



CERAMIC +

« The New Generation of Ceramic Coatings »

Presentation, technical sheet and instructions for use

Product description: NanoProtection CERAMIC + is a nanotechnology-based product designed to give automotive bodies anti-stick 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 drops of water, greatly facilitating the cleaning of the treated surface: it is the effect "easy to clean". Until now, even state-of-the-art ceramic treatment technologies have not been able to combine high hydrophobicity with high hardness on synthetic or metallic surfaces. The inorganic groups of our coating provide a perfect adhesion to the substrate with a hardness of 9H, while the organic groups generate very pronounced anti-adhesive effects (hydrophobia).

Advantages :

Unique and innovative properties

- Ceramic / Hybrid Base Substances
- Composition: silicon, hydrogen and nitrogen
- Hardness of 9H (harder than automotive paint)
- Permanent effect "easy to clean"
- Exceptional resistance to time, abrasion and chemicals
- Food safety and chemical inertness
- Transparent, almost invisible. Color deepening is possible when applying multiple layers.

Examples of use and product characteristics:

Surface	Effect
Automotive paints	<ul style="list-style-type: none"> - Water-repellent and dirt-repellent effect. - Improved properties of the painting. - Duration of life / Longevity of 3-4 years. - Protection against bird droppings. - Protection against scratches caused by washes. -Protection against loss of gloss.
Marble / Natural Stone	<ul style="list-style-type: none"> - Resistance to acid. -Anti-fouling. - Protection against stains. - Food safety.
Metal	<ul style="list-style-type: none"> - Anti-graffiti protection - Water-repellent and dirt-repellent effect. - Effect anti-corrosion
Plastic	<ul style="list-style-type: none"> - Anti-graffiti protection (Road sign) - Anti-fouling - Truck cover cover

Other properties:

105 ° contact angle
Scratch resistance
Strong chemical adhesion
Simple application
Permanent protection



Weather resistant and UV
Food Safety
Resistant to chemical agents
Stain protection, acid protection
Invisible Barrier, Transparent
High temperature resistant
Corrosion protection
Anti-graffiti protection
Halogen free

USAGE:

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 > 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 optimal results, it is imperative that the surface be perfectly clean before applying the treatment. Clean the surface thoroughly with a residue-free cleaner. For automotive paints, we recommend butyl acetate (= our BODY CLEANER). Refer to the corresponding data sheet for this cleaning product.

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

Usage tips: Shake well before use. Gloves are mandatory. After pre-cleaning, make sure the surface is thoroughly dry before applying the treatment. Pour a small amount of product onto a soft, clean, dry cloth. Spread with circular motions, then polish the surface with another clean cloth until there is no more silt (the bigger one), in order to remove the excess product.

This step can, if necessary, be repeated up to 3 times at regular intervals of 5-10 minutes to increase the thickness of the layer and therefore the effectiveness of the ceramic coating. At the end, use a clean microfibre cloth if necessary to remove the last product residues.

Do not touch the surface, or get in contact with water or cleaning agents for 24 hours. The complete hardening of the coating takes place after 5 to 7 days.

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

CERAMIC + is water resistant after 24 hours and develops its total resistance against mechanical abrasion and chemicals after 7 days. A reduction of the drying time is possible for example with a heat source of 80 ° C over a period of 30 minutes. Thanks to this procedure, the complete drying time is reduced to only 3 hours.

Amount to 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 cleaning products is no longer necessary

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

Storage: Storage for 2 years in its original packaging without opening. Store in a place between + 5 ° C and + 25 ° C. Store away from sunlight. Close well opened containers

Hazardous Products Regulations: **Ceramic +** is easily flammable and irritating to the eyes and skin. For further information, please also consult our safety data sheet..

These application recommendations are based on our experience and extensive research, however they do not release the user to test the product before an application. NanoProtection guarantees the quality of its products but expressly disclaims any liability in case of non-compliance by

the user with the recommendations and conditions of use of the said products, in particular but not exclusively in case of lack of application, application by a unqualified personnel, use of products not compatible with NanoProtection products or poor weather conditions. We disclaim any liability for any use or application other than those specified in written form from us. For more information, Request MSDS Material Safety Data Sheet.