ALFA ARMOS
Silicone

ALFA ARMOS Silicone - Super strength, Flexible, Cementitious grout, reinforced with special acrylic polymer resins. It offers high mechanical strength, superb color stability and great water-repellency. Suitable for grouting widths from 1 to 8mm, both indoors and outdoors, wall and floor surfaces lined with ceramic tiles, granite and mosaic. It is suitable to apply on areas with permanent and high moisture levels, such as bathrooms, balconies, terraces, kitchens and swimming pools. Classified as type CG2/WA tile grout according to EN 13888.

DIRECTIONS FOR USE

Surface preparation: Remove from the tile surface all adhesive residues and clean the grout joints with a damp sponge.

Mixing: Empty the mortar into a clean container with water, at a ratio of 1.2- 1.5lt of water to 5kg of grout, and mix with a low rpm electric mixer, until a lump free, homogeneous mass is created. Allow the mixture to mature for 5 minutes and mix periodically, without adding extra water.

Application: Grouting starts at least 24 hours after tile installation (for floor). Apply the grout using a grouting float, working diagonally towards the grout joints, without leaving any gaps or residue. When the grout begins to set, remove the residue using a damp sponge. Finally, when the material cures completely, clean/shine the surface with a dry cotton cloth.

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: 12 months in original unopened factory sealed packages, in dry and shaded place.

Colors may vary due to printing process.

Consumption: The following table is the indicative consumption, depending on the width and the depth of the joint, as well as the dimensions of the tiles.

Tiles Dimensions (cm)	Joint windth (mm)			
	2 mm	5 mm	6 mm	8 mm
2 x 2 x 0.38 (mosaic)	1350	-	-	-
5 x 5 x 0.4 (mosaic)	500	-	-	-
10 x 10 x 0.6	350	500	630	850
30 x 30 x 1	200	300	600	480
40 x 40 x 1	150	220	440	360
60 x 60 x 1	100	160	330	230
60 x 120 x 1.10	80	110	250	200

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

Product identity	
Form	Cementitious mortar
Color	10 permanent colors
Dry Solid content (%)	100%
Bulk density of dry mortar	1.1±0.05 kg/L
Storage	12 months if stored in original, unopened packaging, in dry and shaded places.
Toxixity/ Inflammability	NO
Application data	
Mixing ratio	5kg mortar with 1.5L water 5kg mortar with 1L water and 0.5L Latex
pH	>10
Application temperature	+5 °C - +35 °C
Grouting time after tile installation	4 - 8 hours on walls 24 hours on floors
Foot traffic	After 24 - 48 hours
Final Performances	
Classification according EN 13888	CG2/WA
Flexural Strength (28 days) per EN 12808-3	≥7.5 N/mm²
Compressive Strength (28 days) per EN 12808-3	40 ± 1.5 N/mm²
Flexural Strength after freeze-thaw cycles, per EN 12808-3	7.5 N/mm²
Compressive Strength after freeze-thaw cycles, per EN 12808-3	35 ± 1.5 N/mm²
Shrinkage	≤ 1 mm/m
Water absorption (30 minutes), per EN 12808-5:	0.1 g
Water absorption (240 minutes), per EN 12808-5:	0.2 g

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: AΠ500S-CPR - 01/07/2013

1. Unique identification code of the product-type: 500S-ALFA ARMOS SILICONE

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 Grout (CG2/WA)

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

6. Harmonised Standard: CYS EN 13888:2009

7. Declared Performance/s:

Improved Cementitious Grout (CG2/WA)		
Essential characteristics	**Performance**	**Harmonised Technical Specification**
Abrasion Resistance (EN 12808-2)	≤ 1000 mm^3	EN 13888:2009
Flexural Strength after freeze-thaw cycles (EN 12808-3)	≥ 2.5 N/mm^2	
Flexural Strength after freeze-thaw cycles (EN 12808-3)	≥ 2.5 N/mm^2	
Compressive Strength after dry storage (EN 12808-3)	≥ 15 N/mm^2	
Compressive Strength after freeze-thaw cycles (EN 12808-3)	≥ 15 N/mm^2	
Shrinkage (EN 12808-4)	≤ 3 mm/m	
Water absorption after 30min (EN 12808-5)	≤ 2 gr	
Water absorption after 240min (EN 12808-5	≤ 5 gr	

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.

Signed for and on behalf of manufacturer by:

, Paralimni, 01/09/2018

Koutsofta Katerina, Chemical Engineer

CE

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ALFA ARMOS SILICONE - 500S

EN 13888

Improved Cementitious Grout (CG2/WA)

Abrasion Resistance: ≤1000 mm^3

Flexural Strength after dry storage: ≥2.5 N/mm^2

Flexural Strength after freeze-thaw cycles: ≥2.5 N/mm^2

Compressive Strength after dry storage: ≥ 15 N/mm^2

Compressive Strength after freeze-thaw cycles: ≥15 N/mm^2

Shrinkage:≤3 mm/m

Water Absorption after 30 min:≤ 2gr

Water Absorption after 240 min: ≤ 5gr