



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
Prepared by	: EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş. Dilovası OSB Mah. Fırat Cad. No: 18 Dilovası, Kocaeli / TURKEY
Product name	: RAVABER STONEWOOL PIPE INSULATION PRODUCT
Classification report No.	: ERA - 21 - 161
Issue Number	: 1/2
Date of issue	: 02.11.2021

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

1. INTRODUCTION

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

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

RAVABER STONEWOOL PIPE INSULATION PRODUCT is defined as a “type of classified product”. Their classifications are 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 PIPE INSULATION PRODUCT 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]	Organic matter content [kg/m ³]	Inner diameter (mm)
RAVABER STONEWOOL PIPE INSULATION PRODUCT	110	50	2,5	22

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.	FTST20755	EN ISO 1716:2018
		FTST20756	EN ISO 1182:2020

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
EN ISO 1716	PCS (MJ/kg)	3	0,73	(-)
EN ISO 1182	ΔT (°C)	5	3,43	(-)
	Δm (%)	5	0,83	(-)
	t_f (s)	5	0,0	(-)

(-): Not applicable

Test method	Parameter	Parameter	Compliance parameters
EN ISO 1716	PCS [MJ/kg]	0,73	≤ 2 (A1 _L)
EN ISO 1182	ΔT (°C)	3,43	≤ 30 (A1 _L)
	Δm (%)	0,83	≤ 50 (A1 _L)
	t_f (s)	0,0	$= 0$ (A1 _L)

(-): Not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 13.8.1 of EN 13501-1:2018

4.2. Classification

RAVABER STONEWOOL PIPE INSULATION PRODUCT, in relation to their reaction to fire behaviour is classified:

A1_L

The additional classification in relation to smoke production is:

not classified

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

not classified

The format of the reaction to fire classification for *RAVABER STONEWOOL PIPE INSULATION PRODUCT* is:

Fire behaviour		Smoke production			Flaming droplets	
A1 _L	-	s	Not classified	,	d	Not classified

Reaction to fire classification: A1_L

4.3. Extended field of application

This classification is valid for the following product parameters:

Product Name	Density [kg/m ³]	Thickness [mm]	Organic matter content [kg/m ³]	Inner diameter (mm)
RAVABER STONEWOOL PIPE INSULATION PRODUCT	Without limitation	Without limitation	≤ 2,5	Without limitation

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:

Tuğçe AKOĞLAN

Person in the charge of tests



Approved:

Ali BAYRAKTAR

Laboratory Manager