

NANO PROOF CERAMIC DS-270

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

PROPERTIES

Waterborne nanomolar technology product. Exceptional for the waterproofing of mineral substrates on vertical and horizontal surfaces, both indoors and out.

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.

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. 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 is odorless, user and environment friendly.

APPLICATIONS

NANO PROOF CERAMIC DS-270 penetrates deeply and waterproofs porous substrates. Substrates such as absor-

bent cotto type bricks, concrete and plaster, as well as drywall and natural stones.

It also does so for 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.

The product is ready for use as is. Stir well before use but do not dilute. 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.



TECHNICAL SPECIFICATIONS

Form - Color	Polymer dispersion product - White, becomes transparent when dry
Density	1.00 ± 0.05 kg/lit
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 ≤ 0.5 kg/m ² ·h
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 A1c: 'Coatings for exterior walls of mineral substrate, type WB): 40 gr/lit (2010). The ready to use product contains maximum 20 gr/lit 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

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.

NOTES

- The complete waterproofing of the surfaces will be achieved 24 hours after application.
- After drying, the product is harmless to health and the environment.

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 (10⁻⁹) 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.

