



DECLARATION OF PERFORMANCE

N°: 2-CPR-2013/07/01-R3 (EN)

1. Unique identification code of the product-type:

C204, C207, C208, C211, C302, C307, C310, C313, C401, C403

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

A. İZOCAM GLASSWOOL BLANKETS (GW Duct Blanket, Duct Liner, GW Blanket (HVAC), GW Solar Blanket, GW Flexible Duct Blanket)

B. İZOCAM GLASSWOOL BOARD (GW Prefabricated Duct Board, GW Duct Board, GW Board (HVAC), Izopan, GW Panel Board)

C. GLASSWOOL PREFABRICATED PIPE SECTIONS

(See product label)

3. Intended use (according harmonised technical specification):

Thermal Insulation of Building Equipment and Industrial Installations

4. Name, registered trade name and contact address of the manufacturer:

İzocam Ticaret ve Sanayi A.Ş.

Altayçeşme Mahallesi, Öz Sokak, No:19, 34843, Maltepe / İstanbul

www.izocam.com.tr

5. Name and contact address of the authorised representative:

Not applicable

6. System(s) of Assessment and Verification of Constancy of Performance of the construction product:

AVCP System 1 for Reaction to fire

AVCP System 3 for other characteristics

7. Case a construction product covered by a harmonised standard::

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, (Notified Body n° 1020) and ERA Laboratuvarları A.Ş., (Notified Body n°2184) performed the determination of the product-type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of factory production control; continuous surveillance, assessment and evaluation of factory production control; under system 1 issued a certificate of constancy of performance No:1020-CPD-010030986.

TEBAR Test Belgelendirme Araştırma ve Geliştirme Tic. A.Ş., (Notified Body n°2164) performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), under system 3. Issued the relevant test reports.

8. Case of a construction product for which a European Technical Assessment has been issued:

Not applicable



9. Declared performance:

All characteristics listed in the table hereunder are determined in harmonised standard EN 14303:2009+A1:2013.

Essential characteristics		Performance ^a
Reaction to fire	Reaction to fire	See Table 1
Acoustic absorption index	Sound absorption	NPD
Thermal resistance	Thermal conductivity	See Table 1
	Dimensions and tolerances	See product label
Water permeability	Water absorption	NPD
Water vapour permeability	Water vapour diffusion resistance	NPD
Compressive strength	Compressive stress or compressive strength for flat products	NPD
Rate of release of corrosive substances	Trace quantities of watersoluble ions and the pH-value	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous glowing combustion	Continuous glowing combustion	NPD
Durability of reaction to fire against ageing/degradation	Durability characteristics	b
Durability of thermal resistance against ageing/degradation	Thermal conductivity	c
	Dimension and tolerances	
	Dimensional stability or	
	Maximum service temperature – dimensional stability	
Durability of reaction to fire against high temperature	Durability characteristics	d
Durability of thermal resistance against high temperature	Durability characteristics	c
	Maximum service temperature – dimensional stability	

- a The requirement on a certain characteristic is not applicable in those Member States (MSs) where there are no regulatory requirements on that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these MSs are not obliged to determine nor declare the performance of their products with regard to this characteristic and the option "No performance determined" (NPD) in the information accompanying the CE marking (see ZA.3) may be used. The NPD option may not be used, however, where the characteristic is subject to a threshold level (thermal resistance (thermal conductivity and thickness)).
- b The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.
- c Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
- d The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.

