# NANOSHIELD O

## NANOMOLECULAR PRODUCT FOR PROTECTION OF POROUS SURFACES AGAINST OILS

## DESCRIPTION - PROPERTIES

**NANAOSHIELD W** is a product with nanomolecular structure enhanced with special resins, which shields porous and slightly porous surfaces from oil stains, moisture, mildew, fungus and creation of salts. At the recommended dosage it does not form a film, it is transparent, it doesn't get yellowish due to sunlight and it doesn't cause aesthetic alteration to the application surface. It is characterized by excellent penetration and has the advantage of being rapidly absorbed by the substrate.

## APPLICATION FILEDS

It is applied on porous and slightly porous surfaces, indoors and outdoors, such as marbles, granites, brick, concrete, plasterboard, chipboard, plaster, tile grouts, natural stones, etc. It provides protection against oil stains, moisture, mold, fungus and salts creation.

## APPLICATION

The substrate must be dry, stable, free of dust, dirt, oil, and free from loose particles. The temperature during application must be between +5°C to +35°C. **NANOSHIELD O** is applied by spray, brush or roller uniformly until saturation. Before the product has dried, within 15 minutes, the excess material is removed with a clean, damp cloth. Where necessary (on very absorbent substrates) apply a second coat within 3 hours. The full development of the product characteristics takes place after 48 hours.

## CONSUMPTION

The consumption depends of the surface absorption and is about 50-100 ml/m$^2$.

## STORAGE - PACKAGING

The product is packed in plastic containers of 1 and 5 kg and stored for 12 months in protected areas, sealed and ventilated, at temperatures from +5°C to +35°C.

## TOOLS CLEANING

Tools should be cleaned immediately after the application with water.

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| TECHNICAL CHARACTERISTICS | UNITS | STANDARD | VALUE |
|---|---|---|---|
| Form | | | Emulsion |
| Color | | | White (slightly yellowish) |
| Density | (kg/l) | | 1±0,03 |
| pH | | | 7-7,5 |
| Depth of penetration | (mm) | (EN 14630) | Class I: <10 |
| Water absorption and resistance to alkali | (%) | (EN 13580) | Absorption rate compared to the control sample: < 7,5 |
| | | | Absorption ratio after immersion in alkali solution: <10 |
| Drying rate coeffient | (%) | (EN 13579) | Class II: >10 |

*Note: The measurements were taken in laboratory environment under a temperature of +23$^0$C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.*