ERA LABORATUVARLARI A.Ş.

ERA Fire Test Laboratory

Accredited Body
No: AB-0330-T

Notified Body
No:2184

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH TS EN 13501-1:2007+A1:2010

Sponsor	: İZOCAM TİC. ve SAN. A.Ş., Organize Sanayi Bölgesi 3. Cadde No: 4, Yukarı Dudullu, İSTANBUL / TURKEY
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Product name	: İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels
Classification report No.	: ERA - 11 - 075
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1. INTRODUCTION

This classification report defines the classification assigned to *"İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels"* in accordance with the procedures given in TS EN 13501-1:2007+A1:2010

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

The product *İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels is* defined as a „type of classified product". Its classification is valid for the following end use application:

EN 14509: Self-supporting double skin metal faced insulating panels - Factory made products - Specifications

2.2. Description:

The product *İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels is* fully described in the test reports in support of the classification listed in clause 3. This classification report is valid for the product types indicated below:

İZOCAM TEKİZ - PUR Insulated Wall Panels: PUR filled wall panels which both surfaces are covered with painted galvanized steel plates

İZOCAM TEKİZ - PUR Insulated Roof Panels: PUR filled wall panels which both surfaces are covered with painted galvanized steel plates and one face has profiled surface

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
ERA LABORATUVARLARI A.Ş.	İZOCAM TİC. ve SAN. A.Ş.	FTST11244	TS EN 13823
		FTST11247	
		FTST11250	
		FTST11253	

		FTST11245	TS EN ISO 11925-2
		FTST11246	
		FTST11248	
		FTST11249	
		FTST11251	
		FTST11252	
		FTST11254	
		FTST11255	

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
TS EN ISO 11925-2 [a], [b], [c], [d] Flame exposition: 30 s	*Fs* ≤ 150 mm(1) ignition of filter paper (1) *Fs* ≤ 150 mm(2) ignition of filter paper (2)	48 48 48 48	(-) (-) (-) (-)	Yes No Yes No
TS EN 13823[a]	$FIGRA_{0,2\ MJ}$ (W/s) LFS > edge $THR_{600\ s}$ (MJ)	3 3 3	56,7 (-) 3,4	(-) No (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	38,7 225,3	(-) (-)
	Flaming droplet(s)/particle (s)	3	(-)	No
TS EN 13823[b]	$FIGRA_{0,2\ MJ}$ (W/s) LFS > edge $THR_{600\ s}$ (MJ)	3 3 3	77,1 (-) 6,7	(-) No (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	30,5 292,2	(-) (-)
	Flaming droplet(s)/particle (s)	3	(-)	No
TS EN 13823[c]	$FIGRA_{0,2\ MJ}$ (W/s) LFS > edge $THR_{600\ s}$ (MJ)	3 3 3	64,4 (-) 5,3	(-) No (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	32,9 235,0	(-) (-)
	Flaming droplet(s)/particle (s)	3	(-)	No
TS EN 13823[d]	$FIGRA_{0,2\ MJ}$ (W/s) LFS > edge $THR_{600\ s}$ (MJ)	3 3 3	76,4 (-) 7,0	(-) No (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	28,0 290,5	(-) (-)
	Flaming droplet(s)/particle (s)	3	(-)	No

(-): Not applicable
(1): Surface flame attack
(2): Edge flame attack

[a]: for Wall Panel 40 mm product
[b]: for Wall Panel 50 mm product
[c]: for Roof Panel 40 mm product
[d]: for Roof Panel 50 mm product

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 11925-2 (a), (b), (c), (d)	*Fs* ≤ 150 mm (1), (2) ignition of filter paper	Yes No	Yes (B - D) No (d0)
TS EN 13823[(a)]	$FIGRA_{0,2MJ}$ [W/s]	56,7	≤ 120 (B)
	THR_{600s} [MJ]	3,1	≤ 7,5 (B)
	LFS < edge	yes	Yes (B)
	SMOGRA [m^2/s^2]	38,7	≤ 180 (s2)
	TSP_{600s} [m^2]	225,3	≥ 200 (s3)
	Burning time of flaming droplets/particles [s]	none	no (d0)
TS EN 13823[(b)]	$FIGRA_{0,2MJ}$ [W/s]	77,1	≤ 120 (B)
	THR_{600s} [MJ]	6,7	≤ 7,5 (B)
	LFS < edge	yes	Yes (B)
	SMOGRA [m^2/s^2]	30,5	≤ 180 (s2)
	TSP_{600s} [m^2]	292,2	≥ 200 (s3)
	Burning time of flaming droplets/particles [s]	none	no (d0)
TS EN 13823[(c)]	$FIGRA_{0,2MJ}$ [W/s]	64,4	≤ 120 (B)
	THR_{600s} [MJ]	5,3	≤ 7,5 (B)
	LFS < edge	yes	Yes (B)
	SMOGRA [m^2/s^2]	32,9	≤ 180 (s2)
	TSP_{600s} [m^2]	235,0	≥ 200 (s3)
	Burning time of flaming droplets/particles [s]	none	no (d0)
TS EN 13823[(d)]	$FIGRA_{0,2MJ}$ [W/s]	76,4	≤ 120 (B)
	THR_{600s} [MJ]	7,0	≤ 7,5 (B)
	LFS < edge	yes	Yes (B)
	SMOGRA [m^2/s^2]	28,0	≤ 180 (s2)
	TSP_{600s} [m^2]	290,5	≥ 200 (s3)
	Burning time of flaming droplets/particles [s]	none	no (d0)

(-): Not applicable
(1): Surface flame attack
(2): Edge flame attack

[(a)]: for Wall Panel 40 mm product
[(b)]: for Wall Panel 50 mm product
[(c)]: for Roof Panel 40 mm product
[(d)]: for Roof Panel 50 mm product

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.4 and 11.10.1 of TS EN 13501-1:2007+A1:2010

4.2. Classification

The product, *İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s3

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for *İZOCAM TEKİZ - PUR Insulated Wall and Roof Panels* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	3	,	d	0

Reaction to fire classification: B-s3,d0

4.3. Field of application

This classification is valid for the following product parameters:

İZOCAM TEKİZ - PUR Insulated Panels:

Wall Panels:

For core material (PUR Foam):

Density: 40 ±6 kg/m^3

For panel:

Nominal thickness: 40 to 50 mm

Total organic coatings per side:

Mass per unit area ≤ 73,41 g/m^2

For galvanized steel coating:

Thickness: 0,4 to 0,8 mm

For Polyethylene foam based protective tape

Thickness: 3 mm

Roof Panels:

For core material (PUR Foam):

Density: 40 ±6 kg/m^3

For panel:

Nominal thickness : 40 to 50 mm

Profile height : ≤40 mm

Total organic coatings per side:

Mass per unit area ≤ 73,41 g/m^2

For galvanized steel coating:

Thickness: 0,4 to 0,8 mm

For Polyethylene foam based protective tape

Thickness: 3 mm

The classification is valid for the following end use applications

- Product directly fixed without backing boards with vertical joints and inner/outer corner "L" profiles. Joint of the panels has Polyethylene foam based protective tape at the inner section.
- Panels were mounted with at least 80 mm air gap at the backside.

5. LIMITATIONS

5.1. Restrictions

This classification report is valid until 22nd of October 2016, provided that the technical specifications of the product will not be changed.

5.2. Warning

This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested

ERA LABORATUVARLARI A.Ş. ERA

Signed:

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Ali BAYRAKTAR
Person in the Charge of Tests

Approved:

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Onur DAĞ
Laboratory Manager