



ERA LABORATUVARLARI A.Ş.

ERA Fire Test Laboratory

Accredited Body
No: AB-0330-T



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

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Product name : İZOCAM TEKİZ Combi Panel

**Classification
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1. INTRODUCTION

This classification report defines the classification assigned to “İZOCAM TEKİZ Combi Panel” 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 Combi Panel* is defined as a „type of classified product“.

2.2. Description:

The product *İZOCAM TEKİZ Combi Panel* 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 - Combi Panel: Sandwich panel which consists of multilayer core of PUR and rock wool material and covered with profiled painted galvanized steel plates from one side and with PVC sheet from other side.

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.	FTST11267	TS EN 13823
		FTST11268	TS EN ISO 11925-2
		FTST11269	

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
TS EN ISO 11925-2 Flame exposition: 30 s	$F_s \leq 150$ mm(1) ignition of filter paper (1)	6	(-)	Yes
		6	(-)	No
	$F_s \leq 150$ mm(2) ignition of filter paper (2)	6	(-)	Yes
		6	(-)	No
TS EN 13823	FIGRA _{0,2 MJ} (W/s)	3	0,0	(-)
	LFS > edge	3	(-)	No
	THR _{600 s} (MJ)	3	0,6	(-)
	SMOGRA (m ² /s ²)	3	2,5	(-)
	TSP _{600 s} (m ²)	3	20,8	(-)
	Flaming droplet(s)/particle (s)	3	(-)	No
(-): Not applicable		(1): Surface flame attack (2): Edge flame attack		

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 11925-2	$F_s \leq 150$ mm (1), (2) ignition of filter paper	Yes No	Yes (B - D) No (d0)
TS EN 13823	FIGRA _{0,2MJ} [W/s]	0,0	≤ 120 (B)
	THR _{600s} [MJ]	0,6	≤ 7,5 (B)
	LFS < edge	yes	Yes (B)
	SMOGRA [m ² /s ²]	2,5	≤ 50 (s1)
	TSP _{600s} [m ²]	20,8	≤ 30 (s1)
	Burning time of flaming droplets/particles [s]	none	no (d0)
(-): Not applicable		(1): Surface flame attack (2): Edge flame attack	

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.2 and 11.10.1 of TS EN 13501-1:2007+A1:2010

4.2. Classification

The product, *İZOCAM TEKİZ Combi Panel*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for *İZOCAM TEKİZ Combi Panel* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

İZOCAM TEKİZ - Combi Panels:

Roof Panels:

For PUR core material:

Density: 37 kg/m³

Thickness: 25 mm

For rock wool core material:

Density: 100 kg/m³

Thickness: 75 mm

For PVC covering sheet:

Mass per unit area : 1,08 kg/m²

Thickness : 12 mm

For panel:

Nominal thickness: 100 mm

Total organic coatings at galvanized steel plate side:

Mass per unit area ≤ 73,41 g/m²

For galvanized steel coating:

Thickness: 0,4 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.
- Panels were mounted with at least 80 mm air gap at the backside.

5. LIMITATIONS

5.1. Restrictions

This classification report is valid until 29th of November 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.

Signed:

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Ali BAYRAKTAR
Person in the Charge of Tests



Approved:

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Onur DAĞ
Laboratory Manager