CHROME AND STAINLESS STEEL

Features specifications and directions

Product features: *Nanoprotection CHROME AND STAINLESS STEEL* is a product based on *nanotechnology* designed to give metallic surfaces of the chrome or stainless - steel type , anti-adherent properties that prevent dirt from attaching to the treated surfaces. This hydrophobic and oleophobic property of the coating reduces the adhesion of impurities such as fats, oil, limestone, air pollution, greatly facilitating the cleaning of the treated surface. This is the 'Easy to clean" effect. Even limestone deposits are easily removed.

Examples of use: Ideal treatment for:

1. Sanitary, kitchens...
2. Faucets
3. Work surfaces in stainless steel
4. Various chrome or stainless-steel parts...

Product characteristics:

1. Important hydrophobic (contact angle >105°).
2. Anti-adherent properties
3. Excellent effect "Easy to Clean"
4. Compatible with food contact

Other properties:

1. Invisible to the naked eye (coating thickness: 100-150nm)
2. Permanent (UV Stable, high abrasion resistance)
3. Resists temperature fluctuations
4. Simple application
5. High chemical resistance (except for high PH>13)

USE:

Application conditions: Apply the product at temperatures between +5°C and +30°C.
Do not treat in direct sunlight. Treat in small areas if temperatures are at 30°C. Do not treat below 0°C. The treatment should be applied during normal air and humidity temperatures. Ensure that the surface is dry, clean and free of dirt and pollutants prior to treatment. (Contact with water and /or pollutants on surface being treated will affect the quality of the treatment.)
Surface preparation: The surface must be free of all coarse and visible dirt, pollution such as impurities, traces of limestone.

IMPORTANT: To ensure optimal results, it is imperative that the surface is perfectly clean before applying the treatment. For persistent limestone traces, use our NanoProtection Anti-Limestone or other commercial anti-limestone product. Then use our Glass and Ceramic Cleaner. Refer to the technical data sheet corresponding to this cleaning product. The use of NanoProtection Glass and Ceramic Cleaner is necessary because the surface must be free of any grease, silicone and wax. The use of a conventional product based on active surfactants oily detergent will prevent nanoparticles from adhering properly to the surface.

Tips for use:Shake well before use. Wear gloves. After pre-cleaning, ensure that the surface is completely dry before applying the treatment. Spray a uniform layer of *Chrome & Stainless Steel* directly on the surface. Using a soft cloth or paper towel spread the product with circular movements, then coarsely polish with another clean cloth until there is no more film. At this point if some film remains, wait until the product is completely dry before attempting to remove it. Do not touch the surface, or use water or cleaning agents for about 30 minutes. (Full drying takes 24 hours.) The hydrophobic effect can be tested after 30 minutes, by pouring water, (it should bead), the "easy to clean" effect can only be tested after the full 24 hours.(Do not rub the treated surface during this period of time.) Amount of Use: Approx.5- 10ml / m² in manual application.

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Duration:

The treatment is active for for several years under normal use and abrasive conditions- without the use of aggressive products on the treated surfaces. *Note on chromium- A chrome surface wears out naturally because of abrasion, the longevity of the treatment will therefore depend on this natural attrition.

Important: Maintenance of the treated surfaces:

The treated surfaces are easy to clean with water. It is no longer necessary to use other maintenance products. If you wish to use a cleaning product, the only recommended product is Universal cleaner, because it is devoid of detergents or surfactants. The use of any other product will not alter the treatment (unless it has high PH) but may leave residues that will create an invisible film decreasing the hydrophobic effect. Even if the treated surface becomes dirty (limestone deposits, oil, or other dirt) the hydrophobic effect can be reduced. A simple rinsing with water and a light rubbing by hand or a cloth will bring back the original hydrophobic effect instantly.

ADVANTAGES of this product compared with other nano or (not) on the market:

Durability, permanent long-lasting: The UV stability allows the treatment to maintain all of its functionality for many years, approximately the lifetime of the support. Many competing products or other technologies are damaged by natural light.
Abrasion resistance/easy to clean effect: a permanent chemical bond between the product and the surface treated allows an excellent abrasion resistance. Many competing products are easily altered by abrasion.
Chemical stability: The product is resistant to almost all household or industrial cleaners (with the exception of concentrated detergents). Many competing products must be reapplied after cleaning the surface.

Conservation and storage:

Storage for 2 (two) 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.

Physical and chemical characteristics:

Ph: 2. Form: Liquid Smell: Alcohol Color: Colorless

Hazardous Products Regulations : NanoProtection CHROME AND STEEL is easily flammable and may irritate eyes and skin. * For further information please consult our Safety data sheet
These application recommendations are based on our experience and extensive research, but they do not release the user from testing the product before application. **NanoPro** guarantees the quality of its products but expressly disclaims all liability in the event of non-compliance by the user with the recommendations and conditions of use of the said products, in particular but not exclusively, in the event of a defect in application, application by non-qualified personnel , the use of products not compatible with the products of the company **NanoPro** or bad weather conditions. We disclaim all responsibility for any use or application other than those specified in written form on our part. For more information, see the Safety data sheet.