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Test
TS EN ISO/IEC 17025
AB-0531-T

AB-0531-T

020.413.1 / 2015

07 / 2015

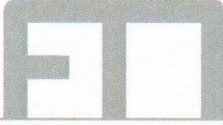
FTI Fasad Teknoloji Merkezi / FTI Façade Testing Institute
NB 2547 no'lu AB Onaylanmış Kuruluşu / EU Notified Body Nr. 2547

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DENEY SERTİFİKASI / Test Certificate

Üreticinin Adı ve Adresi / Manufacturer's Name & Address : BURAK ALUMİNYUM San. ve Tic. A.Ş.
Orta Mah. Hamdi Efendi Sk. No:16 D:32 İztower Soğanlık-Kartal / İstanbul / TÜRKİYE

Ürün Kabul Tarihi : 25 / 06 / 2015
Acceptance Date of Item

FTI Referans No : 2015.478
FTI Reference No

Ürün Tipi Kimlik Kodu / Identification Code of the Product Type : BM 72 - Hinged Window System

İlgili Ürün Standardı : TS EN 14351 - 1 + A1
Relevant Product Standard

Performansın Değişmezliğinin Değerlendirilmesi ve Doğrulanması Sistemi : System 3
System of Assessment and Verification of Constancy of Performance

Uygulanan Test Standartları : TS EN 1026, TS EN 1027, TS 4644 EN 12211, TS EN 14609
Applied Test Standards

Sonuçlar / Results : Air Permeability - TS EN 12207 : Class 4 (600 Pa)
Watertightness - TS EN 12208 : Class E1050 (1050 Pa)
Wind Resistance - TS EN 12210 : Class C5 (at 2000 Pa , for L/300 criteria)
Static Torsion - TS EN 13115 : Class 4 (350 N)

Test Tarihi / Date of Test
13 / 07 / 2015

Sayfa Sayısı / Number of Pages
1 / 23

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

Uygulanan metodlar, test sonuçları ve genişletilmiş ölçüm belirsizlikleri (talep edilirse), bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. Bu sertifika yalnız test edilen numuneye ait sonuçları içerir ve ekte sunulan ilgili test raporu ile birlikte geçerlidir.
The applied methods test results and the uncertainties (if requested) with confidence probability are given on the following pages which are part of this report. This certificate includes the test specimen which is identified above and its valid with the related test report which is presented as annex.

Bu sertifika, NB-2547 no'lu Avrupa Birliği Onaylanmış Kuruluşu FTI Fasad Teknoloji Merkezi tarafından 305/2011/AB Yapı Malzemeleri Yönetmeliği doğrultusunda verilmektedir.
This certificate is issued by FTI Façade Testing Institute - European Union Notified Body Nr. 2547 according to the Construction Products Regulation 305/2011/EU.

Mühür / Seal



Tarih / Date of Issue

24 / 07 / 2015

NB 2547 no'lu AB Onaylanmış Kuruluşu adına / on behalf of EU NB 2547

Onaylanmış Kuruluş Direktif Yöneticisi / Directive Manager of Notified Body

Öner ARSLAN

F.15.24 REV. NO:B TEMMUZ 2015



TEST REPORT

Report Number : 020.413.1 / 2015

Report Date : 24 / 07 / 2015

Testing Reference : TS EN 14351 -1 + A1 Windows and Doors - Product Standard

Product : BM 72 – Hinged Window System

Client : Burak Aluminyum San ve Tic. A.Ş.

1. PREFACE

This report comprises of tests and results, which were performed by FTI Façade Testing Institute at the address; Çakıl Mah. Şehit Teğmen Tamer Aydın Sok. No:60/A 34540 Çatalca – İstanbul / TÜRKİYE.

Test sample name is BM 72 – Hinged Window System which has been produced by Burak Alüminyum San. ve Tic. A.Ş.

Tests were carried out on 13 / 07 / 2015 for the determination of air infiltration, water penetration (under static pressure) , wind resistance and static torsion performances.

Test sample has been sent to FTI Façade Testing Institute's testing laboratories on 25 / 06 / 2015.

2. CLIENT

Burak Alüminyum San. ve Tic. A.Ş.

Orta Mah.Hamdi Efendi Sk. No:16 D:32 İztower - 34880

Soğanlık-Kartal / İstanbul / TÜRKİYE

3. TEST METHODS

The above mentioned tests have been carried out as per the test methods provided in project specifications and classified on the standards indicated below. Tests have been reported as the number of 020.413.1 / 2015 by Ayfer DİNCEL.

EN 14351-1+ A1* Windows and doors - Product standard, performance characteristics

EN 1026 * Windows and doors - Air permeability - Test method

EN 12207 * Windows and doors - Air permeability - Classification

EN 1027 * Windows and doors - Watertightness - Test method

EN 12208 * Windows and doors - Watertightness - Classification

EN 12211 * Windows and doors - Resistance to wind load - Test method

EN 12210 * Windows and doors - Resistance to wind load – Classification

EN 14609 * Windows - Determination of the resistance to static torsion

EN 13115 * Windows – Classification of mechanical properties – racking, torsion and operating forces

4. TEST DATE AND PARTICIPANTS

Test was performed on 13 / 07 / 2015 with the following participants:

Mr. Öner ARSLAN	FTI	Directive Manager of Notified Body
Mr. M. Serhat ÇOLAK	FTI	Testing Manager
Mrs. Ayfer DİNCEL	FTI	Testing Engineer
Mr. Murat GÖL	FTI	Testing Engineer
Mr. Sinan BAYRAKTAR	FTI	Testing Engineer

Miss. Nilay BULUT FTI Testing Engineer
 and partially by ;
 Mr. Hüseyin GÜRSOY BURAK ALÜMİNYUM

5. DESCRIPTION OF TEST SAMPLE

* Type of sample	Hinged Window System
* System Name	BM 72
* Dimensions of sample	1200 mm x 1200 mm
* Surface area of sample	1,44 m ²
* Number of operable part(s)	1
* Surface area of operable part	0,65 m ²
* Dimensions of operable part	567 mm x 1152 mm
* Glass Type	External glass 6mm flat transparent glass+ 16 HB + Internal glass 6mm flat transparent glass

6. CONDITIONS

Date	:	09/07/2015	10/07/2015	13/07/2015
Local Temperature °C	:	25	26	27
Humidity %	:	66	62	58
Atmospheric Pressure mbar	:	1008,0	1012,0	1013,0

7. TEST PERFORMANCE

7.1. Pressure Sequence

STEPS		POSITIVE PRESSURE (Pa)	NEGATIVE PRESSURE (Pa)
1	PA	600	600
2	PW	1050	-
3	PD	2000	2000
4	PC	1000	1000
5	PA	600	600
6	PE	3000	3000

PA: Pressure for Airtightness ; PW: Pressure for Watertightness ; PD: Design Pressure
 PC: Pressure Cycle ; PE: Extreme Pressure

7.2. Air Permeability

Before starting the test, 3 pulses at 660 Pa is applied to the sample. During the tests, the pressure at the following values is applied for 10 seconds. The following data includes the remaining values of the system after tare.

