



VITEX THERM

Σύστημα Εξωτερικής Θερμομόνωσης
Thermal Insulation System

GNK 10G

Fiber reinforced mortar for insulations boards

Cement based, polymer modified adhesive for insulation boards of XPS or EPS, rockwool etc. on the outer surfaces of buildings. Excellent adhesion on the substrate and the insulation boards, flexibility and high mechanical and in temperature variations resistance. It is easy to use. It can be also used as preparation material of thermal insulation boards for the next coats of plaster, combined with fiberglass mesh to prevent cracking. Certified with the CE marking according to EN 998-1. It is part of the External Thermal Insulation Composite Systems (ETICS) VITEX THERM, which are certified with the CE marking according to the requirements of EAD 040083-00-0404.



Advantages:

- High mechanical resistance and flexibility
- Excellent & long lasting adhesion on the substrate
- High resistance to temperature changes

PRODUCT FEATURES

SPREADING RATE



- 3 – 5 Kg of dry mortar /m² depending on substrate type.

APPLICATION FIELD

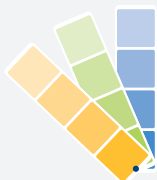
Cement based, polymer modified adhesive for insulation boards of XPS or EPS, rockwool etc. on the outer surfaces of buildings.

TECHNICAL CHARACTERISTICS

Density of wet mortar	1,7 ± 0,2 Kg / L
Grading	0-0,5mm
Compressive strength (28 days)	14,0 MPa (EN 1015-11) (Average value based on production control laboratory tests)
Flexural strength (28 days)	5,0 MPa (EN 1015-11) (Average value based on production control laboratory tests)
Bond strength with concrete	1,4 N / mm ² (EN 1015 – 12)
Water absorption	<0,15 Kg / m ² .min ^{0,5} (EN 1015 – 18)
Water vapour diffusion coef	μ=20 (EN 1015 – 19)

COLOURS

Available in grey



PACKAGING

Available in 25 Kg bags



APPLICATION

SURFACE PREPARATION



Surfaces must be clean, dry and free from dust, grease and loose materials.



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APPLICATION

STEPS OF APPLICATION

1

Using an electric low speed drill, mix well a 25kg bag with 6 liters of clean water (approximately) until you get a homogenous mass without sticky lumps.

2

Leave the mixture for 5 – 10 minutes to set and stir again for some time. The time of use of the finished mixture is 1 -3 hours, depending on the ambient temperature and the time period.

3

Apply GNK 10G, either on the entire surface of the insulation board with notched trowel, or around the board and selectively in the center with a trowel, making sure that the adhesive material covers least 40% of insulation board surface. The attachment of the insulation boards must start from the bottom of the wall upwards, crosswise and with no gaps.

TIPS

- The content of the GNK 10G bag should be protected from humidity.
- Do not add excessive amounts of water because it can reduce product's strength.

- Not recommended for use in extreme weather conditions frost or heat wave.
- Application temperature +5°C to +35°C. Tools must be cleaned immediately after use with water and if needed with soapy water or

a detergent.

- The above application guidelines are indicative, for the correct use of the product. For more technical details please contact the company's technical department.

ADDITIONAL INFORMATION

SAFETY ADVICE



Read label before use. For further instructions - precautions see Material Safety Data Sheet. Poisons Control Centre Tel.: +30 210 7793 777

STORAGE



Maximum storage time in unopened packaging and dry environment: 12 months from production date.

CE MARKING



VITEX S.A.
P.O. BOX 139 IMEROS TOPOS, ASPROPYRGOS GR 19300
GNK 10G
22
DoP No : VIT-CPR-0014.1

EN 998-1:2016
General purpose rendering/plastering mortar, type (GP/CSIV/Wc2)

Reaction to fire	A2-s1,d0
Water absorption	Wc2
Water vapour diffusion coef	$\mu=20$
Adhesion	1,4 N/mm ² (FP: A)
Thermal conductivity	$\lambda_{10,dry} = 0,17 \text{ W/mK}$ (tab. mean value; P= 50%)
Durability (against freeze / thaw in the place of use)	Evaluated as excellent, after laboratory and field tests

The above technical data, information and instructions are based on our long experience and laboratory tests and are intended only to describe the product and determine its application. However, the end user should check the suitability of the product for its intended use. Our company guarantees the quality of the product itself, and in any case bears no responsibility for any damage or damage caused if the product is not used properly and in accordance with its instructions for use. The company has the right to revise this technical data sheet without any prior notice.

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TECHNICAL SUPPORT



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