs off easily from the treated surface and all dirt particles are washed off by rain or when rinsed with water. Alternatively, a hose can be used to clean the glass when there is little or no rainfall.

### RECOMMENDED FOR GLASS PROTECTION

Microscopically regarded glass is not completely smooth, so water and dirt on the surface can build up easily. Nanovations Glass treatment allows the dirt in combination with water simply to wash off and provides a clean surface.

**NG 1010** protects the glass surfaces against permanent stubborn stains from calcium and salt. The coating is long-lasting. **NG 1010** is UV and change temperature steady. It cannot be removed by water, cleaning agent or with high pressure equipment. Surfaces treated with **NG 1010** are very simple to maintain.

**NG 1010** is recommended for:

- Windows and sky lights
- Wind screens , automotive and marine
- Glass facades
- shower screens
- Pool fences
- Balustrades
- Solar collectors

### FEATURES & BENEFITS

- Economical and long lasting
- Excellent protection for new and old surfaces.
- Water and dirt repellent
- Increasing effect with periodical application
- Improves driving safety in rain
- Better night vision
- Excellent abrasion resistance
- Easy to clean/self cleaning effect

### SPECIFICATIONS

Supply form	Liquid
Colour	clear
Density	Approx 0.8
Solvents	< Alcohol; denatured
Flashpoint	21°C
Storage temperature	Not below 4°C /39°F
Application temperature	4 to 35 °C / 39 to 86°F

### SURFACE PREPARATION

The substrate must be completely dry before the application of the NG 1010.

Proper surface preparation insures maximum performance and durability. Surfaces must be dry and free from dirt, grit, dust, grease etc. Use CL 40 cleaner or the CL 50 surface preparation. If you have contaminations that require additional cleaning processes , the CL 50 should be applied as a last step.

Do not touch the cleaned glass with bare hands after the cleaning.

### APPLICATION

It is most important that there is no water on the surface or on window frames and shower frames. Wipe this areas dry.

Ensure the surface is free of any previous residue of the cleaner.

DO NOT use the same cloth as used for cleaning , for the coating application. Use a dry soft and clean cotton towel, micro fibre cloth or

The application takes place in a processing step, whereby the coating is applied by a spray and wipe method.. Apply a small amount and polish in the wet treatment with a circular overlapping polishing motion, treating section by section. Spray the next area and repeat the process. Ensure the whole surface gets treated.

Alternatively, the treatment can be sprayed onto the towel or a cloth and polished into the glass in the same manner. Treat only small sections at a time and ensure the whole surface is treated evenly. Check the treated area for any streaks, residue or product splashes and wipe them off. The glass should be crystal clear when finished. Only a very small amount of treatment is required. 2.5 - 5 ml will treat a square metre of glass.

Visible residue during the application is a sign of too much product has been used. In that case, moist a cloth with the product and remove excess material until the glass is clear.

# NG 1010 glass treatment



## CURING

A actual curing time is not required. NG 1010 is water-resistant 30-minutes after application, reaching its optimal repellent effect within 12-24 hours.

The curing is a self assembling process and not a drying process.

## CONSUMPTION

Consumption is between 2.5 ml and 5 ml a square metre depending on the conditions of the substrates and the age of the glass

200- 400 square meter per litre (1800– 3600 square foot)

Consumption rates are guidelines only .

## CLEANING

Tools should be cleaned with clean water after use.

## PACKAGING

1litre / 20 litre drums , larger containers on order .

## STORAGE

NG 1010 can be stored in the original sealed packaging for at least 24 months. Storage conditions should be dry and cool.

Storage and handling and additional information, refer to the Material Safety Data Sheet.

## PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

**NG 1010** contains flammable denatured alcohol.

Provide adequate ventilation if applying in a confined area.

Keep away from sources of ignition and flames.

Adequate protective personal equipment should be used.

Please read the Material Safety Data Sheet.

The information, and, in particular, the recommendations relating to the application and end-use of the products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Technical information and services are freely available from the Web site [www.nanovations.com.au](http://www.nanovations.com.au)

Sydney Office:

Nanovations Pty Ltd

Ph. +61 2 9975 5602

Email [info@nanovations.com.au](mailto:info@nanovations.com.au)

Web site [www.nanovations.com.au](http://www.nanovations.com.au)