Air permeability measurements based on overall area ;

POSITIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m ²)
$\phi 1$	50	1,28	0,89
$\phi 1$	100	1,88	1,30
$\phi 1$	150	2,49	1,73
$\phi 1$	200	3,07	2,13
$\phi 1$	250	3,51	2,44
$\phi 1$	300	3,87	2,69
$\phi 1$	450	4,86	3,38
$\phi 1$	600	6,08	4,22

Test No : 2015.478.07 / 09.07.2015

NEGATIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m ²)
$\phi 1$	50	1,08	0,75
$\phi 1$	100	1,89	1,31
$\phi 1$	150	2,42	1,68
$\phi 1$	200	2,77	1,92
$\phi 1$	250	3,62	2,51
$\phi 1$	300	4,14	2,87
$\phi 1$	450	5,47	3,80
$\phi 1$	600	6,80	4,72

Test No : 2015.478.08 / 09.07.2015

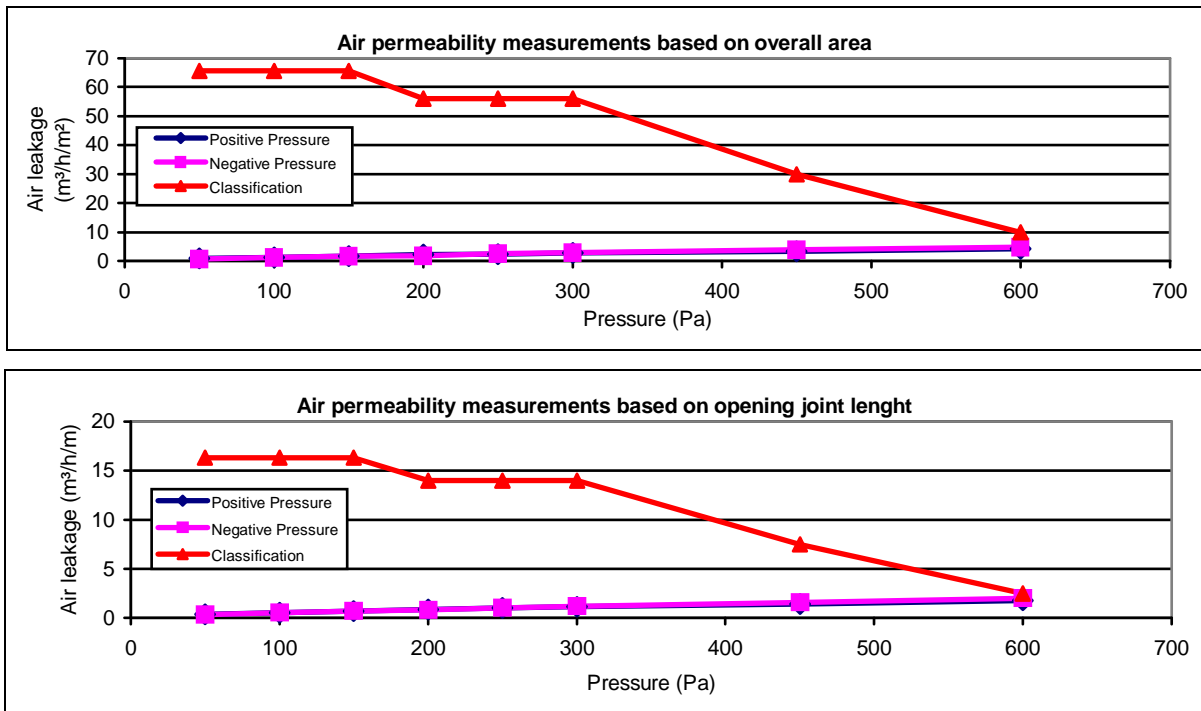
Air permeability measurements based on opening joint length;

POSITIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m)
$\phi 1$	50	1,28	0,37
$\phi 1$	100	1,88	0,55
$\phi 1$	150	2,49	0,72
$\phi 1$	200	3,07	0,89
$\phi 1$	250	3,51	1,02
$\phi 1$	300	3,87	1,13
$\phi 1$	450	4,86	1,41
$\phi 1$	600	6,08	1,77

Test No : 2015.478.07 / 09.07.2015

NEGATIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m)
$\phi 1$	50	1,08	0,31
$\phi 1$	100	1,89	0,55
$\phi 1$	150	2,42	0,70
$\phi 1$	200	2,77	0,81
$\phi 1$	250	3,62	1,05
$\phi 1$	300	4,14	1,20
$\phi 1$	450	5,47	1,59
$\phi 1$	600	6,80	1,98

Test No : 2015.478.08 / 09.07.2015



7.3. Watertightness Under Static Pressure

Before starting the test, 3 pulses at 1155 Pa were applied to the sample. Waiting duration between each impacts were 3 seconds. An adjustable device for spraying water 2,0 l/m².min so that a constant and continuous film was applied to the outside surface of the specimen.

The amount of water applied to the façade = 2,0 l/min x 1,44 m² = 2,88 l/min. = 172,8 l/h

Observations

Pressure Value (Pa)	Time Period (min)	Observations
0	15	No water leakage was observed.
50	5	No water leakage was observed.
100	5	No water leakage was observed.
150	5	No water leakage was observed.
200	5	No water leakage was observed.
250	5	No water leakage was observed.
300	5	No water leakage was observed.
450	5	No water leakage was observed.
600	5	No water leakage was observed.
750	5	No water leakage was observed.
900	5	No water leakage was observed.
1050	5	No water leakage was observed.

Test No : 2015.478.09 / 09.07.2015

7.4. Resistance to Wind Load

Before starting the test, 3 pulses at - 2200 / + 2200 Pa are applied to the sample. Waiting duration between each impacts were 3 seconds. During the tests, the pressure values are applied for 10 seconds.

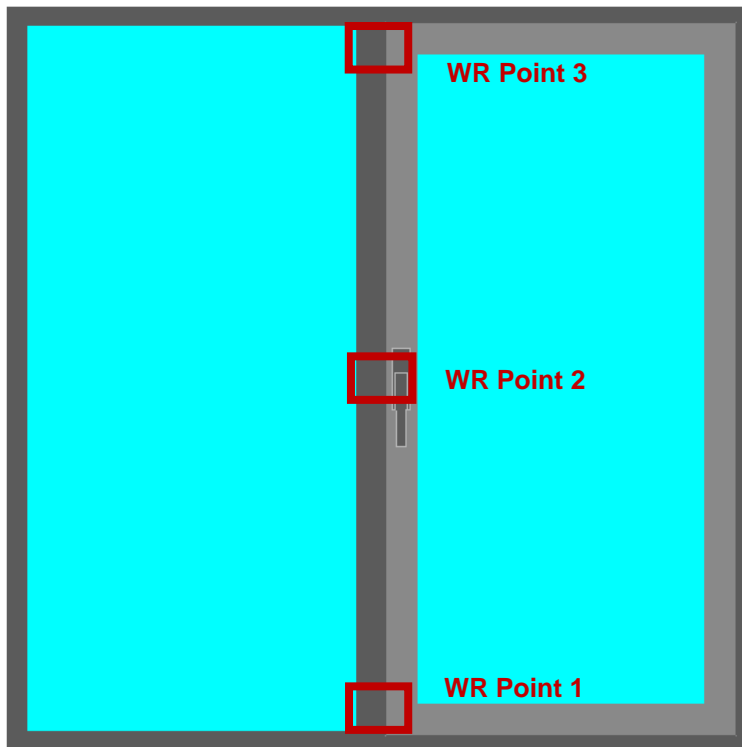
Acceptable proportion at resistance to wind load:

Position: Vertical distance for mullion at middle axis

Scale: **Vertical** **1152 mm**

The measured frontal deflection between points of the structural support should not exceed the minimum of 1/300 of the framing member's span or 15 mm, which is smaller, under the positive and negative design loads:

Vertical $1152 / 300 = 3,84 \text{ mm}$ for L/300 criteria



Specimen dimensions and sensor replacement coordinates;

