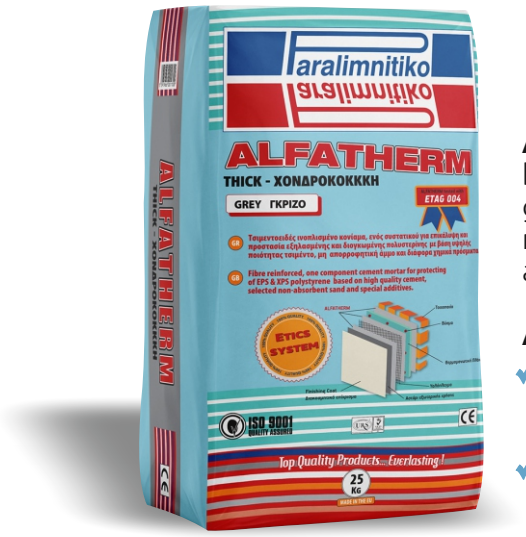

ALFATHERM
thick granulated

ALFATHERM THICK GRANULATED is a Fiber reinforced cement-based adhesive-coating based on high quality cement, specially granulated sand, fortified with resins. Suitable for the adhesion and reinforce of thermal insulation board sespecially where thicker application is needed.

Applications:

- ✓ For the adhesion of thermal insulation boards (XPS/EPS, stone wool, etc) to non-flat substrates such as concrete, bricks, stone or surfaces made of texture coating (graffiato), sprits, etc.
- ✓ As plaster on cement or gypsum boards, surfaces with sprits, or texture coating (graffiato).

DIRECTIONS FOR USE

Surface preparation: The substrate must be sound, strong and free of dust, loose parts, grease, oil, etc. Absorbent surfaces should be soaked with water or primed with the micromolar stabilizer (primer).

Mixing: 25kg **ALFATHERM THICK** is gradually added to 6-7L water. Mix with low rpm electric mixing drill until a lump free, homogeneous mass is obtained. Allow the mixture to mature for 5 minutes and mix again. During use mix periodically, without adding extra water.

Application: As adhesive on non-flat surfaces: Apply ALFATHERM Thick granulated around the edges (≈5cm wide) of the insulating board with a margin trowel and on spots (dots ≈15cm diameter) to the rest of the surface. The amount of the adhesive to be applied must be chosen in such a way as to achieve more than 40% contact area. Place the board on the wall and apply pressure on its surface, to ensure safe and uniform contact between the adhesive and the substrate. The installation requires levelling, in order to ensure the evenness of the adhered board surface. At least 24 hours later, depending on the building size and height, apply the appropriate number of plastic fasteners (anchors).
As a coating on non-flat surfaces: Apply **ALFATHERM THICK** to the desired thickness, using a flat trowel. Apply each coat, when the previous one has thoroughly dried. On complete cure, prime the surface with ALFALIQ COLOR & PLASTER PRIMER and color with acrylic paint or coat with acrylic texture coating. ALFALIQ UV THERMAL SILICONE PLUS or ALFALIQ ACRYLIC PLASTER SILICONE.

Recommendations:
Do not use **ALFATHERM THICK** on disintegrated /damaged plasters. Attention should be paid to moisture issues. The surface must not show visible signs of moisture penetration. Seal the substrate with WATER SEAL-insulating material at a height of 30-40cm above the ground level prior the application of the adhesive.

Weather Conditions: Use at temperatures between +5°C and +35°C. Too high or too low temperatures, it might cause a negative reaction to the product.

Storage: All cement base products must be stored in dry areas, in original unopened packaging on wooden pallets. Even under these conditions, after a period of time the material is influenced by the atmosphere humidity. Do not use the product if it has hardened. The storage time should not exceed 12 months.

Technical characteristics (measurement conditions 23°C & 50% R.H.)

