

TÜRKAK - TÜRK AKREDİTASYON KURUMU tarafından akredite

Accredited by TÜRKAK

TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI

Elektroteknik ve Kimya Laboratuvarları Grup Başkanlığı

Ege Bölge Laboratuvarları Müdürlüğü

Adres: 8780/1 sokak No:5 Çiğli/İZMİR

Tel:+90 (232) 376 24 25 Fax: +90 (232) 386 15 10 E-posta:egebolgelab@tse.org.tr Web:www.tse.org.tr

HEADSHIP OF TSE TEST and CALIBRATION CENTER
AEGEAN REGIONAL LABORATORIES (İZMİR)

Address:8780/1 sokak No:5 Çiğli/İZMİR

Tel +90 (232) 376 24 25 Fax: +90 (232) 386 15 10 E-mail:egebolgelab@tse.org.tr Web:www.tse.org.tr



Test
TS EN ISO IEC 17025
AB-0001-T

AB-0001-T

286629

02-16

MUAYENE VE DENEY RAPORU TEST REPORT

Deneysel Talep Eden (Adı, Adresi, Şehir vb.)	:	SİSTEM METAL YAPI REKLAM MALZEMELERİ VE İNŞAAT SAN. VE TİC. LTD. ŞTİ.
<i>Customer (Name, Address, City etc.)</i>		Hatip Mah. Ali Osman Çelebi Bul. No. 140 Çorlu --TEKİRDAĞ
Deneysel Talep Tarihi/No <i>Order Date / No</i>	:	10.02.2016 / 146474
Numunenin Tanımı (Cins, Marka, Tip, Tür, Model vb.)	:	ALUMİNYUM KOMPOZİT PANEL, ALBOND, A2, -, -, -, 0,00 -
<i>Sample Description (Type, Mark, Model etc.)</i>		ALUMINIUM COMPOSITE PANEL, ALBOND, A2, -, -, -, 0,00 -
Numune Kabul Tarihi <i>Test Item Receipt Date</i>	:	10.02.2016
Deneysel Yapıldığı Tarih <i>Date of Test</i>	:	12.02.2016 - 12.02.2016
Uygulanan Standard / Metod <i>Applied Standard/Method</i>	:	TS EN 13823+A1 :2018-01 Yapı ürünleri için yangına tepki deneyleri-Tek bir yakma unsuru ile ısı etkiye maruz kalan döşemeler haricindeki yapı ürünleri TS EN 13823+A1 :2018-01 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
Raporun Sayfa Sayısı <i>Number of pages of the report</i>	:	9
Açıklamalar <i>Remarks</i>	:	İşbu rapor 218538/05.2014 no ve tarihli raporun İngilizce çevirisidir.

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma antlaşmasını imzalamıştır.

The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation(EA) and of the International Laboratory Accreditation(ILAC) for the Mutual recognition of test reports.

Deneysel ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deneysel metodları bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

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.



Deneysel Sorumlusu
Person in charge of tests

[Signature]
Özcan ÖZDEMİR
Mühendis

Onaylayan
Approved by

[Signature]
Özcan ÖZDEMİR
Laboratuvar Müdürü V.

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.

Bu rapor, sadece deneysel yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.

This test report shall not be reproduced other than in full except with the written permission of the laboratory. Test reports without signature and seal are not valid.

This test report represents only tested sample(s), and shall not be used as Product Certificate



TS EN 13823:2010
REACTION TO FIRE TESTS FOR BUILDING PRODUCTS - BUILDING PRODUCTS
EXCLUDING FLOORINGS EXPOSED TO THE THERMAL ATTACK BY A SINGLE
BURNING ITEM

Calibration and Testing Center of TSE
Head of Electrotechnical and Mechanical Laboratories Group
Directorate of Ex Laboratory

Address/ Addresses : 8780\1 Sok. No:5
Tariş Pamuk Depoları Arkası Çiğli / İZMİR

Decisions to be Taken in Consequence of Inspections and Tests :

If Related Rule/Test not necessary to be applied to the Specimen (Unapplied to Specimen) : US
If the Tested Specimen Conforms to the Rules (Passed) : P
If the Tested Specimen does not conform to the Rules (Failed) : F
If there is a Rule/Test that could not be Applied due to Any Reason (Undone) : U

General Evaluations :

- This report is prepared as three copies.
- This report may not be reproduced partly without permission of TSE.
- This report is valid only for the tested specimen(s).
- "See the remark" refers to the remark given in the annex of the report .
- "See the attached table" refers to the table given in the annex of the report.
- In this report, decimals are seperated by a dot.
- Each page of the report is initialled by the person(s) who conducted the test, and bears the blue seal of the unit.
Unsigned and unsealed reports are invalid.

