

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

**Product name** : TERRAWOOL YALITIM LEVHASI TW40

**Classification  
report No.** : ERA - 16 - 110

**Issue Number** : 1/2

**Date of issue** : 31.10.2016

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 "TERRAWOOL YALITIM LEVHASI TW40" in accordance with the procedures given in EN 13501-1:2007+A1:2009

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General:

TERRAWOOL YALITIM LEVHASI TW40 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 TW40 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/m <sup>3</sup> ]	Organic content (kg/m <sup>3</sup> )	Thickness (mm)	Constituent
TERRAWOOL YALITIM LEVHASI TW40	40	1,2	50	Stone wool, binder



### 3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

#### 3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method
EFFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ.	FTST16449	EN ISO 1716:2010
		FTST16450	EN ISO 1182:2010

#### 3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
TS EN ISO 1182	$\Delta T$ (°C)	5	1,89	(-)
	$\Delta m$ (%)		2,5	(-)
	$t_f$ (s)		0,0	(-)
TS EN ISO 1716	PCS (MJ/kg)	4	0,66	(-)

(-): Not applicable

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 1182	$\Delta T$ (°C)	1,89	$\leq 30$ (A1)
	$\Delta m$ (%)	2,5	$\leq 50$ (A1)
	$t_f$ (s)	0,0	$= 0$ (A1)
TS EN ISO 1716	PCS (MJ/kg)	0,66	$\leq 2$ (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



**4.2. Classification**

*TERRAWOOL YALITIM LEVHASI TW40*, 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 TW40* 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/m <sup>3</sup> ]	Organic content (kg/m <sup>3</sup> )	Surface coating	
				Type	Mass per unit area
TERRAWOOL YALITIM LEVHASI TW40	50	40	1,2	Uncoated	



## 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



Approved:

Onur DAĞ  
Operation Manager