EFECTİS 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 13501-1:2007+A1:2009

Sponsor	: HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ. İncesu O.S.B. Sultansazı Mah. 2. Cad. NO:11 İncesu, KAYSERİ/TURKEY
Prepared by	: EFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş. TOSB TAYSAD Organize San. Böl. 1. CD. 15. Yol No: 1 Şekerpınar - Çayırova KOCAELİ, TURKEY
Product name	: TERRAWOOL YALITIM LEVHASI TW150
Classification report No.	: ERA - 16 - 109
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1. INTRODUCTION

This classification report defines the classification assigned to *"TERRAWOOL YALITIM LEVHASI TW150"* in accordance with the procedures given in EN 13501-1:2007+A1:2009

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

TERRAWOOL YALITIM LEVHASI TW150 is defined as a „type of classified product". Its classification 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

2.2. Description:

TERRAWOOL YALITIM LEVHASI TW150 is fully described in the reports in support of the classification listed in clause 3. Properties of tested product types are as indicated below:

Manufactured Plant: HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ.

İncesu O.S.B. Sultansazı Mah. 2. Cad. NO:11 İncesu, KAYSERİ/TURKEY

Tested product types

Product name	Density [kg/m³]	Organic content (kg/m³)	Thickness (mm)	Constituent
TERRAWOOL YALITIM LEVHASI TW150	150	5,55	30	Stone wool, binder

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3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method
EFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ.	FTST16446	EN ISO 1716:2010
		FTST16447	EN ISO 1182:2010
		FTST16448	EXAP according to CEN/TS 15117:2005

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
TS EN ISO 1182	ΔT (°C) Δm (%) t_f (s)	5	4,33 2,9 0,0	(-) (-) (-)
TS EN ISO 1716	PCS (MJ/kg)	4	0,84	(-)
(-): Not applicable				

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 1182	ΔT (°C) Δm (%) t_f (s)	4,33 2,9 0,0	≤ 30 (A1) ≤ 50 (A1) = 0 (A1)
TS EN ISO 1716	PCS (MJ/kg)	0,84	≤ 2 (A1)
(-): Not applicable			

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.8.2 of EN 13501-1:2007+A1:2009

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4.2. Classification

TERRAWOOL YALITIM LEVHASI TW150, in relation to its reaction to fire behaviour is classified:

A1

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 *TERRAWOOL YALITIM LEVHASI TW150* is:

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

Reaction to fire classification: A1

4.3. Direct Field of application

This classification is valid for the following product parameters:

Product	Thickness (mm)	Density [kg/m³]	Organic content (kg/m³)	Surface coating	
				Type	Mass per unit area
TERRAWOOL YALITIM LEVHASI TW150	30	150	5,55	Uncoated	

4.4. Extended field of application

Product	Thickness (mm)	Density [kg/m³]	Organic content (kg/m³)	Surface coating	
				Type	Mass per unit area
TERRAWOOL YALITIM LEVHASI TW150	Without limitation		≤ 5,55	Uncoated	

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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:

Ali BAYRAKTAR
Person in charge of test

TEST VE BELGELENDİRME A.Ş. efectis era

Approved:

Onur DAĞ
Operation Manager