SİSTEM METAL YAPI REKLAM MALZ. VE İNŞ.SAN.TİC.A.Ş.

COMPANY DECLARATIONS : ALUMINIUM COMPOSITE PANEL

4mm panel thickness: bottom 0.5 mm thickness aluminum plate + 3mm composite fillings + top
0.5mm thickness painted aluminum sheet



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

This report shall not be reproduced other than in full except with the permission of the laboratory. Test reports without signature and seal are not valid.





1. DEFINITION OF THE TEST METHOD

Tests were carried out in accordance with TS EN 13823 : January 2011 - Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item standard.

2. DEFINITION OF SPECIMEN

Arrival date of the specimen: 02.05.2014

Definition of the specimen : **ALUMINIUM COMPOSITE PANEL**

Name of the company that produced the specimen: **SİSTEM METAL YAPI REKLAM MALZ. VE İNŞ.SAN.TİC.A.Ş.**

Production date of the specimen: -

Name of the company that requested testing: **SİSTEM METAL YAPI REKLAM MALZ. VE İNŞ.SAN.TİC.A.Ş.**

Trademark of the specimen: "**ALBOND**" Trademark "**A2**" Product Code (Company Statement)

Company Declarations :

Specimen:	Nominal Values (*)	Measured Values (**)
Thickness (mm)	4 mm bottom 0.5 mm aluminum + 3mm composite fillings + top 0.5mm aluminum	4,1 mm bottom 0.48 mm aluminum + 3,14 mm composite fillings + top 0.48mm aluminum
Unit area mass (g/m ²)		
Density (kg/m ³)		

(*) Values declared by the company

(**) Values verified by the laboratory

Beginning of conditioning : 02.05.2014

End of conditioning : 09.05.2014 (TS EN 13238 Clause 4.2. Constant Mass)



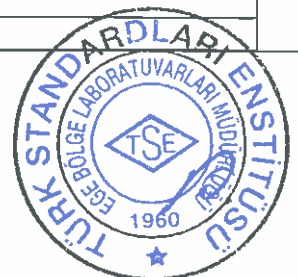


PRODUCT DESCRIPTION (Stated by sponsor)

General description	A2 Fireproof Aluminum Composite Panel	
Product reference of composite	ALBOND A2 Aluminum Composite Panel	
Name of manufacturer	SİSTEM METAL YAPI REKLAM MALZEMELERİ VE İNŞAAT SAN. TİC. A.Ş.	
Colour reference of composite	Bright Silver	
Thickness of composite	4mm (Declared) 4,1mm (Measured)	
Weight per unit area of composite	7.92 kg/m ²	
Product configuration	Inorganic mineral core in the middle of the top and bottom Aluminium sheets surfaces	
Coating (test face)	Product reference	PVDF
	Generic type	PVDF Paint Coating
	Name of manufacturer	ALCOAT/BECKERS
	Colour reference	Bright Silver
	Number of coats	2-Layer Paint Coating
	Specific gravity	- Note 1.
	Application rate per coat	26 µ
	Application thickness per coat	6µ+20 µ =26 µ (Declared) 3 µ + 26 µ (Measured)
	Application method	Roll Merdane Application
	Curing process	-- Note 1.
Flame retardant details	-- Note 1.	
Aluminium	Product reference	Aluminium
	Generic type	3105
	Name of manufacturer	-- Note 1.
	Thickness	0.50mm (Declared) 0,48mm (Measured)
	Weight per unit area	1,35 kg/m ² (x2 top-bottom)
	Flame retardant details	-- Note 1.
Adhesive	Product reference	Adhesive film
	Generic type	Polietilen (PE)
	Name of manufacturer	-- Note 1.
	Thickness	80 µ
	Weight per unit area	0,075 kg/m ²
	Application method	-- Note 2.
Flame retardant details	-- Note 1.	
Core	Product reference	Inorganic mineral filler
	Generic type	Inorganic
	Name of manufacturer	Sistem Metal A.Ş
	Thickness	3mm (Declared) 3,14mm (Measured)
	Weight per unit area	5,20 kg/m ²
	Specific gravity	1,72
Flame retardant details	-- Note 2.	

