

# NANO PROOF CERAMIC DS-270



Water repelling agent for plaster, concrete, clay and stone surfaces



## ■ PROPERTIES

Waterborne nanomolar technology product that is odorless. Due to the high penetrating properties of the nanoparticles in its composition, it penetrates deeply through the pores of surfaces and vests them with hydrophobic properties, without blocking their breathability. It does not create any surface film and covers microcracks.

It does not favour the growth of fungi and mold, as well as the creation of salt stains. Provides long-lasting protection and facilitates cleaning from mud rain and air pollutants. It also protects from soot and nicotine since it does not allow for

any penetrations through the surface pores. It contributes into maintaining the aesthetic perfection and integrity of the surfaces it is applied on. It does not shine or affect the natural beauty and texture of any surfaces.

## ■ APPLICATIONS

NANO PROOF CERAMIC DS-270 is suitable for the waterproofing of mineral substrates on vertical and horizontal surfaces, both indoors and outdoors. It penetrates deeply and waterproofs porous substrates such as absorbent cotto type bricks, concrete, plaster, drywall, natural stones, clay and ceramic objects. Fully waterproofs clay roofing tiles and protects from frost-related cracks, black spots, lichen and mold. On applications of two 'wet on wet' coats, it provides complete waterproofing and protection for 12 years.

## ■ USE

### 1. Surface preparation

Surfaces must be clean, dry and free of dust, salts, oily stains and any loose materials.

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### 2. Application

Apply in one coat until saturation, using a brush, a roller or an airless spray gun. When dealing with very absorbent surfaces, apply a second coat while the first one is still wet. Touch dry in about 15 minutes. It dries in about an hour, depending on ambient conditions (temperature - humidity).

### ■ CLEANING

Clean tools immediately after use with water and if necessary with soap or detergent solution.

### ■ CONSUMPTION

1lt/8-11m<sup>2</sup>, depending on the absorbency of the surface

### ■ STORAGE

Store in cool places, protected from frost for 24 months from production date.

### ■ SAFETY DIRECTIONS

The product needs no hazard labeling under current European and National legislation. However, it is recommended to keep away from reach of children. If swallowed, seek immediate medical advice and show the container or label.

### ■ NOTES

- Mix well before use.
- The complete waterproofing of the surfaces will be achieved 24 hours after application.

### ■ PACKAGING

Carton box with 15 pcs of 750ml each one  
Carton box with 6 pcs of 3.5lt each one  
18lt container.

### Nanotechnology

A nanometer (nm) is one billionth (10<sup>-9</sup>) of a meter. Nanotechnology is the study of the control of matter at the atomic and molecular level. Generally speaking, 'Nanotechnology' is concerned with structure sizes of 100 nanometers or smaller in at least one dimension, and also involves developing materials or devices of this magnitude. And to better understand all the above with an example: a human hair has a diameter of 50.000 nanometers.

TECHNICAL SPECIFICATIONS	
■ Form - Color	Polymer dispersion product - White, becomes transparent when dry
■ Density	1.00±0.05kg/lt
■ Application temperature	From +5°C to +35°C
■ pH	7.0±1.0
■ Duration of waterproofing	3 years (exterior waterproofing) 6 years (interior waterproofing) Up to 12 years on very absorbent surfaces, on two coat applications
■ Water absorption coefficient	W ≤ 0.5kg/m <sup>2</sup> √h
■ Dilution	A ready to use product. Do not dilute.

### V.O.C. (Volatile Organic Compounds):

Limit value of maximum content of V.O.C. per EU (Directive 2004/42/CE) for this product (category A/c: 'Coatings for exterior walls of mineral substrate, type WB): 40gr/lt (2010). The ready to use product contains maximum 20gr/lt V.O.C.

### THE PRODUCT WAS TESTED IN ACCORDANCE WITH THE INTERNATIONAL STANDARDS OF CERTIFICATION:

- ISO EN 539-1: WATER PERMEABILITY TEST/
- ASTM E514: RESISTANCE TO WATER PENETRATION
- ISO EN 10545-7: RESISTANCE TO ABRASION /
- ISO EN 10545-14: RESISTANCE IN STAINING

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