

NANO PROOF CERAMIC DS-270



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



PROPERTIES

Waterborne nanomolar technology product. It impregnates deep into the surfaces due to the high penetrating properties of the nanoparticles in its composition. The process gives hydrophobic properties to the mass of the substrate, without inhibiting its 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 regular 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. It is odorless, user and environment friendly.

APPLICATIONS

NANO PROOF CERAMIC DS-270 is suitable for the waterproofing of mineral substrates on verti-

cal and horizontal surfaces, externally and internally. It penetrates deeply and waterproofs porous substrates such as absorbent cotto type bricks, concrete and plaster, as well as drywall, natural stones, clay and ceramic materials and clay roofing tiles. Such materials are fully waterproofed and protected from frost related cracks, black spots, lichen and mold. On applications of two consecutive, '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.

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).

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NOTES

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

CLEANING

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

CONSUMPTION

1lt/8-11m², depending on the absorbency of the surface

STORAGE

Store in cool places, protected from frost for at least 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.

PACKAGING

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

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 ² ·h
Dilution	The product is ready to use. It does not dilute
Odorless, friendly to human and the environment	

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

Limit value of maximum content of V.O.C. per EC (Directive 2004/42 / EC) for this product (category A/c: 'Coatings for exterior walls of mineral substrate, type WB): 40 gr/lt (2010). The ready to use product contains maximum 20 gr/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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The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.