Ceracoat Glass Care „self-cleaning“

Product Description:

CERACOAT glass care self-cleaning is an alcohol-based coating, that protects glass and plastic surfaces in outdoor applications against fogging (improvement in light output and prevent uncontrolled dripping of condensate). The coating produces a few nanometers thin hydrophilic film on the surfaces. The hydrophilicity of the surface is generated by a photocatalytic process in the presence of natural sunlight. The surface tension against condensation is increased above the air / water value, resulting in a complete running of the condensate (spreading). Result: self-cleaning effect.

Dilution: No
Needed quantity: about 10-25 ml per m².
Hardening / Drying: At least about 1 hour for drying and about 24 hours to harden
Working temperature: + 5 ° C to + 25 ° C - to protect from direct sunlight while applying
Shelf life in original container is 2 years

Storage temperature + 5° C to ° 25° C

Areas of use:
Generally at outdoor areas that are exposed to the weather. Rain (irrigation) is essential to achieve the self-cleaning effect. Strong mechanical influences, grease and oil can harm the effect, but there are still good easy to Clean and anti-adhesion properties obtained.
Windows, doors and gates, glass, conservatories, plexiglass roof, pergola, solar systems.

Application:
Shake well before use. The wearing of gloves is recommended. **CERACOAT glass care self-cleaning** dehumidifies the skin. The application should be reviewed on an inconspicuous spot or sample surface. Do not apply at temperatures below + 5 ° C.
Provide good ventilation during processing. Be far from sources of ignition. In case of skin contact thorough washing with soap and water is required.

Preparation:
The surface is carefully freed from dirt, oil and grease contamination. There are recommended organic cleaners (eg Ceracoat cleaner) and alkaline or acidic surfactant cleaners. Then rinse with plenty of water to remove surfactant residues. The cleaned surfaces must be clean, dry and free of grease before coating.

Coating:
The coating is applied by rubbing or polishing with a cloth moistened with **CERACOAT glass care self-cleaning** (cotton cloth or viscose is the best). The material is used sparingly, and coated with circular movements on the clean surface. You need about 10-25 ml per m².

IMPORTANT: Please let the coated layer cure for at least 30 minutes. At higher humidity expected to extend the curing time (up to several hours).

Only then the treated surface is lightly polished

Proof of effect:
Verification can be tested via the spreading behavior by the application of desalinated water in the form of spray.

Drying:
The effect arises in outdoor exposure to sunlight depending on the climatic conditions after about 24 - 48 hours.
If the effect subside, it can be moved to refresh the effect as in the initial treatment.

Environmental Impact:
At temperatures of over +25 ° C coat smaller surface sections. Do not use below + 5 ° C.

Cleaning of coated surfaces:
Since dirt, bacteria and lime are washed away by the coating in combination with humidity and UV light, aggressive cleaning agents are (extremely acidic or basic, abrasive milk) not required any more.

GREAT PRODUCT
The attached Certificate has been awarded to Ceracoat Ceramic Solar Glass Care by our 501 (C-3) Non Profit R&D testing arm EnoughTechnologies.org.
After being applied to manufactures specifications our rigorous testing shows this product performs in accordance with the manufactures claims.
We noticed less solar loss due to soiling - drastically improved water repellant characteristics - resulting in overall better solar energy harvest

Sincerely,
R.C . Buldo
IEC Alternative Energy Expert