Note 1. This value has not been declared by the Company.

Note 2. This statement has not been declared by the Company.





3. CALIBRATION RESULTS

Latest calibration date :

05.05.2014 STEP CALIBRATION
19.02.2014 HEPTANE CALIBRATION
19.02.2014 NOİSE AND DRIFT CALIBRATION
19.02.2014 VELOCITY PROFILE MEASURING

Calibration validity date : 05.06.2014

4. RESULTS AND OBSERVATIONS

Date of test : 09.05.2014

Ambient pressure : 103000 Pa

Ambient relative humidity :50 %

Ambient temperature : 23 °C

a) Measured Values

Numbers of test specimen:	M1	M2	M3
FIGRA value 0,2(W/s)	0	0	0
THR600s (MJ)	0	0,1	0,1
SMOGRA value (m ² /s ²)	0	0	0
TSP600s (m ²)	19,9	23,6	25,5

b) Observations

Numbers of test specimen:	M1	M2	M3
Spread of lateral flame in long arm	Did not occur	Did not occur	Did not occur
Fiery bits or driblets f<10s f>10s	Did not occur	Did not occur	Did not occur
State of inflaming of the surface	Did not occur	Did not occur	Did not occur
Flow of smoke emitted by the specimen, coming out of the carriage car into the test room	Did not occur	Did not occur	Did not occur
Bits falling down from the specimen	Did not occur	Did not occur	Did not occur
Formation of gap in the corner (due to failure in fixing support panels)	Did not occur	Did not occur	Did not occur
Early ending of the test	Did not occur	Did not occur	Did not occur
Corruption of the specimen or formation of breakdown	Did not occur	Did not occur	Did not occur

c) Summary of test results:

Consequent to this test, it is not foreseen that there should be a single criterion in evaluating potential fire risk of a product in use related with the behaviour of test specimen of a product under special conditions that the test is conducted.

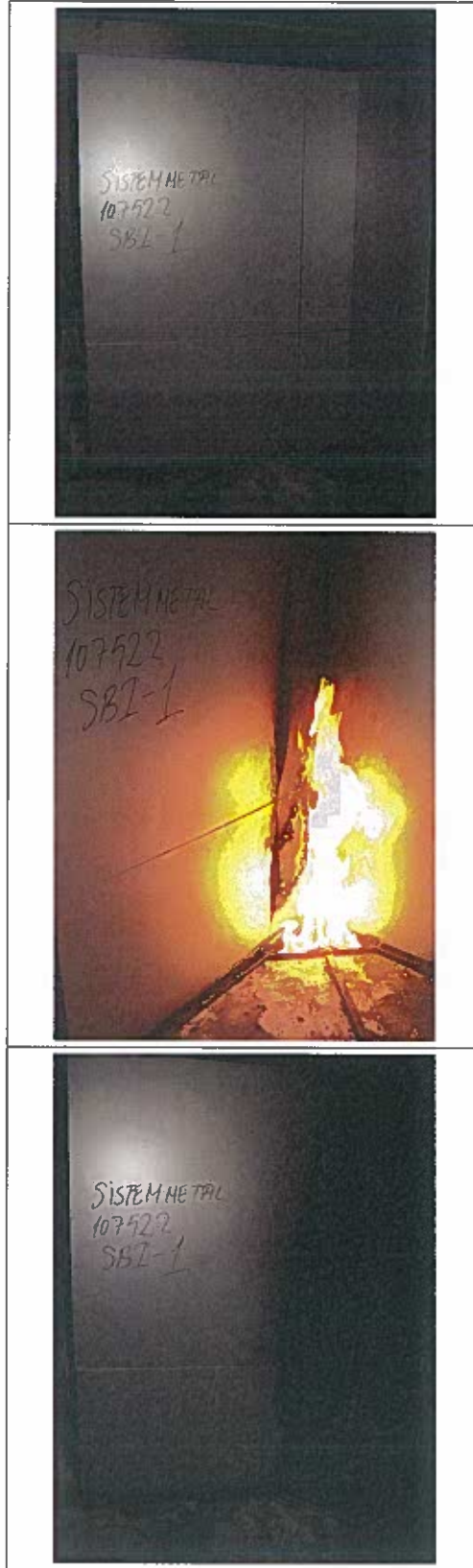
These test results are valid for the tested specimen.

