ALFAKOL 3*

ALFAKOL 3* C2TE - Improved, cementitious tile adhesive (C2) with reduced vertical slip (T) and an extended open time (E). Suitable for indoor and outdoor use, for tiling ceramic, porcelain and granite tiles on floors and walls.

DIRECTIONS FOR USE:

Surface preparation: The surface to be overlaid must be clean, free of dust, grease, paint, loose material etc. Dampening of the substrate before application is recommended.

Mixing: ALFAKOL 3* is gradually added into water (6-7L) under continuous stirring, until a uniform, lump free mixture is obtained and the desired consistency is achieved. Use a low speed mechanical stirrer for the preparation of the adhesive. Allow the mixture to mature for 5-10 minutes. During use mix periodically, without addition of extra water.

Application: The tile adhesive should be spread ("combed") on the substrate using a notched trowel, in order to be uniformly applied on the whole surface. The tiles should be fixed by pressing them in the desired position. The applied mixture must be covered with tiles within 10-20 minutes (depending on temperature, humidity and wind) in order to avoid "skin" formation, i.e. before the adhesive film starts setting.

Consumption: 5-6 kg/m² depending on the size of the notched trowel, the smoothness of the substrate and the dimensions of the tiles.

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

Storage: Store in factory sealed packages, in dry and shaded places for a minimum of 12 months after production date.

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

Product identity	
Form	Cementitious mortar
Color	White / Grey
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.
Toxixity/ Inflammability	NO
Application data	
Water demand	25kg mortar in 6-7lt. water
pH of fresh mortar	>10
Pot life	4 hours / mix every 1 hour
Application temperature	+5 °C - +35 °C
Grouting	4-6 hours on wall 24 hourd on floor
Foot Traffic	24 hours
Consumption	5-6kg/m² Depending on use
Final Performances	
Classification according EN12004	C2TE
Temperature resistance	-30°C - +90°C
Open time (30min.)	0.6 N/mm²
Initial adhesion strength (28 days)	2.1 N/mm²
Adhesion Strength after heat ageing (28 days)	1.2 N/mm²
Adhesion strength after water immersion (28 days)	1 N/mm²
Adhesion strength after freeze-thaw cycles (28 days)	1.1 N/mm²
Slip	0.5 mm

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: CPR004-CPR - 01/07/2013

1. Unique identification code of the product-type: ALFAKOL 3* 004

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: Improved, cementitious adhesive with reduced slip and extended open time, Internal/External wall and floor tiling.

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.pittakis.com
info@pittakis.com

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V : **System 3**

6. a. Harmonised Standard: CYS EN 12004:2017

Notified body: A notified testing laboratory, the APPLUS, LGAI TECHNOLOGICAL CENTER, S.A, NB 0370, has performed the determination of the product-type on the basis of Initial Type Testing (ITT) under system 3 and issued the test report Nº 08/32301784

7. Declared Performance/s:

C2TE		
Essential characteristics	**Performance**	**Harmonised Technical Specification**
Reaction to fire	Class A1	EN 12004:2017
Release of dangerous substances	NPD	
Open time (30 min)	≥0.5 N/mm²	
Initial Adhesion Strength	≥1 N/mm²	
Adhesion Strength after Heat Ageing	≥1 N/mm²	
Adhesion Strength after water immersion	≥1 N/mm²	
Adhesion Strength after freeze/ thaw cycles	≥1 N/mm²	
Slip	≤0.5 mm	

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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CPR004 - CPR - 01/07/2013
ALFAKOL 3* - 004

CYS EN 12004: 2017

Improved Cementitious Adhesive with Extended Open Time and reduced slip C2TE

Internal / External wall and floor tiling

Reaction to fire: Class A1

Release of dangerous substances: NPD

Open Time (30 min): ≥ 0.5 N/mm²

Initial Tensile Adhesion Strenght ≥ 1 N/mm²

Tensile Adhesion Strenght after Heat Ageing: ≥ 1 N/mm²

Tensile Adhesion Strenght after Water Immersion: ≥ 1 N/mm²

Tensile Adhesion Strenght after Freeze/Thaw Cycles: ≥ 1 N/mm²

Slip: ≤ 0.5mm