	X coordinates (mm)	Y coordinates (mm)
External Dimensions	1200	1200
Sensor 1 Replacement	656	61
Sensor 2 Replacement	656	608
Sensor 3 Replacement	656	1147

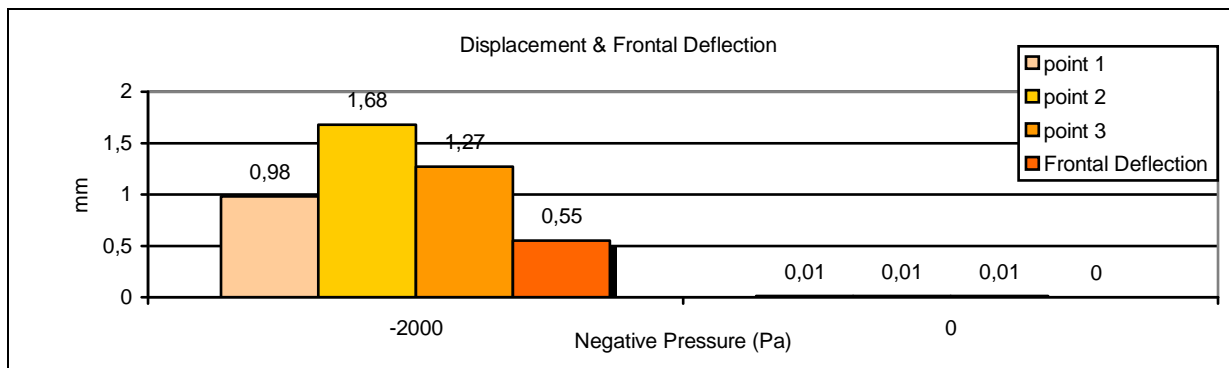
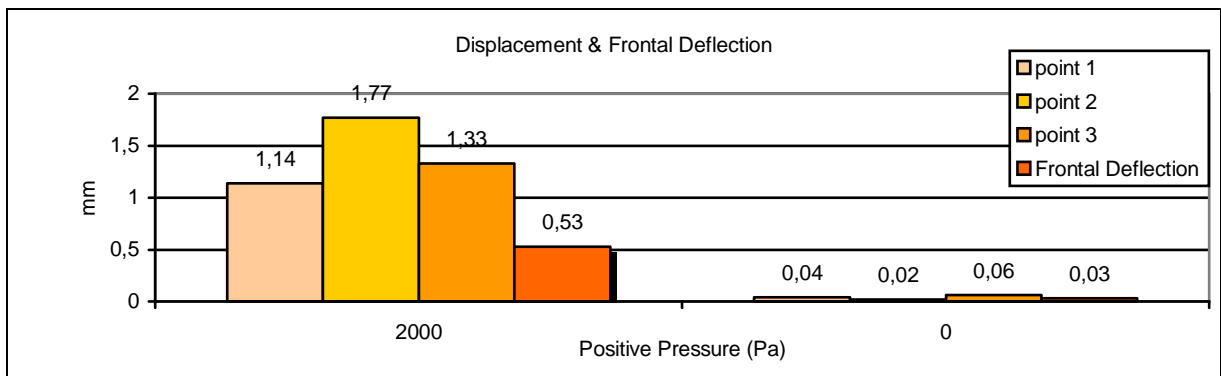
Frontal deflection measurement results on the vertical profile;

Positive Pressure (Pa)	Point 1 (mm)	Point 2 (mm)	Point 3 (mm)	Frontal Deflection (mm)
2000	1,14	1,77	1,33	0,53
0	0,04	0,02	0,06	0,03

Test No : 2015.478.10 / 09.07.2015

Negative Pressure (Pa)	Point 1 (mm)	Point 2 (mm)	Point 3 (mm)	Frontal Deflection (mm)
2000	0,98	1,68	1,27	0,55
0	0,01	0,01	0,01	0,00

Test No : 2015.478.11 / 09.07.2015



7.5. Cycle Test

+ 1000 Pa and -1000 Pa were applied for 50 cycle.

There was no damage observed on the sample at the end of the test. (Test No: 2015.478.12 / 10.07.2015)

7.6. Air Permeability (Repeat)

Before starting the test, 3 pulses at 660 Pa is applied to the sample. During the tests, the pressure at the following values is applied for 10 seconds. The following data includes the remaining values of the system after tare.

Air permeability measurements based on overall area ;

POSITIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m ²)
$\phi 1$	50	1,48	1,03
$\phi 1$	100	1,97	1,37
$\phi 1$	150	2,65	1,84
$\phi 1$	200	3,24	2,25
$\phi 1$	250	3,80	2,64
$\phi 1$	300	4,12	2,86
$\phi 1$	450	5,21	3,62
$\phi 1$	600	6,37	4,42

Test No : 2015.478.13 / 10.07.2015

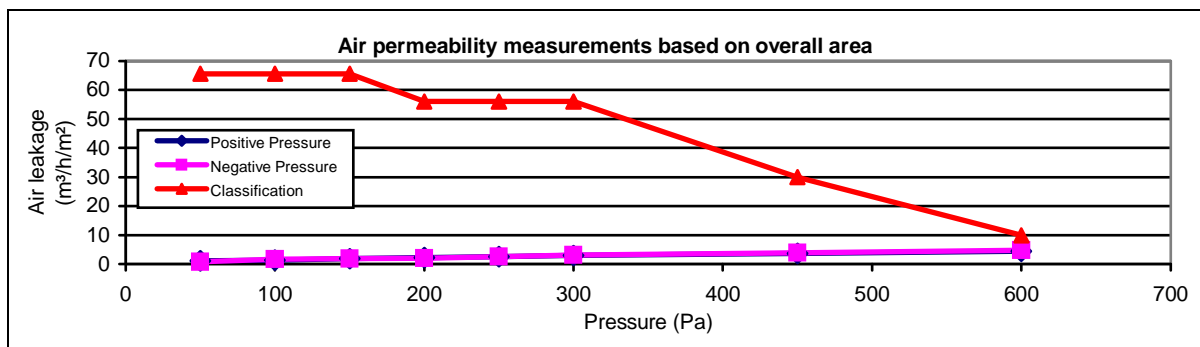
NEGATIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m ²)
$\phi 1$	50	1,13	0,78
$\phi 1$	100	2,38	1,65
$\phi 1$	150	2,71	1,88
$\phi 1$	200	2,94	2,05
$\phi 1$	250	3,81	2,64
$\phi 1$	300	4,45	3,09
$\phi 1$	450	5,65	3,93
$\phi 1$	600	6,96	4,83

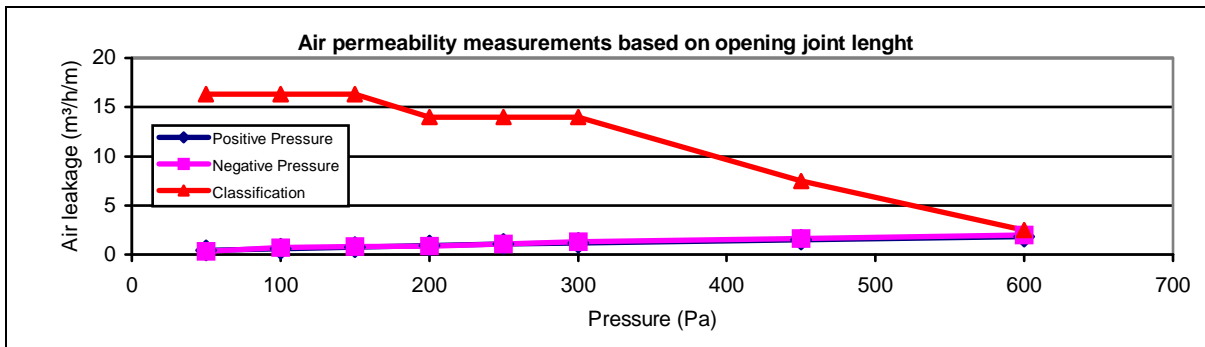
Test No : 2015.478.14 / 10.07.2015
Air permeability measurements based on opening joint length;

POSITIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m)
$\phi 1$	50	1,48	0,43
$\phi 1$	100	1,97	0,57
$\phi 1$	150	2,65	0,77
$\phi 1$	200	3,24	0,94
$\phi 1$	250	3,80	1,10
$\phi 1$	300	4,12	1,20
$\phi 1$	450	5,21	1,52
$\phi 1$	600	6,37	1,85

Test No : 2015.478.13 / 10.07.2015

NEGATIVE PRESSURE			
$\phi 1 / \phi 2$ Pipe	Test Pressure (Pa)	Air Leakage (m ³ /h)	Air Leakage (m ³ /h/m)
$\phi 1$	50	1,13	0,33
$\phi 1$	100	2,38	0,69
$\phi 1$	150	2,71	0,79
$\phi 1$	200	2,94	0,86
$\phi 1$	250	3,81	1,11
$\phi 1$	300	4,45	1,29
$\phi 1$	450	5,65	1,64
$\phi 1$	600	6,96	2,02

Test No : 2015.478.14 / 10.07.2015




7.7. Extreme Load Test

Test Pressure	Applied		Observations
	Positive	Negative	
PE = + 3000 Pa	+ 3000 Pa	-	No damage was observed on the sample
PE = - 3000 Pa	-	- 3000 Pa	No damage was observed on the sample

There was no damage observed on the sample at the end of the test. (**Test No: 2015.478.15 / 10.07.2015**)

7.8. Static Torsion Test

7.8.1. Loads and Descriptions

Test Load (F) = 350 N

Preload (F_p) = 35 N

a₀ = plastic deformation after preload

a₁ = temporary deformation during the test load

a₂ = permanent deformation after test load

7.8.2. Test Process

Status	Duration (second)	Deformation (mm)
Preload (F _p) = 35 N	60	3,72
After Preload = 0 N	60	1,51
Test Load (F) = 350 N	300	42,29
After Test Load = 0 N	60	1,96

Test No : 2015.478.16 / 13.07.2015



$$a_0 = 1,51 \text{ mm}$$

$$a_1 = 42,29 \text{ mm}$$

$$a_2 = 1,96 \text{ mm}$$

max. deformation

$$a_1 - a_0 = 42,29 - 1,51 = \mathbf{40,78 \text{ mm}}$$

permanent deformation

$$a_2 - a_0 = 1,96 - 1,51 = \mathbf{0,45 \text{ mm}}$$

8. RESULTS

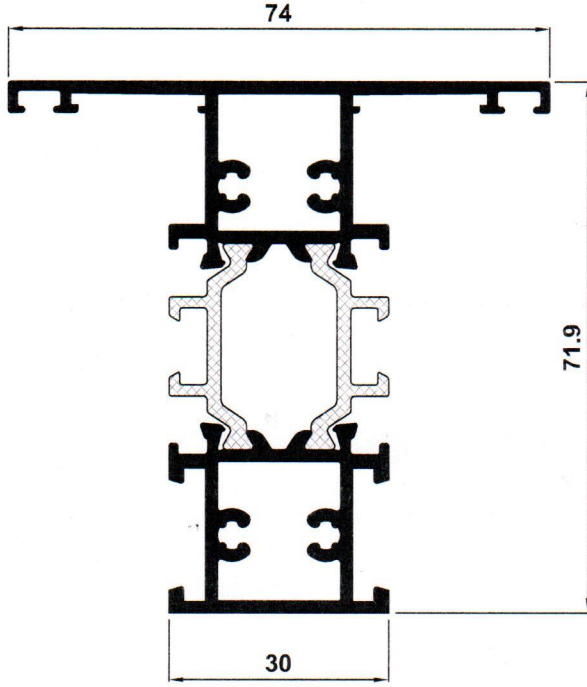
	CONDITIONS	RESULTS		CLASSIFICATION
AIR PERMEABILITY EN 12207	at 600 Pa $\phi < 10 \text{ m}^3/\text{h},\text{m}^2$ at 600 Pa $\phi < 2,5 \text{ m}^3/\text{h},\text{m}$	Positive Pressure	4,22 1,77	Class 4 for overall area Class 4 for opening j. l.
	at 600 Pa $\phi < 10 \text{ m}^3/\text{h},\text{m}^2$ at 600 Pa $\phi < 2,5 \text{ m}^3/\text{h},\text{m}$	Negative Pressure	4,72 1,98	Class 4 for overall area Class 4 for opening j. l.
WATER-TIGHTNESS (Static Pressure) EN 12208	There should be no water leakage at 1050Pa	No water leakage was observed during the test.		Class E₁₀₅₀
RESISTANCE TO WIND LOAD (design load) EN 12210	Deflection < limit value at +2000 Pa	max. 0,53 mm < 3,84 mm		Class C 5
	Deflection < limit value at -2000 Pa	max. 0,55 mm < 3,84 mm		Class C 5
CYCLE TEST	There should be no damage during the test (+ 1000 Pa and – 1000 Pa x 50 cycle)	No damage was observed		OK
AIR PERMEABILITY EN 12207 (repeat and compare)	at 600 Pa $\phi < 10 \text{ m}^3/\text{h},\text{m}^2$ at 600 Pa $\phi < 2,5 \text{ m}^3/\text{h},\text{m}$	Positive Pressure	4,42 1,85	Class 4 for overall area Class 4 for opening j. l.
	at 600 Pa $\phi < 10 \text{ m}^3/\text{h},\text{m}^2$ at 600 Pa $\phi < 2,5 \text{ m}^3/\text{h},\text{m}$	Negative Pressure	4,83 2,02	Class 4 for overall area Class 4 for opening j. l.
RESISTANCE TO SAFETY LOAD EN 12210	There should be no damage at +3000 Pa and - 3000 Pa.	There was no damage observed at +3000 Pa and- 3000 Pa (extreme loads)		OK
STATIC TORSION TEST TS EN 13115	Window shall be subjected to 350 N (Class 4)	OK		Class 4

BM 72

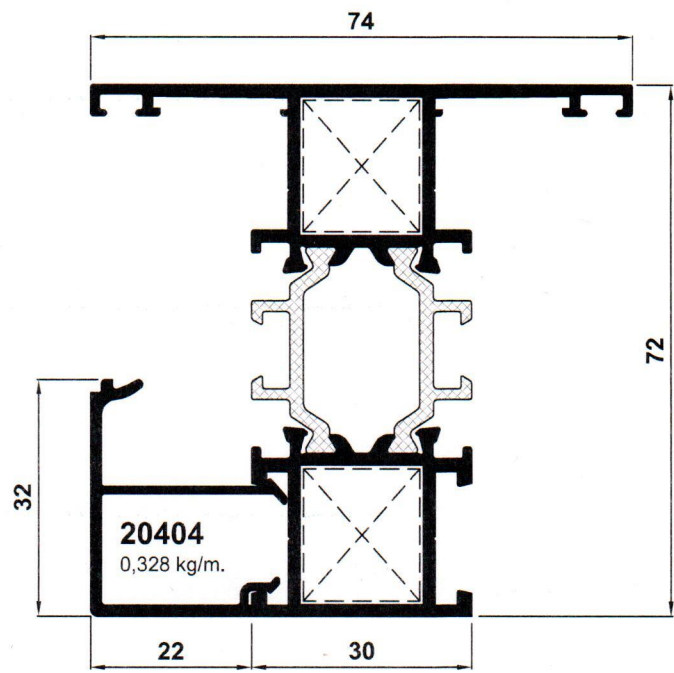
YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM

