



ALFATHERM Top Coat Flex

ALFATHERM TOP COAT FLEX is a premium quality cement-based coating based on high quality cement, specially granulated sand and fortified with resins. Suitable for bonding and levelling thermal insulation boards on bricks, plastered surfaces, on vertical or horizontal surfaces, for indoor and outdoor. Also ideal for plastering fair face concrete and sprits.

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 micro molar stabilizer (primer).

Mixing: 25kg **ALFATHERM TOP COAT FLEX** 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: Using a notched trowel (10x10mm), apply across the entire surface, a thin (3-5mm) layer of the adhesive, and encapsulate in it the reinforcing fiberglass mesh (ALFANET 160 g/m² based on ETAG). Using the trowel, and once the mesh installation is completed smooth the surface and apply 1-2 additional layers about 1-1.2mm thick each. Each coat is applied after the previous one has sufficiently dry (6-24hours). On complete cure, prime the surface with ALFALIQ COLOR & PLASTER PRIMER and coat with ALFALIQ UV THERMAL SILICONE PLUS or ALFALIQ ACRYLIC PLASTER SILICONE, available in smooth or textured finish. Alternatively, use Globus Colors ELASTOMERIC paint (in such case one more coat of **ALFATHERM TOP COAT FLEX** is required prior painting).

Consumption: 1.5-2 kg/m²/mm

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	0.7 mm
Bulk density of dry mortar	1.35±0.1kg/lt.
Dry solid content (%)	100%
Storage	12 months if stored in original, unopened packaging, in dry and shaded places.
Toxicity/ Inflammability	NO
Application data	
Consistency of mix	Paste
Bulk density of fresh mortar	1.8 ± 0.05 kg/L
Mix Ratio	25kg Powder with 6-7LWater
pH of of the mix	>10
Pot life	3 hours / stirring every 1hr
Application temperature	+5 °C - +35 °C
Open time	30 min
Time for the final coat	7days - summer and 14 days - winter
Consumption: As mesh coating layer	1.5 - 2 kg/m ² /mm (no. of recommended coats:2)
Final Performances	
Adhesion Strength after 28 days, EN 1015-12	≥ 0.8 ± 0.1% N/mm ²
Compressive Strength after 28 days, EN 1015-11	8.5 N/mm ² - CS IV
Flexural Strength after 28 days, EN 1015-11	3 N/mm ²
Water Absorption EN 1015-18	Κατηγορία w2 (c<0.2 kg/m ² .min ^{0.5})
Thermal Conductivity (λ10,dry)	≤0.6 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: ΑΠ 133ΕΚ-CPR - 01/07/2013

1. Unique identification code of the product-type: 133EK-ALFATHERM TOP COAT FLEX
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: **CYEN 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	≥0.8 N/mm ² -FP:A	
Compressive Strength	CSIV	
Water Absorption	W2	
Water Vapour permeability coefficient	μ ≤15	
Dry Bulk Density	1650 ± 10 kg/m ³	
Thermal Conductivity, λ10, dry	0.6 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



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CYS EN 998-1: 2016

General purpose rendering/plastering mortar (GP)

Reaction to fire: Class A1

Adhesion: ≥ 0.8 N/mm² - FP:A

Compressive Strength : CSIV

Water absorption: W2

Water vapour diffusion coeff.: $\mu \leq 15$

Dry Bulk Density: 1650 ± 10 kg/m³

Thermal conductivity (λ_{10} , dry): (Mean Value, P=50%)

Release of dangerous substances: see NPD

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