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

AB-0556-T

FTST20766

26.12.2020

DENEY RAPORU

TEST REPORT

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 tarifi : Terrawool Industrial Blanket – 50 mm
Name and identity of test sample

Numunenin kabul tarihi : 02.10.2020
The date of receipt of sample

Açıklamalar :
Remarks

Deneyin yapıldığı tarih : 09.12.2020
Date of test

Raporun sayfa sayısı : 3 (4 pages including appendixes)
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

26.12.2020

Deney Sorumlusu
Person in charge of test

Uğur ÇAVAŞ

Laboratuvar Müdürü
Head of Testing Laboratory

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: İZOCAM TİC. SAN. VE A.Ş.

Altayçeşme Mh. Çamlı Sk. No:21, Kat: 5 34843, Maltepe, İstanbul, TURKEY

TEST ITEM

Product name : Terrawool Industrial Blanket – 50 mm

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, rabbit wire

Appearance : Cylindrical test pieces in dimensions of ca 45 mm diameter and ca 50 mm height were prepared from stone wool board that has a density of 80 kg/m³, thickness of 50 mm. Organic matter content of stone wool is 0,70 kg/m³.

Date of receipt of the sample: 02.10.2020 **Date of realization of tests:** 09.12.2020

Sampling: The samples were delivered by the sponsor

TEST METHOD: EN ISO 1182:2020

Calibration results: See appendix 1

Conditioning: According to the EN 13238:2010, Article 4.3.c, (23 ± 2) °C and % (50 ± 5) relative humidity. Dried for 20 – 24 hours prior the test at the temperature 60 °C.



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MEASURED VALUES AND TEST RESULTS							
Test sample no.	1	2	3	4	5	Ø	Expanded uncertainty
Test date	09.12	09.12	09.12	09.12	09.12		
$\Delta T_{\text{furnace}}$ [°C]	11,9	4,5	12,9	5,8	9,7	9,0	3,4
ΔT_{center} [°C]	(-)	(-)	(-)	(-)	(-)	(-)	(-)
$\Delta T_{\text{surface}}$ [°C]	(-)	(-)	(-)	(-)	(-)	(-)	(-)
t_f [s]	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Δm [%]	0,07	0,08	0,10	0,45	0,06	0,15	0,4
Behaviour during the tests: No flaming on the samples was observed.							
<i>Annotation : (-): data was not determined / measured</i>							

Conclusion:

The substantial component of “Terrawool Industrial Blanket – 50 mm” gives the average furnace thermocouple temperature rise 9,0 °C, the average mass loss % 0,15 and the mean duration of sustained flaming 0 s. 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).



Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürsüz raporlar geçersizdir.

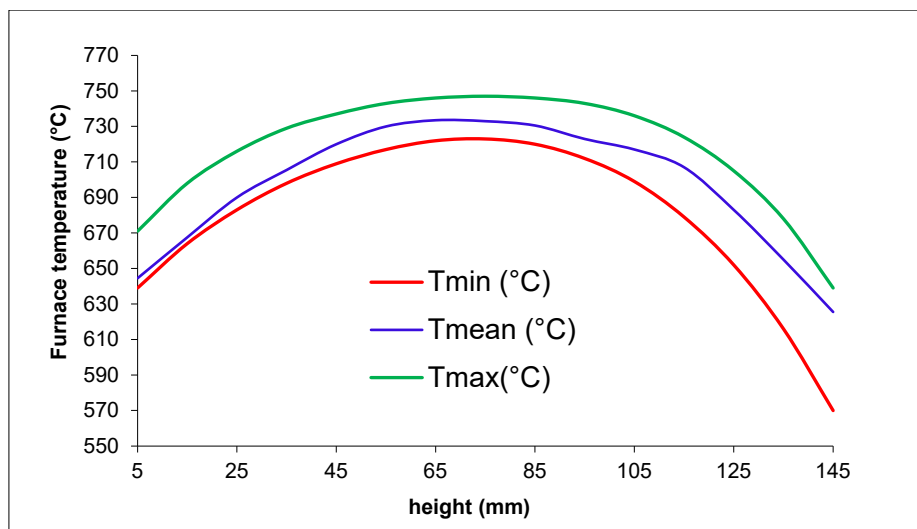
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Furnace wall temperature[°C] :

Temperature(°C)	Axis 1(0°)	Axis 2(120°)	Axis 3(240°)	Axis _{avg}	T _{avg} (°C)
Level 1(+30 mm)	799	796	786	794	796
Level 2(0 mm)	805	799	792	799	
Level 3(-30 mm)	804	799	784	796	

	Calculation	Remark	Result
T _{avg.dev.axis}	0,22	≤ 0,5 %	VALID
T _{avg.dev.level}	0,73	≤ 1,5 %	VALID
T _{avg.level 1}	794	1 ≤ 3	VALID
T _{avg.level 3}	796		

Furnace temperature profile :



Furnace height [mm]	T min [°C]	T max [°C]	T down [°C]	T up [°C]	T avg [°C]
145	639	671	642	647	645
135	664	698	667	668	668
125	683	716	692	688	690
115	698	729	706	705	706
105	709	737	717	723	720
95	717	743	728	732	730
85	722	746	732	735	734
75	723	747	733	733	733
65	720	746	732	729	731
55	712	743	725	721	723
45	699	736	715	719	717
35	679	724	705	709	707
25	652	705	686	680	683
15	616	678	654	656	655
5	570	639	624	627	626

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