



SilaClear

Hydrophobic Surface Treatment Solution

Semi-permanent surface modifier for Oil-, Water-, and Dirt-Repellent Treatment of Smooth Inorganic Surfaces

- Chemically modifies the substrate to hydrophobic surface functionality
- Easy-to-Clean
- Repellent qualities, minimized maintenance, Easy-to-Clean
- Optically Clear
- Effective De-icing
- Easy application

Product Description

SilaClear is a one-component user-friendly, surface treatment system for smooth surfaces such as glass and glazed ceramic. It chemically modifies the surface, providing hydrophobic surface properties. The high level of water repellency is very effective on automotive or marine windshields. The repellent properties are also very effective in colder climates as the treatment allows easier de-icing. The new surface functionality allows easy cleaning without aggressive cleaning agents. A wet cloth is generally sufficient.

Product Information

Color	Clear liquid
Viscosity	2.5 mPa.s (20°C)
Components	1
Density	0.79 g/cm ³ (20°C)
Flash Point	12.5°C (DIN 51755)
Unit Size	60gr bottle 20kg jug

Application / Drying / Overcoat Information

Method of Application	Spray, wipe, polish
Surface prep	Sometimes recommended
Application Temp	10-30°C (avoid direct sunlight)
Theoretical coverage	30-50ml/m ²
Dry Time	Approx. 30 minutes
Thinner	DO NOT THIN



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Surface Preparation

Cleaning the surface in order to permit sufficient chemical bonding of SilaClear to the substrate, the surfaces have to be carefully cleaned before the application. The long-term stability and abrasion resistance of the treatment depends on how well SilaClear is chemically bonded.

The surfaces to be treated can be cleaned with a commercial glass cleaner. After that, they should be polished until the surface is completely dry. For an optimum pre-treatment, especially for new automotive glass, we recommend an abrasive cleaning with 30% cerium oxide slurry or equivalent. The polishing slurry should be thoroughly cleaned off prior to SilaClear application.

Application

Direct exposure to sunlight during application should be avoided.

A certain amount of SilaClear is applied as a thick liquid film and should be polished quickly and uniformly with paper towel for at least 30-60 seconds. In case the solvent carrier evaporates before it has been uniformly polished in, more product needs to be applied. Do Not let the film dry sporadically. Before the liquid film dries, excess SilaClear should be polished off with a clean paper cloth. Residues of dry product and gray streaks can be polished off completely using a clean piece of paper towel. Persisting residues can be polished off completely using a small amount of SilaClear and a paper cloth. After application the treatment should be air dried for about 30 minutes.

A hydrophobic effect can generally be seen after 10-15 minutes and is further enhanced during the full 30 minutes.

Renewing already SilaClear treated glass surfaces

The SilaClear surface treatment is long lasting and semi-permanent. Once the effect has been worn off, the surface can be re-coated. For a recoating, the cleaning with cerium oxide and the application of SilaClear are done in the same way as the first treatment. If the glass was treated with another type of coating before, repeated treatment with an abrasive cleaner is vital.

Avoid

Do not use microfiber or cotton cloths when applying SilaClear.

Shelf life

Unopened original containers allow at least 12 months shelf life from delivery.

Transportation, Storage and Safety Information

Packaging and storage

- Keep containers tightly closed in a cool, dark and well-ventilated place.
- Keep tightly sealed in original packing.
- Flammable liquids – handle with care. UN 1219.

Safety and handling

Before using, please read the Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

Limited warranty information – Please read carefully

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