

# **NANOSHIELD O**

## **NANOMOLECULAR PRODUCT FOR PROTECTION OF POROUS SURFACES AGAINST OILS**



### **DESCRIPTION - PROPERTIES**

**NANOSHIELD O** 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<sup>2</sup>.

### **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°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.*

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.