



Rev 0
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NISITEK

Single-component insulating plaster specific for the thermal protection of durable structures



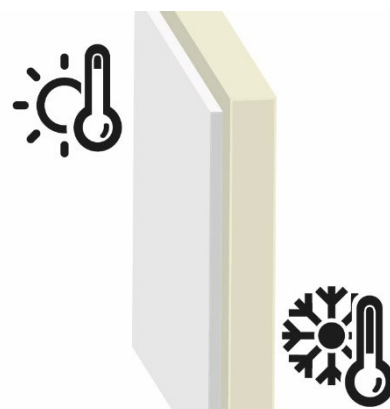
DESCRIPTION

The NISITEK product is an insulating, protective coating for concrete surfaces and brick walls and blocks, on internal and external walls, specific for thermal-acoustic insulation.

FEATURES

There are many thermal insulating materials (expanded polystyrene, polyurethane, rock wool) characterized by a Lambda thermal conductivity (λ_D) that varies between 0.035 and 0.04. NISITEK is a product born from the constant research of TEKNA CHEM laboratory technicians; it is a very light single-component plaster, based on a compound of synthetic resins and amorphous fillers of very fine grain size, whose thermal conductivity is 0.02 W/mK. The mixture is ready to use, easy to work for applications on both horizontal and vertical surfaces. It can be safely applied with a spatula.

Its peculiarity allows for continuous surfaces without joints and thermal bridges, providing an ideal solution for external insulation.



NISITEK:

- it is impermeable to water;
- it is resistant to chemical aggression;
- it is an excellent thermal insulator;
- It guarantees excellent adhesion on all concrete, masonry, ceramic and marble surfaces, including metal, as long as they are free of dust, crumbly parts, oils and greases.
- Easy to install
- no scrap
- durable over time.

FIELDS OF APPLICATION

Insulation of concrete structures, especially:

- Perimeter walls
- Industrial and civil roofing

Coating of concrete structures even subject to small deformations under load (e.g. prefabricated panels).

Its lightness, combined with its resistance, make it an indispensable product also as a fireproof product in the naval sector.

HOW TO USE

The product is ready to use.

- Check if the support is healthy, and remove the non-cohesive parts.
- Apply a primer (such as Microtek Primer) to remove traces of dust and improve Nisitek adhesion.

SHEET



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- Fix guides of the desired thickness (e.g. 3 - 4 cm) every 1.5 m.
- Shave to "0" (zero) with the American trowel, and then apply Nisitek to the desired thickness using a smooth spatula.
- Any excess product should be eliminated with a slightly moistened aluminum screed.
- After drying the product, the fibreglass mesh (150 g/m²) is applied:
 - One Hand of Grautek Fix P
 - Embedded fiber network
 - Second-hand application of Grautek Fix P
- External finish: Grautek R White
- Interior finish: plaster and application of Sanitek (white anti-condensation, anti-mould paint) in two steps.

SURRENDER

MVfresh = 570 kg/m³

Dry MV= 400 kg/m³

Consumption = 5.7 kg per cm/m²

STORAGE AND VALIDITY

NISITEK kept in its original packaging in a dry place with temperatures between 5 and 35°C, it can be kept for 12 months.

PHYSICAL PROPERTIES

State	very light pasta
Color	matt white
Density (hardened product) kg/m ³	400 ± 5%
Application temperature	+5 - +35 °C
Time of use	1 h
Curing time	4 - 5 h
Softening point	> 600 °C

APPLICATION WARNINGS

We recommend, for a correct use of NISITEK:

- clean the substrate well and moisten it with water before applying NISITEK.
- to apply it within 1 hour of opening the package;
- not to apply it at temperatures < +5°C;
- to protect it from bad weather (sun, rain and wind) for the first 24 hours after installation.

SAFETY PRECAUTIONS

Use protective gloves and goggles.

For more information, please refer to the safety data sheet.

PACKS

20 liter buckets

LEGAL

The information contained in this technical data sheet, although representing the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. Therefore, no liability is accepted for improper use of the product.