



TÜRK STANDARDLARI ENSTİTÜSÜ
DENEY ve KALİBRASYON
MERKEZİ BAŞKANLIĞI
Yapı Malzemeleri Yangın ve Akustik
Laboratuvarı Müdürlüğü



TURKISH STANDARDS INSTITUTION
HEADSHIP OF TEST and CALIBRATION CENTER
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AB-0001-T

545818

08-20

MUAYENE VE DENEY RAPORU
TEST REPORT

Deneyi Talep Eden/Firma : EPSBLOCK YAPI A.Ş.
(Adı,Adresi,Şehir vb.) (EPSBLOCK YAPI A.Ş. ZEYTİNLİ MAH. 94030 SK. NO:9/A Seyhan-ADANA)
Requesting/Customer
(Name,Address, City etc.)

Deney Talep Tarihi/No : 10.07.2020 / 417585
Order Date / No

Numunenin Tanımı : 610508,İÇ KISMINDA ANA ÜRÜNLER OLARAK EPS VE ÇİMENTO VARDIR (EPSBLOCK),DIŞ KISMI
(No,Cins, Marka, Tip, Tür, Model vb.) İSE FİBERCEMENT LEVHALARLA KAPLI YALITIMLI DUVAR PANELİ, LIFEPAN LP-75, , - , - , 1.00
Sample Description(No,Type,Model etc.) 610508,There are EPS and Cement as the Main Products on the Inner Part (EPSBLOCK), and the Insulated Wall Panel Covered with Fibercement Boards on the Outer.,LIFEPAN LP-75,,,1,00 item

Numune Kabul Tarihi : 10.07.2020
Test Item Receipt Date

Deneylerin Yapıldığı Tarih : 10.07.2020 - 21.08.2020
Date of Test

Uygulanan Standard / Metod : TS EN 12664: 2009-02 YAPI MALZEMELERİ VE MAMULLERİ - ISIL
Applied Standard/Method DİRENCİN,KORUMALI TABLALI ISITICI VE ISI AKI ÖLÇERİN KULLANILDIĞI METOTLARLA TAYİNİ - ISIL DİRENCİ ORTA VE DÜŞÜK SEVİYEDE OLAN KURU VE RUTUBETLİ MAMULLER
TS EN 12664: 2009-02 Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance

Raporun Sayfa Sayısı : 3
Number of pages of the report

Açıklamalar :
Remarks

Deney laboratuvarları olarak faaliyet gösteren TSE Deney ve Kalibrasyon Merkezi Başkanlığı Deney Laboratuvarları TÜRKAK'tan AB-0001-T ile TS EN ISO/IEC 17025:2012 standardına göre akredite edilmiştir.
TSE Headship of Test and Calibration Center Testing Laboratories accredited by TÜRKAK under registration number AB-0001-T for TS EN ISO/IEC 17025:2012 as test laboratory.

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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.

Numune müşteri tarafından alınmıştır, bu rapordaki sonuçlar numunenin teslim alındığı hali için geçerlidir. Bu rapor özel deney talebine istinaden düzenlenmiş olup, Standartlara Uygunluk Belgesi niteliğinde değildir. Partiyi temsil etmez, Piyasa Gözetim ve Denetim Faaliyetlerine esas oluşturamaz, ilan, reklam ve ihalelerde 6102 sayılı Türk Ticaret Kanunu'nun 54. ve 55. Maddelerinde yer alan haksız rekabet hükümlerine aykırılık teşkil edecek şekilde kullanılamaz. Söz konusu hususlara aykırı hareket edilmesi halinde hukuki ve cezai açıdan TSE sorumlu tutulamaz.

Mühür
Seal

Tarih
Date

Deney Sorumlusu
Person in charge of tests

Muhammed Ali DEMİR
Deney Personeli
Testing Expert

Onaylayan
Approved by

Halil Alper YILDIRIM
Laboratuvar Müdürü V.
Laboratory Manager Dep.

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Bu rapor, sadece deneyi yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.

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MUAYENE - DENEY SONUÇLARI TEST RESULTS

Request No : 417585
Sample No : 610508
Brand ^a : "LIFEPAN LP-75"
Product Code ^a : "-"
Sample Description ^a : There are EPS and Cement as the Main Products on the Inner Part (EPSBLOCK), and the Insulated Wall Panel Covered with Fibercement Boards on the Outer.
Inspection Type : Special Test Request
Laboratory Conditions : (23±1)°C Temperature, (50±1)% Relative Humidity.

^a: Client declaration.

Applied Test Methods	
Number	Standard Title
TS EN 12664:2009	Thermal Performance of Building Materials and Products - Determination of Thermal Resistance By Means of Guarded Hot Plate and Heat Flow Meter Methods - Dry and Moist Products Of Medium and Low Thermal Resistance

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Test Completion Date: 21-Aug-2020

Temperature Difference Between the Surfaces of Test Sample (K)	Mean Temperature (°C)	Thermal Conductivity, λ [W/(m.K)]
10,0	10,0	0,128

Density of Test Sample Before Test (kg/m³) : 502,8 kg/m³

Conditioning of test sample before test: Test sample conditioned at (23±2)°C and (50±5)% RH until become constant weight.

Details of Test		
Product Standard of Test Sample		-
Characteristics of Apparatus	Type of Apparatus and Device	Single specimen testing apparatus
	Used Test Device	Guarded Hot Plate (GHP)
	Method of Reduce Edge Heat Losses	Since Measured "e" value =0,5, Edge Heat Loss Error is zero.
	Position of Test Specimen	Horizontal
	Hot Surface Position of Test Specimen	Top
	Direction of Heat Flow	Downwards
Before Test	Specimen Width (mm)	496
	Specimen Length (mm)	496
	Specimen Thickness Measured by Device (m)	0,0745
	Applied Load by Plates of Testing Device to Specimen Surfaces (N)	150
	Relative Mass Change During Conditioning, Δm_c	0,059
	Ambient Temperature Surrounding the Device During Test (°C)	23 ± 2
	Ambient Temperature Surrounding the Test Specimen during Test (°C)	10 ± 1
	Use of Contact Sheets	Not Used.
Characteristics of Water Vapour Tight Envelopes		Not Used.



MUAYENE - DENEY SONUÇLARI TEST RESULTS

After Test	Specimen Thickness Measured by Device (m)	0,0745
	Relative Mass Change During Test, Δm_w	0,000054
	Thickness Change During Test	0,0
	Volume Change During Test	0,0
	Duration of Full Test	2 saat
	Duration of Steady State Part of Test (If product standard consider it necessary)	-
	Density of Heat Flow Rate (W/m ²)	17,20
	Thermal Resistance, R (m ² .K/W) ^a	0,582

^a Thermal Resistance Value only valid for measured specimen thickness.

End of the test report.