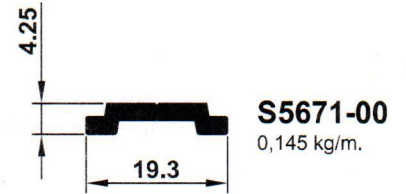
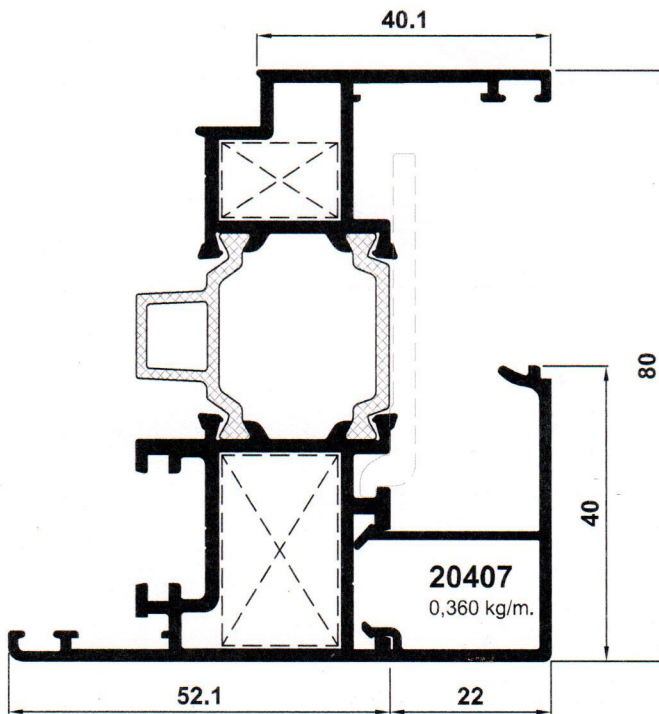
BM8002 (1,681 kg/m.)



BM8001 (1,496 kg/m.)



BM8003 (1,636 kg/m.)

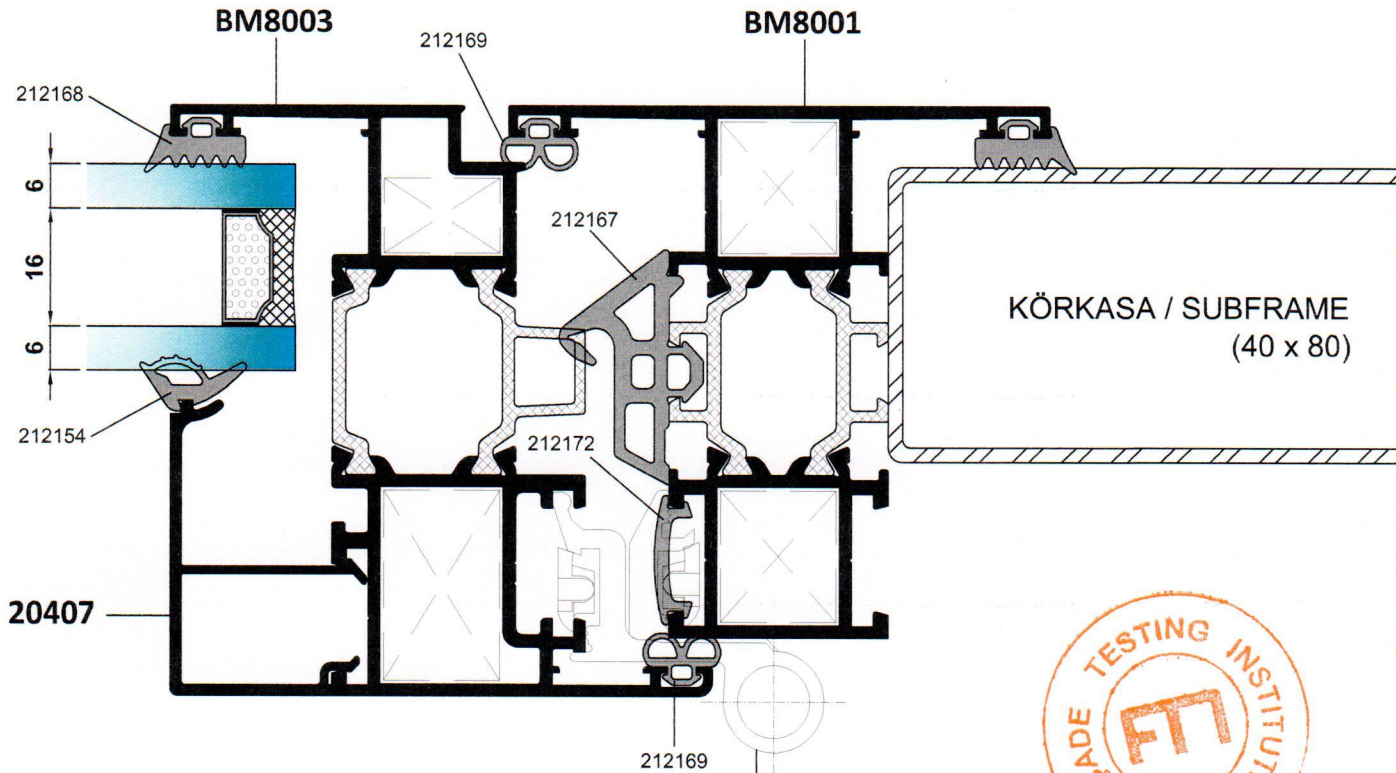
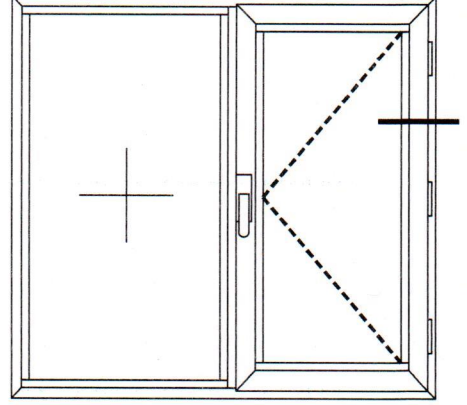


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YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM



