

		TECHNICAL DATA SHEET								24.02.2016	
		İZOCAM STONEWOOL INDUSTRIAL BLANKET									
Properties	Symbol	Unit	Description							Tolerance	Standard
Material	-	-	Stonewool							-	TS EN 14303
Density	$\rho$	kg/m <sup>3</sup>	100 - 120							+/-10%	-
Width	b	mm	1000							+/-10	TS EN 822
Length	l	mm	8000	8000	5000	5000	3000	3000	3000	-0,+ $\infty$	TS EN 822
Thickness	d	mm	30	40	50	60	75	100	120	T2(**)	TS EN 823
Facing	-	-	Stitched with Galvanized Wire							-	-
Reaction to fire	-	-	A1							-	TS EN 13501-1
Thermal Conductivity	T	°C	50	100	150	200	250	300	350	-	TS EN 12667 TS EN 12939 TS EN 13787
	$\lambda_D$	W/mK	0.038	0.046	0.057	0.066	0.079	0.093	0.108		
Maximum Service Temperature	-	°C	650							-	TS EN 14706
Short Term Water Absorption with Partial	$W_p$	kg/m <sup>2</sup>	max.1							-	TS EN 1609
Water Vapor Diffusion Resistance (*)	$\mu$	-	1							-	TS EN 12086
Packaging Material	-	-	PE Film							-	-
Application Area	It is used for thermal insulation and fire safety of industrial plants, process equipments, large diameter pipes.										
Remarks											

(\*) Literature value.

(\*\*)T2: -5 % or - 5 mm ; + 15 % or + 15 mm. The biggest value is choosed at minus tolerance, The smallest value is choosed at + tolerance.

İzocam stonewool products are manufactured under the licence of Saint Gobain Isover G+H in İzocam Stonewool Plant  
İzocam stonewool products are manufactured in İZOCAM Stonewool Plant having ISO 9001, ISO 14001 and OHSAS 18001 Management System Certificates.

Please contact İzocam Sales Department for different sizes, special facings and detailed technical properties.  
Product and its specifications discussed herein are subject to change by İZOCAM without notice.



## DECLARATION OF PERFORMANCE

N°: 4-CPR-2013/07/01 (EN)

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

*T201, T203, T301, T304, T410, T414, T501, T502, T503*

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

A. IZOCAM STONEWOOL BLANKETS (SW Industrial Blanket)

B. IZOCAM STONEWOOL BOARD (SW Industrial Board, SW Panel Board, SW Duct Board, SW Solar Board)

C. IZOCAM STONEWOOL 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](http://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-010031210.*

*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*

*İZOCAM TİCARET VE SANAYİ A.Ş.*  
*Şirketin Menkul Değerleri: 24.000.143,35 TL*



**9. Declared performance:**

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

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

- 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.

*IZOCAM*  
 İZOCAM CARPET VE SİYAYİ A.Ş.  
 İstanbul, Selim Paşa: 24.034 / 43,35 TL



Table 1

Product	Facing	Density (Kg/m <sup>3</sup> )	Thermal Conductivity (W/m.K)							Maximum Service Temperature (°C)	Thickness Tolerance Class	Reaction to fire
			50 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C			
SW Industrial Blanket	Unfaced / Rabitz Wire/ Alufoil	35 ≤ ρ < 50	0,043	0,057	0,081	0,104	0,134	0,164	-	450	T2	A1
		50 ≤ ρ < 65	0,043	0,057	0,081	0,104	0,134	0,164	-	550		
		65 ≤ ρ < 80	0,041	0,051	0,065	0,082	0,101	0,124	0,149	600		
		80 ≤ ρ < 90	0,038	0,047	0,058	0,069	0,083	0,098	0,115	650		
		90 ≤ ρ < 125	0,038	0,046	0,057	0,066	0,079	0,093	0,108	650		
		125 ≤ ρ	0,037	0,044	0,052	0,061	0,071	0,082	0,094	650		
SW Industrial Board, SW Panel Board	Unfaced / Alufoil / Glass Tissue	40 ≤ ρ < 50	0,043	0,055	0,070	0,09	0,113	0,141	-	450	T4	A1
		50 ≤ ρ < 60	0,043	0,055	0,070	0,09	0,113	0,141	-	550		
		60 ≤ ρ < 70	0,041	0,051	0,065	0,082	0,101	0,124	0,149	600		
		70 ≤ ρ < 110	0,039	0,048	0,059	0,072	0,087	0,103	0,122	650		
		110 ≤ ρ < 120	0,037	0,045	0,053	0,062	0,073	0,085	0,097	650		
		120 ≤ ρ < 140	0,037	0,044	0,052	0,061	0,071	0,082	0,094	650		
		140 ≤ ρ	0,037	0,044	0,051	0,059	0,068	0,077	0,087	650		
SW Duct Board	Unfaced / Alufoil	70	0,039	0,048	0,059	0,072	0,087	0,103	0,122	650	T4	A1
SW Solar Board	Unfaced	60	0,043	0,057	0,081	0,104	0,134	0,164	-	600	T4	A1
SW Prefabricated Pipe	Unfaced	100 ≤ ρ	0,037	0,045	0,054	0,063	0,075	0,088	0,101	650	T8 T9	A1L
	Alufoil	100 ≤ ρ	0,037	0,045	0,054	0,063	0,075	0,088	0,101			A2L-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.

IZOCAM TİCARET VE SANAYİ A.Ş.  
Çikarım: 24.634.143,35 TL

(Halil Sıtkı Ergün / Engineering Manager)  
Department of Engineering, 03/03/2014