



ERA LABORATUVARLARI A.Ş.

ERA Fire Test Laboratory

Accredited Body

No: AB-0330-T



## CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

**Sponsor** : ALAZ AHŞAP TEKNOLOJİLERİ SAN. VE TİC.LTD.ŞTİ.  
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**Product name** : Technowoodsiding ALU

**Classification  
report No.** : ERA - 14 - 073

**Issue Number** : 1/2

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## 1. INTRODUCTION

This classification report defines the classification assigned to “*Technowoodsiding ALU*” in accordance with the procedures given in EN 13501-1:2007+A1:2009

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General:

The product *Technowoodsiding ALU* is defined as a „type of classified product“. Its classification is valid for the following end use application:

### 2.2. Description:

The product *Technowoodsiding ALU* is fully described in the test reports in support of the classification listed in clause 3.

Product Name	Density [kg/m <sup>3</sup> ]	Wooden veneer		Thickness of panel (mm)	Adhesive (g/m <sup>2</sup> )	Varnish (g/m <sup>2</sup> )
		Thickness (mm)	Mass per unit area (g/m <sup>2</sup> )			
Technowoodsiding ALU	2,7	0,40	160	18	100	110

## 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.	ALAZ AĖŞAP TEKNOLOJİLERİ SAN. VE TİC.LTD.ŞTİ.	FTST14276	TS EN 13823
		FTST14277	TS EN ISO 1716

## 3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
TS EN ISO 1716	PCS [ MJ/kg] <sup>(1)</sup>	(-)	0,00	(-)
	PCS [ MJ/ m <sup>2</sup> ] <sup>(2)</sup>	3	3,64	(-)
	PCS [ MJ/m <sup>2</sup> ] <sup>(3)</sup>	3	2,67	(-)
	PCS [ MJ/m <sup>2</sup> ] <sup>(4)</sup>	3	3,22	(-)
	PCS [ MJ/kg] <sup>(5)</sup>	3	1,77	(-)
TS EN 13823	FIGRA <sub>0,2 MJ</sub> (W/s)	3	98,0	(-)
	LFS > edge	3	(-)	No
	THR <sub>600s</sub> (MJ)	3	2,1	(-)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	3	6,4	(-)
	TSP <sub>600s</sub> (m <sup>2</sup> )	3	45,7	(-)
	Flaming droplet(s)/particle (s)	3	(-)	No
(-): Not applicable	(1):Aluminium substantial component (2):Wooden component (3): Adhesive component (4):Varnish component (5):Product as whole			

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 1716	PCS [ MJ/kg] <sup>(1)</sup>	0,00	≤ 3 MJ/kg
	PCS [ MJ/ m <sup>2</sup> ] <sup>(2)</sup>	3,64	≤ 4 MJ/ m <sup>2</sup>
	PCS [ MJ/m <sup>2</sup> ] <sup>(3)</sup>	2,67	≤ 4 MJ/m <sup>2</sup>
	PCS [ MJ/m <sup>2</sup> ] <sup>(4)</sup>	3,22	≤ 4 MJ/m <sup>2</sup>
	PCS [ MJ/kg] <sup>(5)</sup>	1,77	≤ 3 MJ/KG
TS EN 13823	FIGRA <sub>0,2MJ</sub> [W/s]	98,0	≤ 120(A2)
	THR <sub>600s</sub> [MJ]	2,1	≤ 7,5 (A2)
	LFS < edge	yes	Yes (A2)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]	6,4	≤ 30 (s1)
	TSP <sub>600s</sub> [m <sup>2</sup> ]	45,7	≤ 50 (s1)
	Burning time of flaming droplets/particles [s]	no	No (d0)
(-): Not applicable	(1):Aluminium substantial component (2):Wooden component (3): Adhesive component (4):Varnish component (5):Product as whole		

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.7, 11.9.3 and 11.10.1 of EN 13501-1:2007+A1:2009

##### 4.2. Classification

The product, *Technowoodsiding ALU*, in relation to its reaction to fire behaviour is classified:

**A2**

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 *Technowoodsiding ALU* is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

**Reaction to fire classification: A2-s1-d0**

##### 4.3. Field of application

This classification is valid for the following product parameters:

Product Name	Density [kg/m <sup>3</sup> ]	Wooden veneer		Thickness of panel (mm)	Adhesive (g/m <sup>2</sup> )	Varnish (g/m <sup>2</sup> )
		Thickness (mm)	Mass per unit area (g/m <sup>2</sup> )			
Technowoodsiding ALU	2,7	0,40	160	18	100	110

## 5. LIMITATIONS

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### 5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.

### 5.2. Warning

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

Signed:



.....  
Gulden YUZER  
Person in the charge of tests



Approved:



.....  
Onur DAG  
Laboratory Manager