

**PRODUCT DESCRIPTION**

Water Repellent Nano Coating for Stone (WNCS™) is an alcohol-based product and contains modified silane. This product prevents the absorption of water and moisture by using nanotechnology and penetrating deep into the rock and creating hydrophobic properties. Water repellent nano coating for stone (WNCS™) by creating a hydrophobic coating on stone facades protects them from absorbing environmental pollutants. This product can be used to hydrophobic all types of natural and artificial stone surfaces.

**PRODUCT FEATURES**

- Suitable for all types of natural and artificial stone surfaces
- Particles with a diameter of 1 to 100 nanometers.
- Hydrophobic properties
- Alcohol-based product
- Maintaining cleanliness of surfaces due to reduced contamination penetration
- Ready to use product.
- Fast setting
- Resistant to adverse environmental conditions
- Resistant to UV
- Suitable for all types of natural and artificial stone surfaces

**PRODUCT USES**

The WNCS™ can be used for hydrophobicity of various natural and artificial stone surfaces, including marble, granite, travertine.

**TECHNICAL DATA**

Chemical Base	Modified Silane
Color	Colorless
Density	0.85 gr/cm <sup>3</sup>
PH	3-4
Application Methods	Spray Brush

**HOW TO USE**

**SURFACE PREPARATION**

The surface must be cleaned of any contaminants such as grease, dust, paint, etc. before applying this product. Note that the surface must be completely dry.

**APPLICATION**

The WNCS™ is a ready to use product. The steps of applying water repellent nano coating for stone are as follows:

- This product does not need to be combined with diluents and can be used completely ready. Shake the contents of the container well before use.
- The product can be applied to the desired surface with tools such as spray, polish, brush. For example, for surfaces with low absorption, after applying the solution with spray, it can be polished on the surface in a circular motion with a clean cloth. For highly absorbent surfaces, the solution



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can be applied to the desired surface with a brush or pistol.

- This product dries quickly. Therefore, shortly after applying it, the desired surface can be used.

**LIMITATIONS**

- It is better not to apply nanomaterial to the surface when the weather conditions are unfavorable, such as high humidity or strong sunlight. Because it may not be of the desired quality.
- Ensure that the material is completely spread on the desired surface.
- Avoid contact of the product with alkali, air with high humidity, heat and flammable materials.

**STORAGE**

- Store in a dry place
- Store at a temperature of 4°C – 40°C.
- Close the lid of the product container well after each use.
- This product is flammable, so it should be kept away from heat and flammable materials.
- Keep away from humid air and alkalis.
- The shelf life of the product is a maximum of 1 year.

**HANDLING**

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling fabrics and resins to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing / gloves / goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

**FIRST AID**

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

**DISCLAIMER OF LIABILITY**

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim

# WNCS™

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or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.