



## HYDROFUGE JOINTS

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

**Product description:** NanoProtection JOINTS is a nanotechnology-based product designed to give mineral tile joints hydrophobic and oleophobic properties that prevent water infiltration by reducing dirt adherence. The product creates a deep hydrophobic layer that will prevent infiltration-related contamination and thus prolong the life of the seal. He also fights fouling joints.

### **Usage examples:**

- Terraces, slabs
- All types of mineral-based seals

### **Product Features:**

- Significant hydrophobia (contact angle > 120 °).
- Large non-stick properties
- Excellent effect "easy to clean", especially against atmospheric pollutants

### **Other properties:**

- No solvent, no smell
- Resistant to high-pressure washing (50-60 bar)
- Permanent (UV stable, abrasion resistance identical to the substrate itself)
- Withstands high temperatures and freeze / thaw cycles
- The seal is no longer contaminated by infiltrations
- Significant reduction of mosses and mushrooms
- Extended life of the support (because less cleaning)
- The structure of the joint is protected in depth
- Prevention against meteorological elements
- Fight against clogging of the seal

### **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 preparations:** The joint must first be released from all coarse and visible dirt. **IMPORTANT:** To ensure optimal results, it is imperative that the seal be perfectly clean before applying the treatment.

**Usage tips:** Shake well before use. Wearing gloves. After pre-cleaning, make sure the seal is dry before applying the treatment. Always do a test on a small area. Apply an even coat of NanoProtection JOINTS with a brush, until saturation. Wipe off any product that may have spilled onto the tiles.

Do not touch the surface, or get in contact with water or cleaning products during drying. The complete drying takes place after 24 hours.



The hydrophobic effect can be tested before these 24h, after drying on the surface (pouring water, it must bead), the effect easy to clean can be tested after 24h (do not rub the surface during this time).

**Amount to use:** This quantity depends on the porosity of the joint. About 250ml of product for 1m<sup>2</sup> of solid seal.

**Duration of treatment:** Since the product penetrates deeply, the treatment is active for several years.

**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 functionalities for many years, approximately the lifetime of the support. Many competing products are damaged by natural light.
- Abrasion resistance / easy to clean effect: a permanent chemical bond between the product and the treated surface provides excellent resistance to abrasion. Many competing products are easily altered by abrasion.
- Chemical stability: the product is resistant to almost all household or industrial cleaners (except concentrated laundry). Many competing products must be reapplied after cleaning the surface.

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

**PHYSICAL AND CHEMICAL CHARACTERISTICS:**

**Ph:** 3-5.

**Form:** Liquid.

**Odor:** Almost odorless.

**Couleur :** Colorless to pale yellow.

**Hazardous Products Regulations:** JOINT 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.