

GNK 20W

Fiber reinforced white mortar for etics



VITEX THERM

Σύστημα Εξωτερικής Θερμομόνωσης
Thermal Insulation System

Fiber reinforced white cementitious plaster. In combination with fiberglass mesh, is used for the coating of insulation boards of expanded or extruded polystyrene and boards of mineral fibers (rockwool).

Strong adhesion on the substrate and the insulation materials, flexibility and high mechanical strength and in temperature variations resistance. It is easy to use It can be also used to bond the insulation boards on the outer surfaces of buildings.

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 and long lasting adhesion on the substrate**

COLOURS

Available in white.

PACKAGING

Available in 25 Kg bags.

SPREADING RATE

3 -5 Kg of dry mortar per m², depending on substrate type, when used as an insulation board's adhesive.

3 – 4,5 Kg of dry mortar per m², when used as a fiberglass mesh reinforced mortar on polystyrene or rockwool.

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. When used as an adhesive, apply the GNK20W, either across the surface of the insulation board with a notched trowel, or around the board and selectively in the center with a trowel, so that the adhesive covers at 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.

As reinforced mortar, apply the material with a notched trowel in 2 – 3mm thickness. In this layer place the fiberglass mesh and by using a smooth spatula dip in the mesh. The strips of the mesh should overlap by 10cm approx. At the end polish the surface, while simultaneously remove excess mortar.

The content of the GNK20W 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)	≥ 27,0 N/mm ² (EN 1015-11)
Flexural strength (28 days)	≥ 6,0 N/mm ² (EN 1015-11)
Bond strength with concrete	≥ 1,85 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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CE	
VITEX – YANNIDIS BROS S.A. P.O. BOX 139 IMEROS TOPOS ASPROPYRGOS GR 19300 14 DoP No : VIT-CPR-0015.1	
EN 998-1:2010 General purpose rendering/plastering mortar (GP)	
GNK 20W	
Category type	GP/CSIV
Reaction to fire	Class A ₁
Water absorption	W ₂
Water vapour diffusion coef	μ=5/20
Adhesion	2,06 N/mm ² (FP: C)
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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VITEX – YANNIDIS BROS S.A. P.O. BOX 139 IMEROS TOPOS ASPROPYRGOS GR 19300	
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