VITEXTHERM
Σύστημα Εξωτερικής Θερμομόνωσης
Thermal Insulation System

GNK 20W

Fiber reinforced white mortar for etics

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 Systems (ETICS) VITEXTHERM, 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
- Excellent workability

PRODUCT FEATURES

SPREADING RATE

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

APPLICATION FIELD

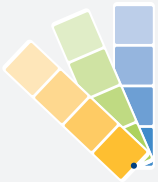
The product is used for the coating of insulation boards of expanded or extruded polystyrene and boards of mineral fibers (rockwool).

TECHNICAL CHARACTERISTICS

Density of wet mortar	1,7 ± 0,2 Kg / L
Grading	0-0,5mm
Compressive strength (28 days)	15,0 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	N/mm² (EN 1015 – 12)
Water absorption	<0,15 Kg /m².min^{0,5} (EN 1015 – 18)
Water vapour diffusion coef	μ=20 (EN 1015 – 19)

COLOURS

Available in white



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. When used as an adhesive, apply the GNK 20W, 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.

TIPS

- As reinforced mortar, apply the material with a notched trowel in 2 – 3 mm 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 10 cm approx.
- At the end polish the surface, while simultaneously remove excess mortar.

The content of the GNK 20W 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

CE

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	A_2-s_1,d_0
Water absorption	Wc2
Water vapour diffusion coef	μ=20
Adhesion	1,5 N/mm² (FP : C)
Thermal conductivity	λ10,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

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.

+30.210.5589.400
TECHNICAL SUPPORT

ISO 9001 14001 CERTIFIED 45001

EMAS