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PROTECT

PHOTO

NANO-COATING

1 CLEANER

DESCRIPTION

It is the first glass cleaner that uses colloidal, sub- micron abrasive particles to remove surface contaminations, from substrates like glass and sanitary ceramic. CL 50 is using a technology from the semiconductor manufacturing to provide an extremely deep clean down to the micro structured surface details of a substrates. With the same easy application, it activates the bonding abilities of the glass substrates to the Nano-coatings and significantly increases the number of molecular bonding points. The thorough clean deep clean, makes it the recommended surface preparation for Nanotechnology treatments. It removes slight mineral deposits and silicone and wax from glass surfaces. The particles have shown a high removal rate of mineral deposits. The low level of chemicals and the use of mostly plant extracts, give it an outstanding sustainable rating. More than 99 % of the chemicals used, are from renewable sources and bio-based materials. The abrasive particles itself are widely used in many food additives, cosmetics and pharmaceutical products.

RECCOMENDED SURFACES

For the surface preparation, cleaning and activation of glass and ceramic prior Nano-scale glass coatings. Note: on coated glass test prior use.



PRODUCT FEATURES

- Water based, environmentally friendly
- Excellent cleaning solution without harsh chemicals

TECHNICAL SPECIFICATIONS

SUPPLY FORM:	liquid
COLOUR:	bluish
DENSITY:	approx. 1.0
SOLVENTS:	water
FLASHPOINT:	N/A
STORAGE:	not below 4°C
APPLICATION:	between 4 and 35°C

SURFACE PREPARATION

Surfaces must be dry and free from dirt, dust, grease, contaminants, oil or coatings. Standard surface preparation can be used. A proper surface preparation guarantees the full performance of the product.

DIRECTIONS FOR USE

The Cleaner is a ready to use product. First, remove all large dirt and grime and loose particles that could cause scratches. Use a spray and wipe application, or slightly wet a cleaning cloth. Thoroughly clean the surface using a non-abrasive cleaning towel or professional cleaning tool. On small areas, strong paper towels can be used. Clean the surface with circular motions. Some force should be used to ensure the surface becomes very clean. Polish off the product. Remove all cleaning residue until the glass is crystal clear and streak free. Do not apply on very hot surfaces. Do not apply or mix together with other cleaning agents.

CONSUMPTION / COVERAGE

Consumption approximate 5-15 ml per square meter. Coverage rates are a guideline only and depend on the application conditions and age of the substrate.

TOOLS CLEAN UP

Clean tools with water.

STORAGE / SHELF LIFE

Keep in a cool dry place. Can be stored in the original sealed packaging for at least 12 months. Storage conditions should be in a dry and cool area.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES. AQUASHIELD CLEANER is not classified as dangerous goods.

Adequate protective personal equipment should be used.

2 PROTECTOR

DESCRIPTION

It is a special nanotechnology product with a long-term hydrophobic effect on glass surfaces. The hydrophobic product works by repelling water and prevents adhesion of foreign matter on the surface. (Easy to Clean effect). An ultra-thin and invisible coating forms on the glass surface. As a result, dirt particles cannot penetrate the matrix of the surface. Water runs off easily from the treated surface and dirt and dust 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. Unlike traditional glass coatings that cover the surface structure of the glass, creating a thin layer of non-stick chemicals, the glass treatment follows the contours of the glass surface right down to the nanometer level. It protects the glass stubborn stains from calcium and salt. The coating is long-lasting. It is UV and change temperature steady. It cannot be removed by water, window cleaning tools, normal window cleaner, brushes or with high pressure equipment. Surfaces treated with Protect Glass are very simple to maintain.

RECOMMENDED SURFACES

- All glass forms
- Shower screens/Kitchen glass
- Glass facades/Sky lights
- Mirrors

PRODUCT FEATURES

- Prevents calcium/salt deposits on glass
- Prevents dirt and grime adhesion
- Long-lasting
- UV resistant/Temperature steady
- Self-Cleaning Effect

RESISTANT TO

- Water
- Humidity/Oil
- Mineral stains
- Bacteria & other microbes
- Mold & algae
- Acid and alkaline
- Abrasion
- Hydrolysis
- Extreme temperatures

TECHNICAL SPECIFICATIONS

SUPPLY FORM:	liquid
COLOUR:	clear
DENSITY:	approx.0,8
SOLVENTS:	Alcohol; denatured
FLASH POINT:	21°C
STORAGE:	between 4 and 20°C
APPLICATION:	between 4 and 35°C

SURFACE PREPARATION

Surfaces must be dry and free from dirt, grit, dust, grease etc. including from finger and handprints. A proper surface preparation guarantees the full performance of the product. Aquashield Cleaner-Surface Preparation recommended before application. DO NOT touch the surface with empty hands after preparation.

DIRECTIONS FOR USE

It is most important that there is no water on the surface or on window frames and shower frames prior the coating application. Wipe these areas dry first. 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 fiber cloth or a lint free strong paper towel. 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. 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.

CURING TIME

Aquashield PROTECT Glass is water-resistant 15 – 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 / COVERAGE

Consumption is between 2.5 ml and 5 ml/m². Depending on the condition of the substrate up to 400 Square meters per liter (1800- 3600 square foot) can be coated. Consumption rates are guidelines only.

TOOLS CLEAN UP

Clean tools with water.

STORAGE / SHELF LIFE

Keep in a cool dry place. 2 years for an unopened original container. Opened product should be used as soon as possible.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES. PROTECT GLASS 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 on this data sheet is based on the current status of technical development as well as our experience with the product. However, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care that our product is suited for the intended purpose, surface and application conditions. Note in particular, that we accept no liability in cases where we have not explicitly stated application purposes and types of use.