Product identity	
Form	Cementitious mortar
Color	White / Grey
Maximum grain size	≤ 3 mm
Bulk density of dry mortar	1.47±0.1kg/lt.
Dry solid content (%)	100%
Storage	12 months if stored in original, unopened packaging, in dry and shaded places.
Toxixity/ Inflammability	NO
Application data	
Water demand	6-7L / 25 kg bag
Consistency of mix	Paste
pH of fresh mortar	>10
Pot life	3 hours / stirring every 1hr
Application temperature	+5 °C - +35 °C
Open time	20-25 min
Time for the final coat	7days - summer and 14days - winter
Consumption	6-7kg/m² for 3-4mm
Final Performances	
Adhesion Strength after 28 days, EN 1015-12	≥1.5 N/mm²
Compressive Strength after 28 days, EN 1015-11	5± 1.0 N/mm²
Flexural Strength after 28 days, EN 1015-11	10 ± 1.0 N/mm²
Water Absorption EN 1015-18	Class w2 (c<0.2 kg/m².min$^{0.5}$)
Thermal Conductivity (λ10,dry)	0.65 ± 0.05 W/m K– standard table value

Note:
The directives that are given above for our products are based on extensive research and experiments that were done by accredited European laboratories. We guarantee the constant and high quality of our products. Also, the information that is provided in this document, constitute the opinion of Producer Company, that however can be effected from others. The users of the product have the responsibility to follow correct processes of hygiene and safety. We do not have any responsibility for any damage or loss by factors that are not controlled by our company. For any other information contact with AVRAAM PITTAKIS and SONS LTD.

DECLARATION OF PERFORMANCE

in accordance with regulation (EU) No.305/2011, appendix III

No: ΑΠ135-CPR - 01/07/2013

1. Unique identification code of the product-type: 135 - ALFATHERM THICK GRANULATED

2. Type, batch or serial number or any other element allowing identification of the construction product: The Batch code is printed on package

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: General Purpose Rendering/Plastering Mortar (GP)

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11 (5):

AVRAAM PITTAKIS & SONS LTD
P.O Box: 33006, 5310 Paralimni, Cyprus,

www.paralimnitiko.com
info@paralimnitiko.com

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V : **System 4**

6. a. Harmonised Standard: CYS EN 998-1:2016

7. Declared Performance/s:

General Purpose Rendering/Plastering Mortar (GP)		
Essential characteristics	**Performance**	**Harmonised Technical Specification**
Reaction to fire	Class A1	EN 12004:2017
Release of dangerous substances	NPD	
Adhesion	CSIV	
Water Absorption	W2	
Water Vapour permeability coefficient	μ ≤15	
Dry Bulk Density	1650 ± 10 kg/m^3	
Thermal Conductivity, λ10, dry	0.65 ± 0.05 W/m K (P=50%)	
Durability (against freeze/thaw)	Evaluation based on provisions valid in the intended place of use of the mortar.	

8. The performance of the product identified above is in conformity with the declared performance/s (point 7). This declaration of performance is issued in accordance with regulation (EU) NO.305/2011 under the sole responsibility of the manufacturer identified above.

, Paralimni, 01/09/2018

Signed for and on behalf of manufacturer by: Koutsofta Katerina, Chemical Engineer

CE

AVRAAM PITTAKIS & SONS LTD
P.O. BOX 33006, 5310 PARALIMNI, CYPRUS
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ΑΠ 135 - CPR - 01/07/2013
135 - ALFATHERM THICK

CYS EN 998-1: 2016

General purpose rendering/plastering mortar (GP)

Reaction to fire: Class A1

Adhesion: ≥1.5 N/mm² - FP:A

Compressive Strength : CSIV

Water absorption: W2

Water vapour diffusion coeff.: μ≤15

Dry Bulk Density: 1650±10kg/m³

Thermal conductivity (λ10, dry): 0.65 ±0.05 W/mK
(Mean Value, P=50%)

Release of dangerous substances: see SDS

Durability (against freeze / thaw cycles): evaluation based on provisions valid in the intended place of use of the mortar