

Fire Test Laboratory

Accredited Body
No: AB-0556-T

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

Sponsor : AGT AĞAÇ SANAYİ ve TİCARET A.Ş.
Organize Sanayi Bölgesi 3. Kısım 35. Cad. No:7
Döşemealtı, ANTALYA/TURKEY

Prepared by : EFFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
TOSB TAYSAD Organize San. Böl. 1. CD.
15. Yol No: 1 Şekerpınar - Çayırova
KOCAELİ, TURKEY

Product name : PANEL-18 MM

**Classification
report No.** : ERA - 17 - 003

Issue Number : 1/2

Date of issue : 05.01.2017

This classification report consists of 5 pages and may only be used or reproduced in its entirety.

1. INTRODUCTION

This classification report defines the classification assigned to "PANEL-18 MM" in accordance with the procedures given in EN 13501-1:2007+A1:2009

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

PANEL-18 MM is defined as a "type of classified product".

2.2. Description:

PANEL-18 MM is fully described in the test reports in support of the classification listed in clause 3.

Tested product types:

Manufactured Plant: AGT AĞAÇ SANAYİ ve TİCARET A.Ş.

Organize Sanayi Bölgesi 3. Kısım 35. Cad. No:7, Döşemealtı, ANTALYA/TURKEY

Product name	Thickness [mm]	Density [kg/m ³]	LAM coating			PVC foil coating			Content
			Thickness [mm]	Mass per unit area [g/m ²]	Color	Thickness [mm]	Mass per unit area [g/m ²]	Color	
PANEL-18 MM	18	756	0,10	175	Beyaz	0,30	400	Beyaz	MDF, LAM coated back face, PVC foil coated front face



3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
EFFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	AGT AĞAÇ SANAYİ ve TİCARET A.Ş.	FTST17008	EN 13823:2010+A1:2014
		FTST17009	EN ISO 11925-2:2010
		FTST167010	EN ISO 11925-2:2010

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	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper ⁽¹⁾	12	(-)	Yes
		12	(-)	No
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper ⁽²⁾	12	(-)	Yes
		12	(-)	No
TS EN 13823	FIGRA _{0,4 MJ} (W/s)	3	478,5	(-)
	LFS > edge	3	(-)	No
	THR _{600 s} (MJ)	3	20,8	(-)
	SMOGRA (m ² /s ²)	3	2,0	(-)
	TSP _{600 s} (m ²)	3	27,9	(-)
	Flaming droplets/particles	3	(-)	No
(-): Not applicable (1): Surface flame attack (2): Edge flame attack				

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 11925-2	$F_s \leq 150 \text{ mm}$ ignition of filter paper	Yes No	Yes (B – D) No (d0)
	FIGRA _{0,4MJ} [W/s]	478,5	≤ 750 (D)
TS EN 13823	THR _{600s} [MJ]	20,8	> 15 (D)
	LFS < edge	yes	Yes (D)
	SMOGRA [m ² /s ²]	2,0	< 30 (s1)
	TSP _{600s} [m ²]	27,9	< 50 (s1)
	flaming droplets/particles	yes	> 10 (d2)
(-): Not applicable			



4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.4, 11.9.2 and 11.10.1 of EN 13501-1:2007+A1:2009.

4.2. Classification

PANEL-18 MM, in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s1

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

d2

The format of the reaction to fire classification for PANEL-18 MM is:

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	1	,	d	2

Reaction to fire classification: D-s1,d2

4.3. Field of application

This classification is valid for the following product parameters:

Product name	Thickness [mm]	Density [kg/m ³]	LAM coating			PVC foil coating			Content
			Thickness [mm]	Mass per unit area [g/m ²]	Color	Thickness [mm]	Mass per unit area [g/m ²]	Color	
PANEL-18 MM	18	756	0,10	175	Beyaz	0,30	400	Beyaz	MDF, LAM coated back face, PVC foil coated front face



5. LIMITATIONS

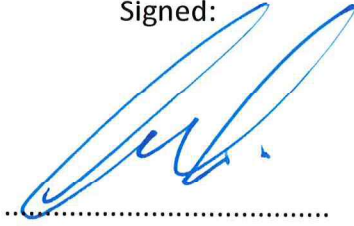
5.1 Restrictions

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:



Şahin SAKAT
Person in the charge of tests



Approved:



Ali BAYAKTAR
Laboratory Manager