

ISOMAT AK-FIRE

DECLARATION OF PERFORMANCE

Declaration number: **ISOMAT AK-FIRE / 1251-03**

1.Unique identification code of the product type	ISOMAT AK-FIRE
2.Intended use/uses	General purpose mortar (G) for laying and grouting firebricks
3.Manufacturer	<i>ISOMAT S.A</i> 17th Km Thessaloniki-Ag. Athanasios 57003 Ag. Athanasios, Greece
4.Authorised representative	<i>ISOMAT D.O.O.</i> Prhovacka bb, 22310, Šimanovci, Serbia <i>ISOMAT ROMANIA SRL</i> Str. Islazului Nr.1-5, Pantelimon, 077145 Jud. Ilfov, Romania <i>ISOMAT INTERNATIONAL E.O.O.D.</i> Botevgradsko Shosse No.348. Sofia, Bulgaria <i>ISOMAT GRADBENI MATERIALI D.O.O.</i> Cvetkova ulica 2 9000 Murska Sobota, Slovenia <i>ISOMAT YAPI KIMYASALLARI VE TIC.LTD.STI.</i> <i>ISTANBUL</i> IOSB S. Demirel Bulvan, Heskop Is Modern San. Sit., J Blok Zemin Kat No 20, Basaksehir <i>ООО «ИЗОМАТ»</i> 17, Nauchniy proezd, building 15-3 117246, MOSCOW, Russian Federation <i>ISOMAT DEUTSCHLAND GMBH</i> Karl-Wirth-Strasse 14 D-76694 Forst,Germany
5.System/s of AVCP	System 2+

6a.Harmonised standard	EN 998-2:2016
Notified body/ies	TUV AUSTRIA HELLAS NB 0906
6b.European Assessment Document	Not relevant
European Technical Assessment	Not relevant
Technical Assessment body	Not relevant
Notified body/ies	Not relevant

7.Declared performance/s			
Essential characteristics	Performance	Test Method	Harmonized Technical Specification
Compressive strength	M25	EN 1015-11	EN 998-2:2016
Bond Strength	0,15 N/mm ² (tabulated)	EN 998-2	
Reaction to fire	class A1	EN 1015-17	
Capillary water absorption	0,30 kg/m ² min ^{0.5}	EN 13501-1	
Water vapor permeability	μ: 15/35 (tabulated)	EN 1015-18	
Thermal conductivity λ_{10 dry}	0,75 W/mK (tabulated)	EN 1745	
Durability (against free/ thaw)	evaluation based on provisions valid in the intended place of use of the mortar		
Dangerous substances	complies with paragraph 5.4.9		

The performance of the product identified above is in conformity with the set of declared performance/s. 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 the manufacturer by:



Konstantinos Iliopoulos
Quality Manager



Georgios Syriopoulos
Certifications & Specifications Manager

Agios Athanasios 30/09/2022

CE MARKING

 0906
ISOMAT S.A. 17 th km Thessaloniki – Ag. Athanasios P.O. BOX 1043, 570 03 Ag. Athanasios, Greece 12 0906-CPR-02412008 DoP No.: ISOMAT AK-FIRE/1251-03
EN 998-2 <u>Designed</u> general purpose masonry mortar for external use in elements subject to structural requirements Compressive strength: Category M 25 Initial shear strength: 0.15 N/mm ² (tab. value) Reaction to fire: Class A1 Density (dry hardened mortar) 1,700 kg/m ³ Water absorption: 0.3 kg/m ² min ^{0.5} Water vapor permeability: μ 15/35 (tab. value) Thermal conductivity: ($\lambda_{10,dry}$) 0.75 W/mK (tab. mean value; P = 50 %) Durability (against freeze/thaw): evaluation based on provisions valid in the intended place of use of the mortar



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ISOMAT S.A.
BUILDING CHEMICALS,
MORTARS & PAINTS
export@isomat.eu | www.isomat.eu

HEADQUARTERS
THESSALONIKI, GREECE
17th km Thessaloniki - Ag. Athanasios Road
P. O. BOX 1043, 570 03 Ag. Athanasios
T: +30 2310 576 000



CERTIFIED COMPANY