

CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH EN

13501-1:2018

Sponsor : HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE
TİC. LTD. ŞTİ.
İncesu O.S.B. Sultansazı Mah. 2. Cad. No: 11, Melikgazi,
Kayseri, TURKEY

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Product name : Terrawool Industrial Blanket

**Classification
report No.** : ERA – 20 – 217

Issue Number : 1/2

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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 Industrial Blanket*” in accordance with the procedures given in EN 13501-1:2018

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

Terrawool Industrial Blanket is defined as a “type of classified product”. Its classification is valid for the following end use application:

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

2.2. Description:

Terrawool Industrial Blanket - 50 mm is fully described in the test reports in support of the classification listed in clause 3.

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

Product Name	Density [kg/m ³]	Thickness [mm]	Organic matter Content [kg/m ³]	Surface type
<i>Terrawool Industrial Blanket 50 mm</i>	80	50	0,70	Rabitz wire

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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 and date Field of application rules and date
EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ.	FTST20765	EN ISO 1716:2018
		FTST20766	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)	4	0,25	(-)
EN ISO 1182	ΔT (°C)	5	9,0	(-)
	Δm (%)	5	0,15	(-)
	t_f (s)	5	0,0	(-)
(-): Not applicable				

Test method	Parameter	Parameter	Compliance parameters
EN ISO 1716	PCS [MJ/kg]	0,25	≤ 2 (A1)
EN ISO 1182	ΔT (°C)	9,0	≤ 30 (A1)
	Δm (%)	0,15	≤ 50 (A1)
	t_f (s)	0,0	$= 0$ (A1)
(-): Not applicable			

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4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.8.1 of EN 13501-1:2018

4.2. Classification

Terrawool Industrial Blanket, 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 Industrial Blanket* is:

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

Reaction to fire classification: A1

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]	Surface type
<i>Terrawool Industrial Blanket</i>	Without limitation	Without limitation	≤ 0,70	Rabitz wire

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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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Uğur ÇAVAŞ
Person in the charge of tests



Approved:

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Ali BAYRAKTAR
Laboratory Manager