



Rev 0
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NISITEK

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



DESCRIPTION

The NISITEK product is an insulating coating, protective for concrete surfaces and brick and block walls, 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) ranging from 0.035 to 0.04. NISITEK is a product born from the constant research of TEKNA CHEM's 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 dough is ready to use, easy to work with 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 clean of dust, friable parts, oils and greases.
- Easy to install
- No waste
- Durable over time.

FIELDS OF APPLICATION

Insulation of concrete structures, in particular:

- Perimeter walls
- Industrial and civil roofing

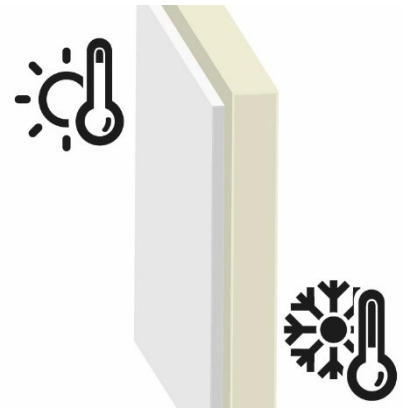
Cladding of concrete structures also subject to small deformations under load (e.g. prefabricated panels).

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

HOW TO USE

The product is ready to use.

Manual application: use a smooth spatula.



SHEET



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SURRENDER

Approximately 0.15 kg/m² per mm of thickness, depending on the substrate.

STORAGE & SHELF LIFE

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

PHYSICAL PROPERTIES

State	Very light pasta
Color	matt white
Density (hardened product) kg/m ³	380 ± 5%
Application temperature	+5 – +35 °C
Usage Time	1 h
Curing time	4 – 5 h
Softening point	> 600 °C

APPLICATION WARNINGS

For the proper use of NISITEK, we recommend:

- 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 litre buckets

LEGAL

The information contained in this data sheet, although it represents 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. We therefore decline any responsibility for improper use of the product.

