



Ceracoat Glass Care „self-cleaning“ water based

Product Description:

Ceracoat Glass Care photocatalysis 288 is a water based photocatalytic coating for glass and ceramic surfaces in outdoor applications, protecting the surfaces against pollution (Improvement in light output and avoiding uncontrolled draining of the condensate) and creating an anti-fog effect. The material can be sprayed or polished on the surface and will produce a hydrophilic film on the surfaces, just of a few nanometers thick.

The hydrophilic (water spreading) of the surface is based on a through natural sunlight and humidity initiated photocatalysis process.

Cleaning:

The surface is carefully freed from dirt, oil and grease contamination. It is recommended to use organic cleaners (eg isopropanol) and alkaline or acidic surfactant cleaners. Thereafter, rinsed to remove surfactant residues. The cleaned surface must be dry before coating.

Application:

The coating is carried out under normal temperature (+5 °C to + 25° C) and humidity conditions, rubbing or polishing with a cloth, humid with **Ceracoat Glass Care photocatalysis 288** (cotton cloth is best)

The material is sparingly distributed on the surface. Alternatively, the material can also be sprayed.

Drying:

Drying of the deposited material is carried out under normal temperature and humidity conditions within 5-10 min. At higher humidity there is an extension of the drying time. Thereafter, the treated surface is polished to remove excess material (white coating or white streaks).

The hydrophilic effect is achieved depending on the climatic conditions after 2-3 days and can then be checked by spreading behavior of desalinated water in the form of spray.

Additional informations:

Can be stocked in original drums for 2 months (!) and at around + 5° C to + 25° C

The coating has to be done, as described, in 3 parts:

1. Cleaning and preparation of the surface
2. Applying **Ceracoat Glass Care photocatalysis 288**
3. Drying and Hardening

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

