



« The new generation of coatings Ceramic »

Presentation, datasheet and operating instructions

Product Description: NanoProtection CERAMIC + is a nanotechnology-based product designed to give automotive bodies anti-adherent properties that prevent dirt from attaching to treated surfaces, while increasing the hardness of the substrate. The hydrophobic and oleophobic properties of the coating reduce the adhesion of impurities and water droplets, greatly facilitating the cleaning of the treated surface: This is the "easy to clean" effect.

Until now, even advanced technologies in ceramic treatment were not able to combine a high hydrophobia with a significant hardness on the synthetic or metallic surfaces.

The inorganic groups of our coating provide perfect adhesion to the substrate with a hardness of 9h, while the organic groups generate very pronounced anti-adhesive (hydrophobia) effects.

Benefits:

Unique and innovative properties

- Ceramic/Hybrid base Substances
- Composition: Silicon, hydrogen and nitrogen
- Hardness of 9h (harder than car paint)
- "Easy to clean" permanent effect
- Exceptional resistance to weather, abrasion and chemical products
- Food safety and chemical inertia
- Transparent, practically invisible. The deepening of colors is possible when applying several layers.

Examples of use and product characteristics:

SURfaces	Effect
Car Paints	-Water repellent and anti-fouling effect. -Improvement of the properties of the painting. -Lifetime/longevity of 3-4 years. -Protection against bird droppings. -protection against scratches caused by washing. -Protection against loss of gloss.
Marble/Natural Stone	-Resistance to acid. -Anti-fouling. -Protection against stains. -Food safety.
Metal	-Anti-Graffiti Protection -Water repellent and anti-fouling effect. -Anti-corrosion effect
Plastic	-Anti-Graffiti Protection (signpost) -Anti-Fouling -Covering of trucks

Other properties:

Contact Angle of 105 °
Scratch resistance
Strong chemical adhesion
Simple Application
Permanent Protection
Weather resistant and UV



Food security
Resistant to chemical agents
Stain protection, anti-acid protection
Invisible, Transparent barrier
High temperature resistant
Anti-Corrosion Protection
Anti-Graffiti Protection
Halogen free
Storage stability up to 2 years

Use:

Application Conditions: Apply the product at temperatures between + 10 °c and + 30 °c. Sheltered from the rain. Do not treat in direct sunlight. Treat in small areas if temperatures are at 30 °c. The treatment should be applied under conditions of air humidity and normal temperatures. Contact with water and/or pollution on the surface to be treated will affect the quality of the treatment.

Surface Preparation: The surface must be free of all coarse and visible pollution, such as impurities, traces of limestone and dirt. **IMPORTANT:** To ensure optimum results, it is imperative that the surface is perfectly clean before applying the treatment. Clean the surface thoroughly with a no-residue cleaner. For automotive paints, we recommend butyl acetate (= our **BODY CLEANER**). Refer to the technical data sheet corresponding to this cleaning product.

The use of **NanoProtection BODY CLEANER** is necessary, as the surface must be free of any fat, silicone and wax. The use of a conventional product based on surfactants, oily detergent, will prevent the treatment from attaching properly to the surface.

Tips for use: Shake well before use. Wearing gloves is **Mandatory**. After pre-cleaning, make sure that the surface is dry before applying the treatment.

Pour a small amount of product On a clean, dry soft cloth. Spread with circular movements, then polish the surface with another clean cloth until there is no more sail (the larger one), in order to remove the product.

This step may, if necessary, be repeated up to 3 times at regular intervals of 5-10 minutes to increase the thickness of the layer and thus the efficiency of the ceramic coating. In the end, use a clean microfiber cloth if necessary to remove the latest product residues.

Do not touch the surface, or make contact with water or cleaning agents during **24 hours**. The complete hardening of the coating occurs after **5 to 7 days**.

The hydrophobic effect can be tested after 24 hours (by pouring water, it must bead), the easy to clean effect will only be tested after 7 days (do not rub the surface during this time).

CERAMIC + is water resistant after 24 hours and develops its total resistance against mechanical abrasion and chemical products after 7 days.

A reduction of drying time is possible for example with a heat source of 80 °c over a period of 30 minutes. Thanks to this procedure, the full drying time is reduced to only 3 hours.

Amount of Use: Approx. 5-10ml/m²/layer, in manual application.

Important:

Maintenance of treated surfaces: The treated surface is very easy to clean with water.

The use of maintenance products is no longer necessary.

Duration of Action: The treatment is active for 3 to 4 years under normal use and abrasion conditions, and without the use of aggressive products to clean the treated surfaces.

Conservation: Storage for 2 years in its original packaging without opening. Store in a Place between + 5 °c and + 25 °c. Store away from solar radiation. Close the opened containers well.

Hazardous Products Regulations: **CERAMIC +** is easily flammable and corrosive. For further information please also consult our Safety data sheet.