

## CL-50 Glass Surface Preparation

### Glass Cleaner and Bonding Activator for Nanotechnology Glass Coatings with Colloidal, Sub-Micron Abrasives

#### DESCRIPTION

CL-50 is the first glass cleaner that uses colloidal, submicron 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, CL-50 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. CL-50 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 the CL-50 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.

#### RECOMMENDED USE

For the surface preparation, cleaning and activation of glass and ceramic prior Nano-scale glass coatings.

Note: On coated glass test prior use.

#### FEATURES & BENEFITS

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

#### SPECIFICATIONS

Supply Form	Liquid
Color	Blue
Solvents	<Water
Flashpoint	Not Flammable
Storage Temperature	Not Below 39° F
Application Temperature	39° to 95° F

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 on our website.

#### APPLICATION

CL-50 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.

#### TOOLS

Use standard window glass tools. Wipe and spray.

#### CONSUMPTION

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.

#### STORAGE

CL-50 can be stored in tightly sealed original containers for at least 24 months, if kept dry and at moderate temperatures. It is important to reseal containers tightly after use. Store in a cool, dry place and protect from heat, freezing and direct sunlight.

#### PACKAGING

CL-50 cleaner is available in pre-soaked towelettes, 12 oz, 1 gallon and 5 gallon packaging sizes.

#### PRECAUTIONS

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

CL-50 is not classified as dangerous goods.

Adequate protective personal equipment should be used.