Average FIGRA value 0,2 (W/s)	0
Average THR600s (MJ)	0,1
Average SMOGRA value (m ² /s ²)	0
Average TSP600s (m ²)	23,0
LFS<up to the edge (mm)	Did not occur
Burning driblets/bits ≤ 10 s	Did not occur
Burning driblets/bits > 10 s	Did not occur





- Photos of the test specimen -



Assembling Properties;

<p>1500x500mm Plate short wing</p>	<p>1500x1000mm Plate long wing, A) 996 mm x (196 + d) mm B) 996 mm x (796 - d) mm C) 496 mm x (196 + d) mm D) 496 mm x (796 - d) mm d) The thickness of the panel + distance to the support plate</p>

1500mmx1000mm long wing test specimen mounted with horizontal and vertical articulated 8mm gap.
 30mmx40mm steel profiles for the vertical parts and 30mmx25mm steel profiles for horizontal components used for fixing the plate. Pieces are fixed with screws.

40 mm air gap is left between support plate and (short and long) wing panels. (TS EN 13823 Clause 5.2.2 a. Panels which have ventilated cavity behind it in the end-use application.)

Surface profile geometry: flat



RESULT

*This test result relates to the behavior of the test sample is applied under special conditions.
This test result is not the only relevant criterion for the product's evaluation of a potential fire hazard.*

SİSTEM METAL YAPI REKLAM MALZ. VE İNŞ.SAN.TİC.A.Ş.

company that has produced "ALUMINIUM COMPOSITE PANEL"

* **Company declared values; "ALBOND"** Trademark "A2" Product Coded 4mm panel thickness: bottom 0.5 mm thickness aluminum plate + 3mm composite fillings + top 0.5mm thickness painted aluminum sheet samples tested according to TS EN 13823:January 2011 Standard.

This test report and test results given at TS EN 1716 topical 05.2014 dated / 218539 numbered test report;

COMPLY with TS EN 13501-1/April 2013 Table-1 A2 S1 d0 class criteria.





A2-Class Composite aluminium panel product description

General description	-- A2 Yanmaz Alüminyum Kompozit Panel	
Product reference of composite	--ALBOND A2 Alüminyum Kompozit Panel	
Name of manufacturer	-- SİSTEM METAL YAPI REKLAM MALZEMELERİ VE İNŞAAT SAN. TİC. A.Ş.	
Colour reference of composite	-- Bright Silver	
Thickness of composite	--4mm	
Weight per unit area of composite	--7.92 KG/M ²	
Product configuration	--Üst ve alt yüzey Alüminyum levha ortasında inorganik mineral core.	
Coating (test face)	Product reference	--PVDF
	Generic type	--PVDF Boya Kaplama
	Name of manufacturer	--ALCOAT/BECKERS
	Colour reference	--Bright Silver
	Number of coats	--2 Katmanlı Boya Kaplama
	Specific gravity	--
	Application rate per coat	--26 µ
	Application thickness per coat	--6µ±20 µ =26 µ
	Application method	--Roll Merdane Uygulama
	Curing process	--
Flame retardant details	--	
Aluminium	Product reference	--Alüminyum
	Generic type	--E105
	Name of manufacturer	--
	Thickness	--0.50MM
	Weight per unit area	--1,35 kg/m ² (x2 üst-alt)
	Flame retardant details	--
Adhesive	Product reference	--Adhesive film
	Generic type	--Polietilen (PE)
	Name of manufacturer	--
	Thickness	--80 µ
	Weight per unit area	--0,075 kg/m ²
	Application method	--
Flame retardant details	--	
Core	Product reference	--Inorganik mineral dolgu
	Generic type	--Inorganik
	Name of manufacturer	--Sistem Metal A.Ş
	Thickness	--3mm
	Weight per unit area	--5,20 kg/m ²
	Specific gravity	--1,72
	Flame retardant details	--

SİSTEM METAL YAPI
REKLAM MALZEMELERİ VE İNŞAAT SAN. TİC. A.Ş.
İstanbul - Şişli - Caddesi No: 47-45
Yık. Fakülte S. 70 Şişli No: 47-45
Marmara Üniv. 80670 Etiler Beşiktaş / İstanbul