Table 1

Product	Facing	Density	Thermal Conductivity (W/m.K)					Thickness Tolerance Class	Reaction to fire
		(Kg/m ³)	10 °C	25 °C	50 °C	75 °C	100 °C		
GW Solar Collec. Blanket	Unfaced	$8 \leq \rho < 11$	0,044	0,053	0,063	0,070	0,077	T1	A1
GW Solar Collec. Blanket - 400	Unfaced	$\rho = 11$	0,043	0,048	0,057	0,063	0,069	T1	A1
GW Solar Collec. Blanket - 350	Unfaced	$11 < \rho < 16$	0,040	0,046	0,055	0,061	0,067	T1	A1
GW Duct Blanket / GW Solar Blanket	Unfaced / Glass tissue / Glass textile / Black painted	24	0,035	0,036	0,041	0,044	0,048	T1	A1
	Alufoil (with kraft)								C-s1,d0
	Alufoil (without kraft)								A2-s1,d0
GW Blanket (HVAC)	Unfaced / Glass tissue / Glass textile / Black painted	$16 \leq \rho < 24$	0,035	0,039	0,047	0,051	0,055	T1	A1
	Alufoil (with kraft)								C-s1,d0
	Alufoil (without kraft)								A2-s1,d0
GW Blanket (HVAC)	Unfaced / Glass tissue / Glass textile / Black painted	$24 < \rho < 28$	0,035	0,036	0,041	0,044	0,048	T1	A1
	Alufoil (with kraft)								C-s1,d0
	Alufoil (without kraft)								A2-s1,d0
GW Blanket (HVAC)	Unfaced / Glass tissue / Glass textile / Black painted	$28 \leq \rho < 32$	0,033	0,036	0,041	0,044	0,048	T1	A1
	Alufoil (with kraft)								C-s1,d0
	Alufoil (without kraft)								A2-s1,d0
Duct Liner	Acrylene	24	0,035	0,036	0,041	0,044	0,048	T3	A2-s3,d0
	Glass tissue								A1
	Acrylene	32	0,033	0,036	0,041	0,044	0,048		A2-s3,d0
	Glass tissue								A1
GW Flexible Duct Blanket/ GW Solar Blanket	Unfaced / Black painted / Pink painted / Green painted	$12 \leq \rho < 16$	0,040	0,046	0,055	0,061	0,067	T1	A1
		$16 \leq \rho < 24$	0,035	0,039	0,047	0,051	0,055		A1

Product	Facing	Density	Thermal Conductivity (W/m.K)					Thickness Tolerance Class	Reaction to fire		
		(Kg/m ³)	10 °C	25 °C	50 °C	75 °C	100 °C				
GW Duct Board	Unfaced / Glass tissue / Glass textile / Black painted/ Alufoil (without kraft) (*)	$\rho = 40$	0,033	0,034	0,037	0,041	0,046	T3	A1		
	Alufoil (with kraft)								C-s1,d0		
	Alufoil (without kraft)								A2-s1,d0		
GW Board (HVAC)	Unfaced / Glass tissue / Glass textile / Black painted/ Alufoil (without kraft) (*)	$28 \leq \rho < 40$ $40 < \rho < 50$	0,033	0,035	0,041	0,045	0,049	T3	A1		
	Alufoil (with kraft)								C-s1,d0		
	Alufoil (without kraft)								A2-s1,d0		
	Unfaced / Glass tissue / Glass textile / Black painted	Alufoil (with kraft)	$50 \leq \rho < 64$	0,031	0,034	0,037	0,041	0,046	T3	A1	
										Alufoil (without kraft)	C-s1,d0
										Alufoil (without kraft)	A2-s1,d0
	Unfaced / Glass tissue / Glass textile / Black painted	Alufoil (with kraft)	$64 \leq \rho < 85$	0,031	0,033	0,036	0,039	0,042	T3	A1	
Alufoil (with kraft)										C-s1,d0	
Alufoil (without kraft)										A2-s1,d0	
İzopan	Alufoil + Yellow glass tissue	100	0,031	0,033	0,035	0,037	0,040	T5	C-s1,d0		
GW Prefabricated Duct Board	Alufoil + Black glass tissue	72	0,031	0,033	0,036	0,039	0,042	T5	C-s1,d0		
	Both face alufoil										
GW Prefabricated Duct Board	Alufoil + Black glass tissue	85	0,031	0,033	0,036	0,038	0,041	T5	C-s1,d0		
	Both face alufoil										

(*) For alufoil (without kraft) faced products : $\rho \leq 50 \text{ kg/m}^3$ and thickness $\leq 50 \text{ mm}$

Product	Facing	Density	Thermal Conductivity (W/m.K)						Thickness Tolerance Class	Reaction to fire
		(Kg/m ³)	25 °C	50 °C	75 °C	100 °C	125 °C	150 °C		
GW Prefabricated Pipes	Unfaced	$50 \leq \rho$	0,033	0,035	0,04	0,045	0,05	0,055	T8 T9	A1L
	Alufoil (with kraft)									C-s1,d0
	Alufoil (without kraft)									A2L-s1,d0
	ASJ									DL-s1,d0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

(Halil Sıtkı Ergün / Engineering Manager)
Department of Engineering, 01/07/2016

İZOCAM TİCARET VE SANAYİ A.Ş.
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