



Rev 0
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NISITEK

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



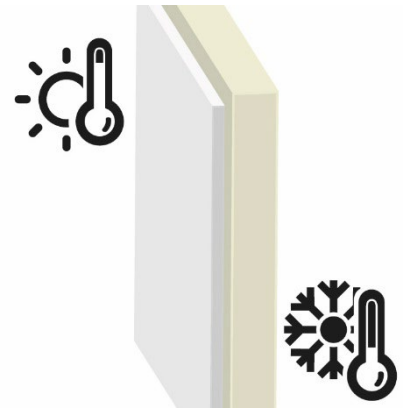
DESCRIPTION

The product NISITEK is an insulating coating, protective for concrete surfaces and blocks and brick walls, both indoor and outdoor, specific for thermal and sound insulation.

FEATURES

There are many thermal insulating materials (expanded polystyrene, polyurethane, mineral wool) characterized by a Lambda thermal conductivity (λ_D), ranging between 0.035 and 0.04. NISITEK is a product that was created thanks to the ongoing research of TEKNA CHEM's lab; it is a single-component, lightweight plaster, consisting of a synthetic resins compound and extremely fine-grained amorphous charges, whose thermal conductivity is of 0.02 W/Mk. The mixture is ready to use, easy to work, for applications on both horizontal and vertical surfaces. It can be easily applied by using a trowel or by spraying it.

Its peculiarity allows you to have seamless surfaces, without joints and thermal bridges, providing the ideal solution for external thermal insulation composites.



NISITEK:

- is waterproof;
- is resistant to chemical aggression;
- is an excellent thermal insulation;
- ensures great adhesion on all surfaces, concrete, brick, ceramics, marble and metal, as long as they are free from dust, crumbling parts, oils and greases;
- easy to place;
- no swarf;
- durable over time.

APPLICATION FIELDS

Insulation of concrete structures, especially:

- outer walls;
- industrial and residential roofing.

Coating of concrete structures, even if subjected to small deformations underload (e.g. prefabricated panels).

Its lightness together with its strength, make it an essential product, even as an anti-fire in the shipbuilding industry.

INSTRUCTIONS FOR USE

The product is ready to use.

For manual application: use a smooth spatula.

For mechanical application: use a spray plastering machine.

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

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YIELD

Approximately 0.15 kg/m² per mm thickness, according to the substrate.

STORAGE AND VALIDITY

If stored in its original package, in a dry place, at temperatures between 5 and 35°C, NISITEK can be preserved for 12 months.

PHYSICAL PROPERTIES

State	lightweight paste
Colour	matte white
Density (hardened product) kg/m ³	380 ± 5%
Application temperature	+5 - +35 °c
Workability time	1 h
Hardening time	4-5 h
Softening point	> 600 °C

USE SUGGESTIONS

For a right application of NISITEK, we suggest that you:

- clean and moisten the substrate with water, before NISITEK is applied;
- apply it within 1h once having opened the package;
- do not apply it at temperatures < +5°C;
- protect it from the elements (sun, rain, wind) for the first 24 hours after the placing.

SAFETY PRECAUTIONS

Use gloves and protective glasses.

For further information, see the safety data sheet.

PACKAGING

20 litres buckets

LEGAL NOTICE

The information contained in this technical data sheet, even though it represents our most advanced stage of knowledge, does not exempt the user from running accurate preliminary tests, under their own conditions of use and operation. We therefore decline any responsibility for the improper use of the product.



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