TÜRKAK - TÜRK AKREDİTASYON KURUMU tarafından akredite
Accredited by TÜRKAK

TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Elektroteknik ve Kimya Laboratuvarları Grup Başkanlığı
Ege Bölge Laboratuvarları Müdürlüğü

Adres: 5780 Eskiak No 5 Çiğli - İZMİR
Tel: +90 (232) 376 21 25 Fax: +90 (232) 350 15 10 E-posta: egebolge@tse.org.tr Web: www.tse.org.tr

HEADSHIP OF TSE TEST and CALIBRATION CENTER
AEGEAN REGIONAL LABORATORIES (İZMİR)

Address: 5780 Eskiak No 5 Çiğli - İZMİR
Tel: +90 (232) 376 21 25 Fax: +90 (232) 350 15 10 E-mail: egebolge@tse.org.tr Web: www.tse.org.tr



Test
TS EN ISO IEC 17025
AB-0001-T

AB-0001-T

286633

02-16

MUAYENE VE DENEY RAPORU
TEST REPORT

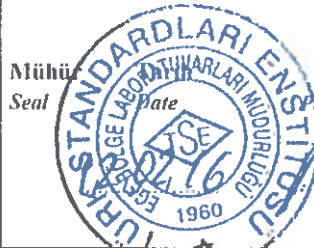
Deneyi Talep Eden (Adı, Adresi, Şehiri vb.)	:	SİSTEM METAL YAPI REKLAM MALZEMELERİ VE İNŞAAT SAN. VE TİC. LTD. ŞTİ.
Customer (Name, Address, City etc.)	:	Hatip Mah. Ali Osman Çelebi Bul. No. 140 Çorlu - TEKİRDAĞ
Deney Talep Tarihi/No Order Date / No	:	10.02.2016 / 146474
Numunenin Tanımı (Cins, Marka, Tip, Tür, Model vb.)	:	ALUMİNYUM KOMPOZİT PANEL, ALBOND, A2, . . . , 0.00 .
Sample Description (Type, Mark, Model etc.)	:	ALUMINUM COMPOSITE PANEL, ALBOND, A2, . . . , 0.00 .
Numune Kabul Tarihi Test Item Receipt Date	:	10.02.2016
Deneylerin Yapıldığı Tarih Date of Test	:	12.02.2016 - 12.02.2016
Uygulanan Standard / Metod Applied Standard / Method	:	TS EN ISO 1716 :2011-01 Yapı ürünlerinin yangına tepki deneyleri – Brüt yanma ısısının tayini (kalorifik değer) TS EN ISO 1716 :2011-01 Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)
Raporun Sayfa Sayısı Number of pages of the report	:	3
Açıklamalar Remarks	:	İşbu rapor 218539/05.2014 no ve tarihli raporun İngilizce çevirisidir.

Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanıma antlaşmasını imzalamıştır.

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

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

Deney Sorumlusu
Person in charge of tests

Özcan ÖZDEMİR
Mühendis

Onaylayan
Approved by

Özcan ÖZDEMİR
Laboratuvar Müdürü V.

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mülkiyetsiz raporlar geçerlidir.

Bu rapor, sadece deneyi yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.

This test report shall not be reproduced other than in full except with the written permission of the laboratory. Test reports without signature and seal are not valid.

This test report represents only tested sample(s), and shall not be used as Product Certificate.



TS EN ISO 1716 :2010 January 2011
REACTION TO FIRE TESTS FOR BUILDING PRODUCTS - DETERMINATION OF THE HEAT OF COMBUSTION
YAPI ÜRÜNLERİNİN YANGINA TEPKİ DENEYLERİ - YANMA ISISININ TAYİNİ

Test Laboratory / Laboratories : DKMB EN Laboratuvarı

Addresses : 8780 /1 Sokak No:5 Çiğli /İZMİR

Decisions to be Taken in Consequence of Inspections and Tests :

If Related Rule/Test not necessary to be applied to the Specimen (Unapplied to Specimen) : I S
If the Tested Specimen Conforms to the Rules (Passed) : P
If the Tested Specimen does not conform to the Rules (Failed) : F
If there is a Rule/Test that could not be Applied due to Any Reason (Undone) : U

General Evaluations :

- This report is prepared as three copies
- This report may not be reproduced partly without permission of TSE
- This report is valid only for the tested specimen(s).
- "See the remark" refers to the remark given in the annex of the report
- "See the attached table" refers to the table given in the annex of the report
- In this report, decimals are separated by a comma
- Each page of the report is initialed by the person(s) who conducted the test, and bears the blue seal of the unit. Unsigned and unsealed reports are invalid

COMPANY NAME: SİSTEM METAL YAPI REKLAM MALZ. VE İNŞ.SAN.TİC.A.Ş.

