



## TEXTILE & LEATHER

### **Presentation, technical sheet and instructions for use**

**Product description:** NanoProtection TEXTILE & LEATHER is a product based on nanotechnology designed to protect almost all kinds of textiles against water, dirt, stains and various contaminations, while being perfectly invisible. The coating encapsulates all the fibers thanks to the nanoparticles. The product does not affect the appearance, breathability, color and texture of the material. It is extremely resistant to water for outdoor textiles. Oil stains, coffee stains or other frequent stains are a thing of the past with this revolutionary product.

### **Usage examples:**

- Clothes shoes
- Textiles of the house: tablecloth, rugs, sofas, pillows
- Leather
- Cardboard

### **Product Features :**

- Important Hydrophobia / Oleophobia (contact angle > 120 °)
  - Non-stick properties
  - Protection of the fibers against the encrustation of the dirt
  - Compatible in food contact
- Other properties:
- Invisible to the naked eye (coating thickness: 100-150nm)
  - Permanent (UV stable, huge resistance to abrasion)
  - Resistant to temperature variations
  - Simple application
  - High chemical resistance (especially to cleaning agents)

### **USAGE :**

**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 > 30 ° C. Do not treat below 0 ° 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 textile to be treated must be free from any coarse and visible pollution, such as impurities, stains or dirt.

**IMPORTANT:** To guarantee an optimal result, it is imperative that the textile is perfectly clean before applying the treatment. To do this, carry out (if possible) a machine wash simply with clear water, so as to eliminate the residues of detergents contained in the fiber (even if the textile is clean in appearance or new).

If machine washing is not possible and the surface to be treated is dirty, clean it with our NanoProtection TEXTILE CLEANER then rinse with clear water, absorbing the stain with a clean damp cloth. Let dry.

**Usage tips:** Shake well before use. Wearing gloves is recommended. After pre-cleaning, make sure the fabric is dry before applying the treatment. Spray TEXTILE & LEATHER evenly on the surface until saturation. It is very important to soak the textile with the product.

**For smooth or poorly absorbent surfaces (eg Leather), do not put too much product, wipe any excess with a cloth.**



Allow to dry before contact with hands, water or other products. Another method: by soaking and drying (do not wring).

The hydrophobic effect can be tested once the textile is completely dry.

**Amount of use:** Between 25 and 100ml / m<sup>2</sup>, depends on the absorption rate of the treated textile. Specifically, an approximate amount of 10ml / m<sup>2</sup> per mm of material thickness should be calculated.

**Duration of treatment:** The treatment is active for many years under normal conditions of use and abrasion. The treatment withstands, for example, 30 to 40 machine washes for the consumer product (more for the professional version).

#### **BENEFITS of this product compared to other nano products on the market:**

- Permanence and longevity: the UV stability allows the treatment to keep all its features for many years. Many competing products are damaged by natural light.
- Abrasion resistance / easy to clean effect: a permanent chemical bond between the product and the treated fibers provides excellent resistance to abrasion and machine washes. Many competing products do not resist these washes.
- Stability against washing agents: the product is resistant to almost all machine-cleaning agents. Many competing products must be reapplied after machine washing.

**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.

#### **PHYSICAL AND CHEMICAL CHARACTERISTICS:**

**Ph:** 3-5.

**Form:** Liquid.

**Odor:** almost odorless.

**Color:** Colorless to pale yellow.

**Hazardous Products Regulations:** TEXTILE & LEATHER is not subject to the reporting obligation according to the regulation on dangerous products. 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.