# **NANO-SEAL**



## Surface stabilizing and waterproofing agent

## Description

Polymer emulsion, highly penetrative. The nano-molecular structure of the dispersion offers excellent penetration to the final product. Applied on porous surfaces, it protects them from moisture and salt stains, while preventing fungi-mould growth. NANO-SEAL is also used as a surface hardener on weak or dusty substrates. After drying, it is transparent and can be painted.

## Fields of application

NANO-SEAL is used to protect porous substrates, such as concrete, masonry, plaster, gypsum boards, chip boards, natural stone etc., from moisture and salt strains. NANO-SEAL can also be used to harden weak substrates, such as plasters etc. Suitable for both indoor and outdoor applications.

### **Technical data**

Form: emulsion
Color: light blue
Density: 1.00 kg/l
pH: 8.5

Cleaning of tools:

Tools are cleaned with water, immediately after use.

## Directions for use

## 1. Substrate preparation

The surface to be primed must be dry and free of dust, grease, dirt etc.

## 2. Application

NANO-SEAL is thoroughly stirred and uniformly applied on the substrate by brush, roller or spraying, until full impregnation. On very porous surfaces, a second layer might be

required. The second layer is applied, once the first layer has dried.

## Consumption

100-200 g/m<sup>2</sup>, depending on the absorptivity of the substrate.

## Packaging

NANO-SEAL is available in 1kg, 5kg and 20kg plastic containers.

## Shelf-life / Storage

Shelf-life in sealed containers is 24 months, in frost-free conditions.

### Remarks

- Temperature during application must be between +5°C to +30°C.
- The product should be completely dry before it is covered.
- After drying, NANO-SEAL is almost transparent. Therefore, if the surface is not going to be covered, NANO-SEAL should always be applied under trial, because it can change the appearance of the surface.

## **Volatile Organic Compounds (VOCs)**

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory h, type WB is 30 g/l (2010) for the ready-to-use product.

The ready-to-use product NANO-SEAL contains a maximum of 30 g/l VOC.

#### ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS MAIN OFFICES - FACTORY:

17th km Thessaloniki - Ag. Athanasios Road, P.O. BOX 1043, 570 03 Ag. Athanasios, Greece, Tel.: +30 2310 576 000, Fax: +30 2310 722 475

www.isomat.eu e-mail: info@isomat.eu

The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.

