

PRODUCT DESCRIPTION

The Water repellent nano coating for concrete and clay (WNCC™) contains modified alkaline silane and is soluble in water. This product prevents the absorption of water and moisture by using nanotechnology and penetrating deep into concrete and cement surfaces and creating hydrophobic properties. Water repellent nano coating for concrete and clay (WNCC™) by creating a hydrophobic coating on concrete and cement facades protects them against the appearance and structural damage caused by water absorption and moisture along with fungal and dandruff growth, weathering.

Also, the hydrophobic nano-coating increases the useful life of the building by preventing the penetration of moisture into the concrete cracks.

PRODUCT FEATURES

- Suitable for concrete and cement surfaces
- Based on nanotechnology
- Particles with a diameter of 1 to 100 nanometers.
- Hydrophobic properties
- A water-based product
- Maintaining cleanliness of surfaces due to reduced contamination penetration
- Fast setting
- Resistant to adverse environmental conditions
- Resistant to UV
- Maintain the breathability of concrete

PRODUCT USES

The Water repellent nano coating for concrete and clay (WNCC™) is suitable for all types of concrete and cement surfaces.

TECHNICAL DATA

Chemical Base	Modified Alkaline Silane
Colour	Colorless
Density	1.4 gr/cm ³
Mixing ratio with water	1:30
Effective substance content	52%
PH	13-14
Application Method	Brush Spray

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.

MIXING

WNCC™ waterproofing agent should be mixed with 30 times water. The hardness of the water used should not be higher than 300. Distilled water can also be used.

APPLICATION

- The application of water repellent nano coating for clay brick (WNCC™) can be done using a brush or a spray.



Water Repellent Nano Coating for Concrete and Cement - WNCC™

- It is recommended to apply this product in 2 to 4 layers so that the material penetrates well into the surface. Note that if the surface dries after applying the material, the material should not be applied to the surface again.
- 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 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.