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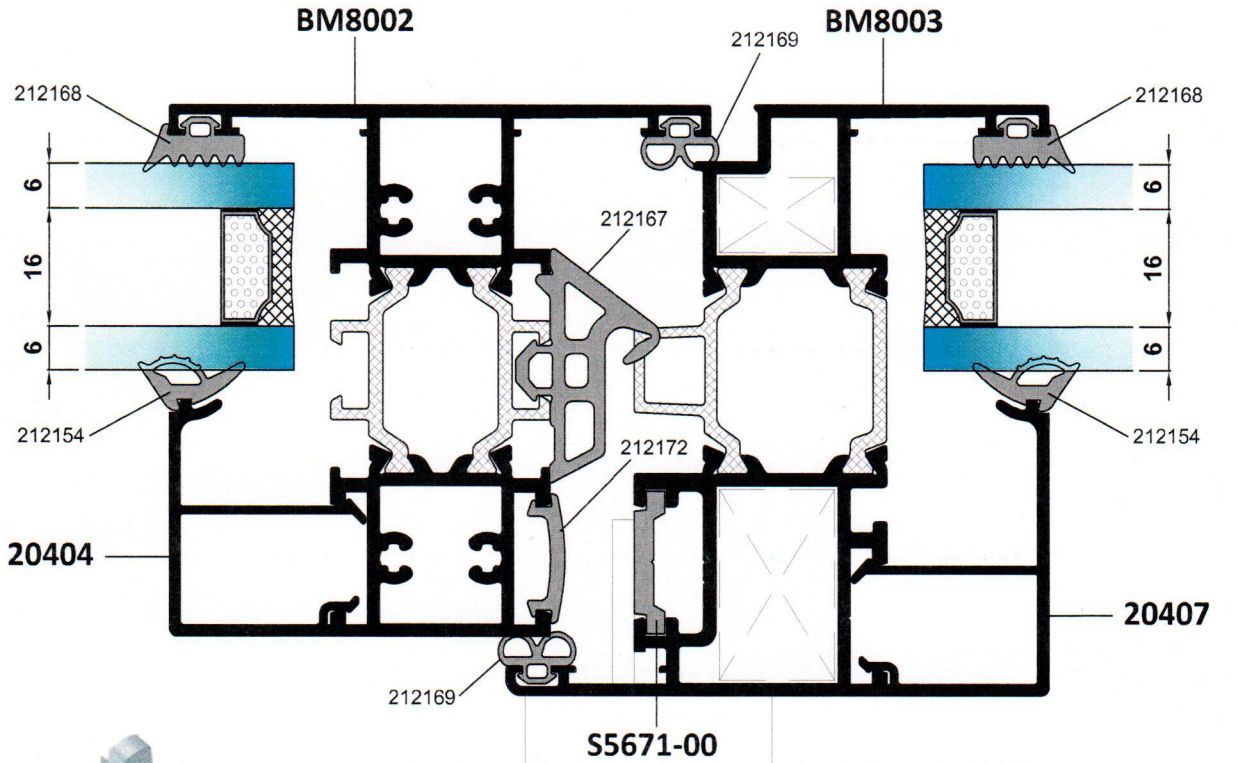
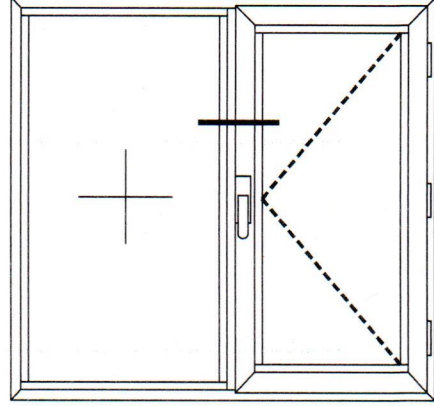
GIESSE FLASH BASE
PENCERE MENTEŞESİ
GIESSE FLASH BASE WINDOW HINGE

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YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM



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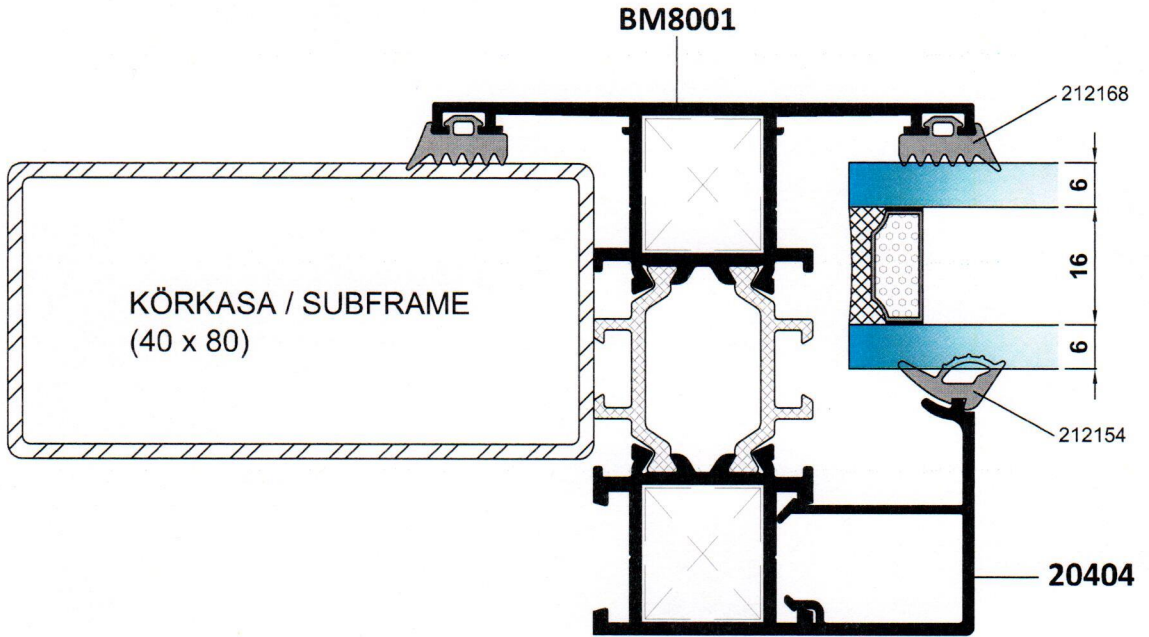
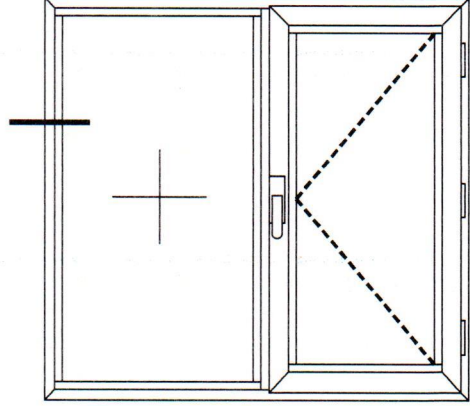
GIESSE ASIA ÇİFT MAÇALI KOL
GIESSE ASIA TWO-WAY CREMONE

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YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM

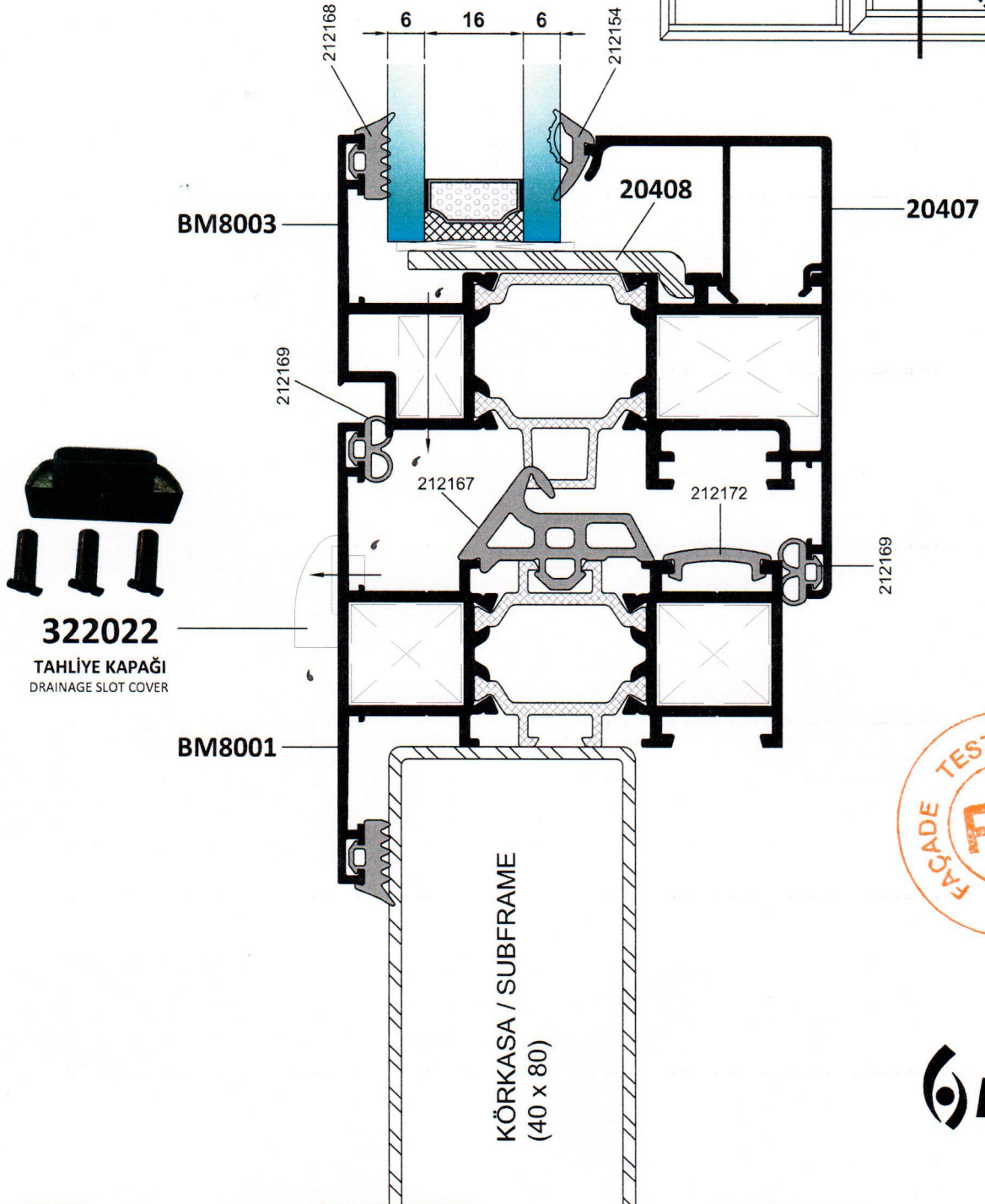
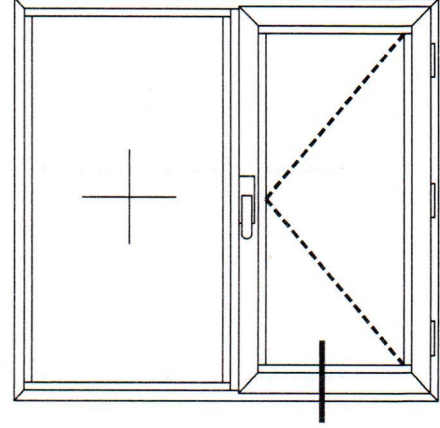


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YENİ TASARIM

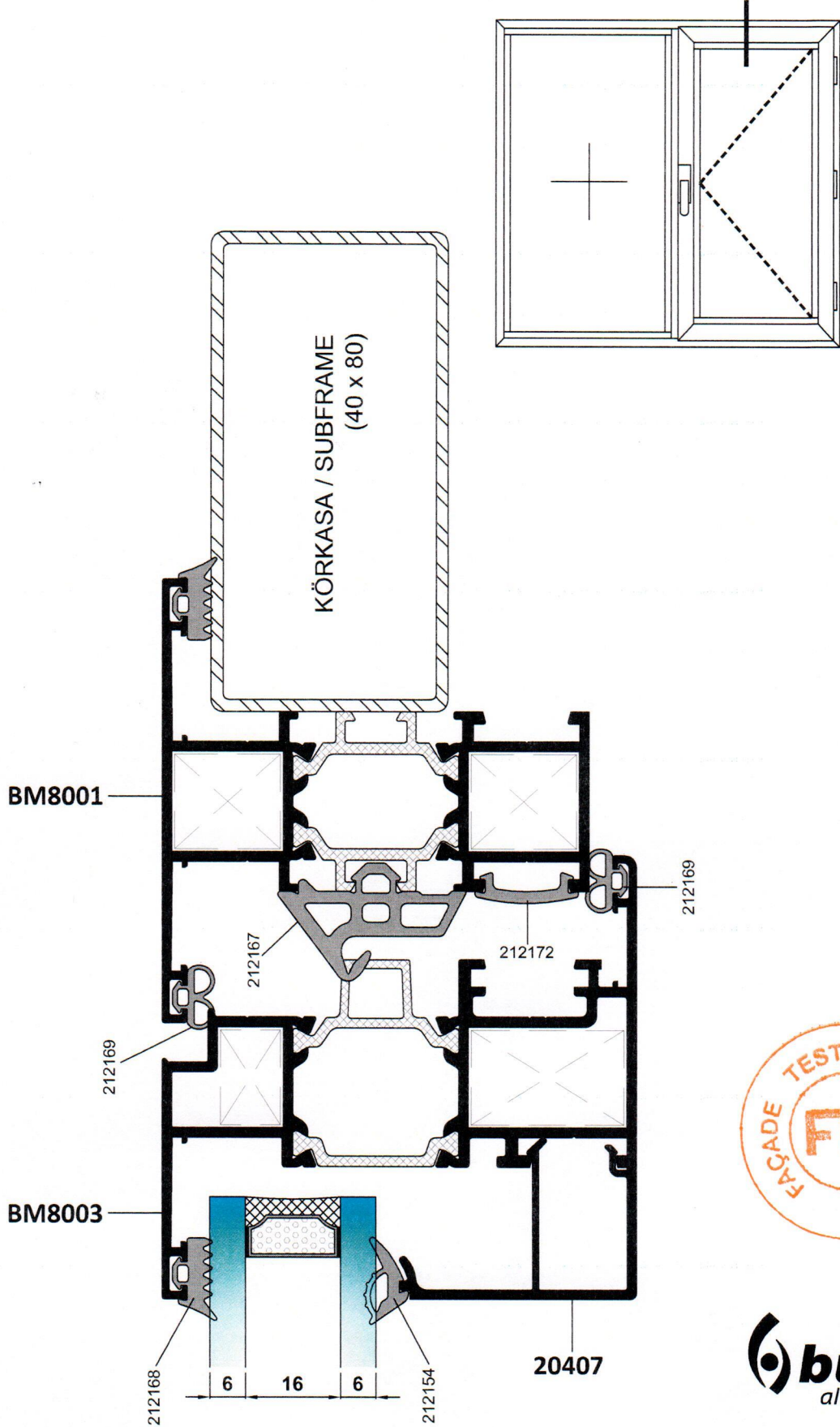


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YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM



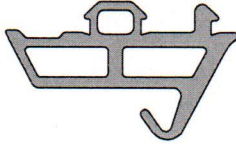


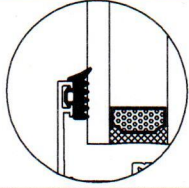

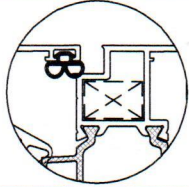

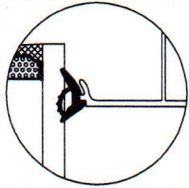



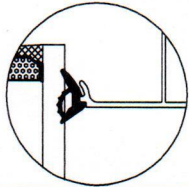

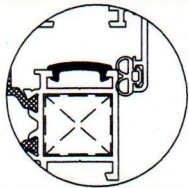
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BM 72

YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM

EPDM FİTİLLER / EPDM GASKETS

ÇİZİM / DRAWING	AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	TAKILMA BÖLGESİ / APPLICATION AREA
	212167 ORTA BİNI FİTİLİ / CENTRAL STEP GASKET BİRİM AĞIRLIK / UNIT WEIGHT: g/m KOLİ MİKTARI / PACKAGE QUANTITY: 245 m	
	212168 DIŞ CAM FİTİLİ 4 mm / OUTER GLAZING GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 66 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 230 m	
	212169 KASA FİTİLİ / FRAME GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 39 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 380 m	
	212153 KAMA FİTİLİ 4 mm / SUPPORT GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 55 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 270 m	
	212154 KAMA FİTİLİ 4 mm / SUPPORT GASKET 4 mm BİRİM AĞIRLIK / UNIT WEIGHT: 55 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 270 m	
	212155 KAMA FİTİLİ 5 mm / SUPPORT GASKET 5 mm BİRİM AĞIRLIK / UNIT WEIGHT: 55 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 270 m	
	212172 KAPATMA FİTİLİ / CLOSING GASKET BİRİM AĞIRLIK / UNIT WEIGHT: 52 g/m KOLİ MİKTARI / PACKAGE QUANTITY: 300 m	

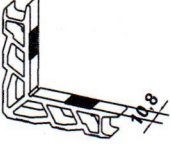
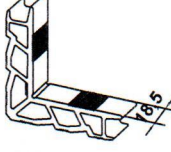
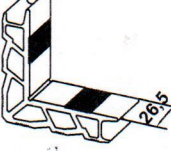


BM 72

YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM

KÖŞE TAKOZLARI / CORNER CLEATS

ÇİZİM / DRAWING	AKSESUAR KODU VE ÜRÜN BİLGİLERİ / ACCESSORY CODE AND PRODUCT DESCRIPTION	KESİM ÖLÇÜSÜ / CUTTING DIMENSION
	111207 PROFİL NUMARASI / PROFILE NUMBER: 20301 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,564 kg/m	10,8 mm
	111208 PROFİL NUMARASI / PROFILE NUMBER: 20301 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,564 kg/m	18,5 mm
	111209 PROFİL NUMARASI / PROFILE NUMBER: 20301 PROFİL AĞIRLIĞI / PROFILE WEIGHT: 2,564 kg/m	26,5 mm



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BM 72

YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ

YENİ TASARIM

TEST NUMUNESİNDE KULLANILAN DİĞER AKSESUARLAR

GIESSE KÖŞE İLETİM PARÇASI
GIESSE CORNER DEVICE



733003

GIESSE AYARLI PİM
GIESSE ADJUSTABLE FASTENING PAWL



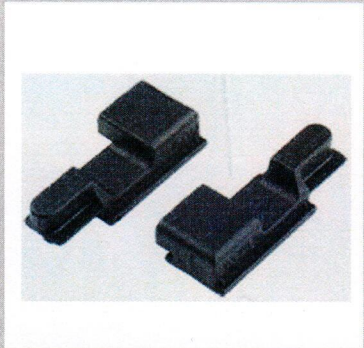
733002

GIESSE SABİT KARŞILIK
GIESSE FIXED STRIKER



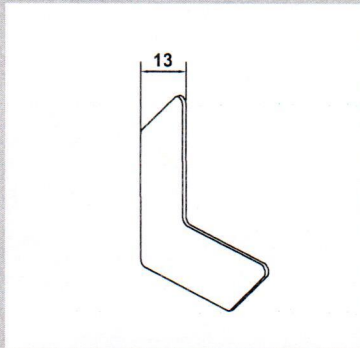
733009

GIESSE ÇİFT MAÇALI KOL
BAĞLANTILARI
GIESSE TWO-WAY DRIVE ROD COMPONENTS



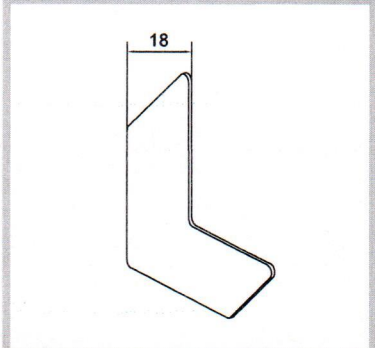
643004

KÖŞE ÇAVUŞU 13x1,5 mm
CORNER ALINGMENT 13x1,5 mm



162009

KÖŞE ÇAVUŞU 18x1,5 mm
CORNER ALINGMENT 18x1,5 mm

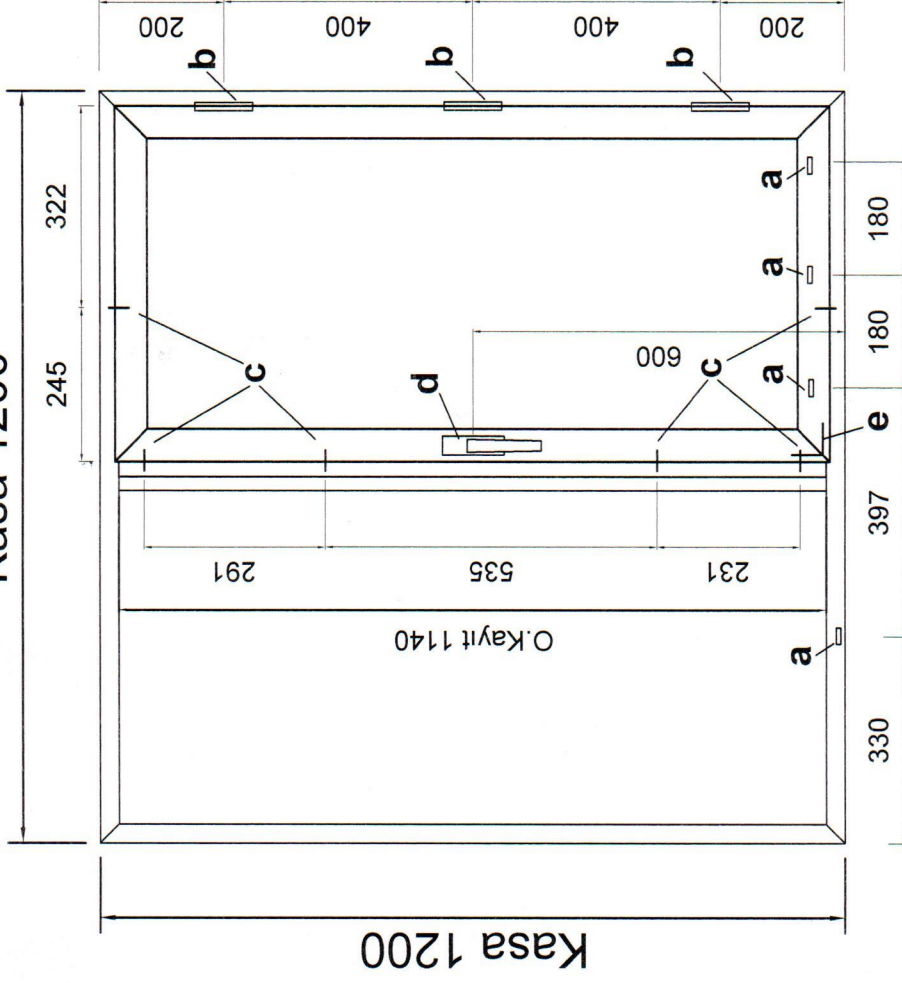


162010



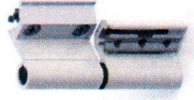
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Kasa 1200



a- 6x25mm drainage hole

b- 413004 Giesse Flash
Base Window hinge



c- locking points
733002-pin
733009-locking part

d- handle

e- 733003 - corner wedge



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