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**EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.**  
Dilovası OSB Mah. Fırat Cad. No: 18 Dilovası / KOCAELİ

**DENEY RAPORU**  
TEST REPORT

AB-0556-T

FTST20773

26.12.2020

**Müşterinin adı/adresi** : HİS YALITIM İZOLASYON İNŞAAT MADENCİLİK SAN. VE TİC. LTD. ŞTİ.  
*Customer name/address* İNCESU O.S.B. SULTANSAZI MAH. 2. CAD. NO:11, MELİKGAZİ,  
KAYSERİ, TURKEY

**İstek numarası** : EEA-20-000706-REV  
*Order No.*

**Numunenin adı ve tanımı** : Terrawool Insulation Board TWCT50  
*Name and identity of test sample*

**Numunenin kabul tarihi** : 02.10.2020  
*The date of receipt of sample*

**Açıklamalar** :  
*Remarks*

**Deneyin yapıldığı tarih** : 08.12.2020, 09.12.2020  
*Date of test*

**Raporun sayfa sayısı** : 3  
*Number of pages of the Report*

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report

**Mühür**  
*Seal*

**Tarih**  
*Date*

**Deney Sorumlusu**  
*Person in charge of test*

**Laboratuvar Müdürü**  
*Head of Testing Laboratory*



26.12.2020

Uğur ÇAVAŞ

Ali BAYRAKTAR

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürsüz raporlar geçersizdir.

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## TEST REPORT

### on Fire and Technical Characteristics

Our ref.: EEA-20-000706-REV

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

#### TEST ITEM

**Product name** : Terrawool Insulation Board TWCT50

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

**Composition** : Stone wool, binders, black glass tissue

**Appearance** : Density of the stone wool insulation board is 50 kg/m<sup>3</sup> and thickness is 50 mm. Front side of the board is faced with the black glass tissue. Mass per unit area of the glass tissue is 60 g/m<sup>2</sup> and thickness is 30 µm. Organic matter content of stone wool is 1,5 kg/m<sup>3</sup>.

**Date of receipt of the sample:** 02.10.2020

**Date of realization of tests:** 08.12.2020, 09.12.2020

**Sampling:** The samples were delivered by the sponsor.

**TEST METHOD:** EN ISO 1716:2018

**Conditioning:** According to the EN 13238:2010, Article 4.3.c, (23 ± 2) °C and % (50 ± 5) relative humidity.

**Water equivalent of the calorimeter:** 0,010 MJ/K



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**MEASURED VALUES AND THE TEST RESULTS**

The component amounts used for the calculations:

Stone wool: 2500 g/m<sup>2</sup>Black glass tissue: 60 g/m<sup>2</sup>The product as a whole: 2560 g/m<sup>2</sup>

Date of tests	Fire technical characteristics	Measured values			Results	Expanded uncertainty
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>		
09.12	PCS [ MJ/kg ] <sup>(1)</sup>	1,33	1,20	1,28	1,27	0,18
08.12	PCS [ MJ/kg ] <sup>(2)</sup>	5,77	5,57	5,70	5,68	0,20
08.12	PCS [ MJ/m <sup>2</sup> ] <sup>(2)</sup>	0,35	0,33	0,34	0,34	0,16
(-)	PCS [ MJ/kg ] <sup>(3)</sup>	1,43	1,31	1,39	1,38	0,18

(-): Not applicable

(1): Stone wool  
(2): Black glass tissue  
(3): The product as a whole

**Conclusion:**

The mentioned expanded uncertainty is obtained by multiplying the standard uncertainty by a coverage factor k=2, which corresponded to a level of confidence of 95 %.

The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing.

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Brand, type, quality and dimension information of the components, when it is not possible to be verified by the laboratory, are given according to the sponsor's declaration and the responsibility belongs to the sponsor. The test specimens are tested as received from the sponsor (when the laboratory does not carry out sampling).



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