COMPANY ADDRESS : Çorlu TEKİRDAĞ

COMPANY STATEMENTS: ALUMINIUM COMPOSITE PANEL

4mm panel thickness: bottom 0.5 mm thickness aluminum plate + 3mm composite fillings + top 0.5mm thickness painted aluminum sheet

Related Product Standard and citations:

TS EN 13501-1 Clause 5.2 Heat of combustion test (EN ISO 1716): This test determines the potential maximum total heat release of a product when completely burning, regardless of its end use.

Conditioning Details: Test specimens conditioned according to the EN 13238 clause 4.2. Constant Mass 23 ± 2 °C , 50 ± 5 %
Calibration Date: 05.02.2014

Clause	Rule / Test	Result / Consider				Decision
		1	2	3	Average	
8.4.3	TS EN ISO 1716: January 2011 Non-homogeneous product					P
		PVDF Coating (b)	0.4	0.4	0.4	0.4
		Aluminium (a)	0	0	0	0
		Adhesive (d)	3.3	3.3	3.3	3.3
		Core (fill) (a)	2.7	2.6	2.6	2.61
		Adhesive (d)	3.3	3.3	3.3	3.3
		Aluminium (a)	0	0	0	0
All product (calculated): 2,55 Mj/kg						

RESULT: Samples tested according to TS EN ISO 1716 Standard.

"Results of this test are relative to behaviour of the product exposed to particular conditions and was not taken as a criterion alone so as to evaluate possible fire risk of the product in use."





A2-Class Composite aluminium panel product description

General description	-- A2 Yanmaz Alüminyum Kompozit Panel	
Product reference of composite	--ALBOND A2 Alüminyum Kompozit Panel	
Name of manufacturer	-- SİSTEM METAL YAPI REKLAM MALZEMELERİ VE İNŞAAT SAN. TIC. A.Ş.	
Colour reference of composite	-- Bright Silver	
Thickness of composite	--4mm	
Weight per unit area of composite	--7.92 KG/M2	
Product configuration	--Üst ve alt yüzey Alüminyum levha ortasında inorganik mineral core.	
Coating (test face)	Product reference	--PVDF
	Generic type	--PVDF Boya Kaplama
	Name of manufacturer	--ALCOAT/BECKERS
	Colour reference	--Bright Silver
	Number of coats	--2 Katmanlı Boya Kaplama
	Specific gravity	--
	Application rate per coat	--26 µ
	Application thickness per coat	--6µ±20 µ=26 µ
	Application method	--Roll Merdane Uygulama
	Curing process	--
Flame retardant details	--	
c Aluminium	Product reference	--Alüminyum
	Generic type	--3105
	Name of manufacturer	--
	Thickness	--0.50MM
	Weight per unit area	--1,35 kg/m2 (x2 üst-alt)
	Flame retardant details	--
Adhesive	Product reference	--Adhesive film
	Generic type	--Polietilen (PE)
	Name of manufacturer	--
	Thickness	--80 µ
	Weight per unit area	--0,075 kg/m2
	Flame retardant details	--
Core	Product reference	--Inorganik mineral dolgu
	Generic type	-- Inorganik
	Name of manufacturer	--Sistem Metal A.Ş.
	Thickness	--3mm
	Weight per unit area	--5,20 kg/m2
	Specific gravity	--1.72
	Flame retardant details	--

SİSTEM METAL YAPI
REKLAM MALZEMELERİ VE İNŞAAT SAN. TIC. A.Ş.
Karaköy Mahallesi Çarşı Çarşısı Kat:1
Karaköy Mahallesi Çarşı Çarşısı Kat:1
Karaköy Mahallesi Çarşı Çarşısı Kat:1
Karaköy Mahallesi Çarşı Çarşısı Kat:1
Karaköy Mahallesi Çarşı Çarşısı Kat:1
Karaköy Mahallesi Çarşı Çarşısı Kat:1

