



EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.

Fire Test Laboratory

Accredited Body

Nr: AB-0556-T



CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH

EN 13501-1:2018

Sponsor : RBS RAVAGO İNŞAAT YALITIM ÜRÜNLERİ A.Ş.
Tatlısu Mah. Arif Ay Sok. No:6/2, Şerifali, İstanbul /
TURKEY

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Dilovası OSB Mah. Fırat Cad. No: 18 Dilovası,
Kocaeli / TURKEY

Product name : RAVABER STONEWOOL BOARD AF

**Classification
report No.** : ERA – 21 – 162

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

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1. INTRODUCTION

This classification report defines the classifications assigned to “RAVABER STONEWOOL BOARD AF” in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

RAVABER STONEWOOL BOARD AF is defined as a “type of classified product”. Its classifications is valid for the following end use application:

EN 13162:2012+A1:2015: Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification

EN 14303:2009+A1:2013: Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products - Specification

2.2. Description:

RAVABER STONEWOOL BOARD AF is fully described in the test reports in support of the classification listed in clause 3.

Manufactured Plant: RBS RAVAGO İNŞAAT YALITIM ÜRÜNLERİ A.Ş.
Organize Sanayi Bölgesi 20. Cad. No: 54, Melikgazi, Kayseri / TURKEY

Tested product types:

Product Name	Density [kg/m ³]	Thickness [mm]	Surface coating			
			Type	Mass per unit area [g/m ²]	Thickness (µm)	
RAVABER STONEWOOL BOARD AF	70	25	Al foil (front side)	Fibre-glass scrim	16	18
				PE film	25	

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	RBS RAVAGO İNŞAAT YALITIM ÜRÜNLERİ A.Ş.	FTST20757	EN 13823:2020
		FTST20758	EN ISO 11925-2:2020
		FTST20759	EN ISO 11925-2:2020

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3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
EN 13823	FIGRA _{0,2 MJ} (W/s)	3	1,7	(-)
	LFS > edge	3	(-)	No
	THR _{600 s} (MJ)	3	0,6	(-)
	SMOGRA (m ² /s ²)	3	0,0	(-)
	TSP _{600 s} (m ²)	3	8,3	(-)
	Flaming droplet(s)/particle (s)	3	(-)	No
EN ISO 11925-2 Flame exposition: 30 s	F _s ≤ 150 mm ⁽¹⁾	6	(-)	Yes
	ignition of filter paper ⁽¹⁾	6	(-)	No
	F _s ≤ 150 mm ⁽²⁾	6	(-)	Yes
	ignition of filter paper ⁽²⁾	6	(-)	No

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

Test method	Parameter	Parameter	Compliance parameters
EN 13823	FIGRA _{0,2 MJ} [W/s]	1,7	≤ 120 (B)
	THR _{600s} [MJ]	0,6	≤ 7,5 (B)
	LFS < edge	(-)	Yes (B)
	SMOGRA [m ² /s ²]	0,0	≤ 30 (s1)
	TSP _{600s} [m ²]	8,3	≤ 50 (s1)
	Flaming droplet(s)/particle (s)	No	No (d0)
EN ISO 11925-2	F _s ≤ 150 mm	Yes	Yes (B – D)
	ignition of filter paper	No	No (d0)

(-): Not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.2 and 11.10.1 of EN 13501-1:2018

4.2. Classification

RAVABER STONEWOOL BOARD AF, 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 *RAVABER STONEWOOL BOARD AF* is:

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

Reaction to fire classification: B-s1,d0

4.3. Direct field of application

This classification is valid for the following product parameters:

Product Name	Density [kg/m ³]	Thickness [mm]	Surface coating			
			Type	Mass per unit area [g/m ²]	Thickness (µm)	
RAVABER STONEWOOL BOARD AF	70	25	Al foil (front side)	Fibre-glass scrim	16	18
				PE film	25	

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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:

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Tuğçe AKOĞLAN

Person in the charge of tests



Approved:

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Ali BAYRAKTAR

Laboratory Manager