

GNK 10G

Fiber reinforced mortar for insulations boards



VITEX THERM

Σύστημα Εξωτερικής Θερμομόνωσης
Thermal Insulation System



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 System (ETICS) VITEX THERM, which is certified with the CE marking according to the requirements of ETAG-004. Certificate Number: ETA-15/0148.

- **High mechanical resistance and flexibility**
- **Excellent & long lasting adhesion on the substrate**

COLOURS

Available in grey.

PACKAGING

Available in 25 Kg bags.

SPREADING RATE

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

SURFACE PREPARATION

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

APPLICATION

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. 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.

Apply GNK10G, 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.

The content of the GNK10G 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.

TECHNICAL CHARACTERISTICS

Density	1,7 ± 0,2 Kg / L (wet mortar)
Grading	0-0,5mm
Compressive strength (28 days)	≥ 20,0 N/mm ² (EN 1015-11)
Flexural strength (28 days)	≥ 6,0 N/mm ² (EN 1015-11)
Bond strength with concrete	≥ 1,05 N/mm ² (EN 1015 – 12)
Water absorption	<0,15 Kg /m ² .min ^{0,5} (EN 1015 – 18)
Water vapour diffusion coef	μ=5/20 (EN 1015 – 19)

STORAGE

Maximum storage time in intact packaging and dry environment: 18 months after production date.

SAFETY ADVICE

Read label before use. For further instructions - precautions see Material Safety Data Sheet.

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Thermal Insulation System



VITEX – YANNIDIS BROS S.A.
P.O. BOX 139 IMEROS TOPOS ASPROPYRGOS GR 19300
14
DoP No : VIT-CPR-0014.1

EN 998-1:2010
General purpose rendering/plastering mortar (GP)

GNK 10G

Category type	GP/CSIV
Reaction to fire	Class A ₁
Water absorption	W ₂
Water vapour diffusion coef	μ=5/20
Adhesion	1,42 N/mm ² (FP: A)
Thermal conductivity	λ _{10,dry} = 0,17 W/mK (tab. mean value; P= 50%)
Durability (against freeze /thaw in the place of use)	Evaluated as excellent, after laboratory and field tests



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