GNK-FOAM

Polyurethane Adhesive Foam

VITEXTHERM
Σύστημα Εξωτερικής Θερμομόνωσης
Thermal Insulation System

One component polyurethane foam for spray application, solvent-free and free of substances (H)CFC-, PCB- or formaldehyde. It has excellent adhesion to concrete, plaster, masonry, wood, chipboard OSB, gypsum board and metal surfaces. It is waterproof, flexible and can be plastered. Not facilitate the forming of fungi or mould. After cure, the product resists to temperatures ranging between -40°C to +90°C, it is not dissolved and it is not a nutrient for insects or rodents. It is part of the External Thermal Insulation Composite System (ETICS) VITEXTHERM, which is certified with the CE marking according to the requirements of ETAG-004. Certificate Number: ETA-15/0148.

- **Excellent adhesion and long lasting barrier to moisture**
- **Part of the External Thermal Insulation Composite System (ETICS) VITEXTHERM**
- **Easy to use and increases production rate**

COLOURS

Available in yellow.

PACKAGING

Available in 750 mL cartridges.

SPREADING RATE

5-8 m^2 polystyrene per cartridge, depending on the application diameter of the applied string, of the number of applied strings on the panel, type and surface of support material, moisture, temperature.

SURFACE PREPARATION

Surfaces must be dry, clean and free from dust, grease, oil or other contaminants.
Mount the foam cartridge onto the gun. Shake the foam (for at least 20 to 30 times) before use. Protect your eyes and wear protection gloves and gear.

APPLICATION

Apply the foam to the surface of the insulating plate, 5 cm away from the edge and inside the contour of the plate in successive stripes with 30 cm distance in between. The recommended diameter of the stripes applied by gun is 2-4 mm. Fasten the polystyrene plates in the final position before the foam begins to cure (6-10 minutes).
The polystyrene plates at the base of the wall must be supported from the lower part, to avoid their slipping off the wall until the foam is cured (5-24 hours). Fill the gaps between the polystyrene plates with low expansion foam, for effective thermal insulation.
The uncured foam can be removed with special polyurethane foam's cleaners. The cured foam can be mechanically removed.
The surface of the foam should be protected from sunlight.
Attention: The gluing of thermal insulating panels with GNK FOAM does not substitute their mechanic fastening with sockets for polystyrene (made of metal or plastic).

TECHNICAL CHARACTERISTICS

Density	18 – 25 Kg/m^3
Fire Behaviour	B3
Bond strength concrete support	0.11 - 0.14 N/mm^2
Bond strength XPS support	0.10 - 0.12 N/mm^2
Bond strength EPS support	0.10 - 0.12 N/mm^2
Tensile strength	0.10 - 0.12 N/mm^2 (DIN 53857)
Thermal conductivity	30-35 mW/m.K

STORAGE

Maximum storage time is 18 months from the production date indicated on the packaging.
To be stored and transported in a vertical position, in the original, unopened packaging at temperatures ranging between + 5°C to + 25°C.

SAFETY ADVICE

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

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Thermal Insulation System

CE
2423
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