

# BM60

Yalıtımlı Mentşeli Sistem  
Insulated Hinged System



- **Sistem Katalođu**

Teknik Özellikler  
Profil Bilgisi  
Sistem Detayları  
Aksesuarlar  
Montaj Talimatları

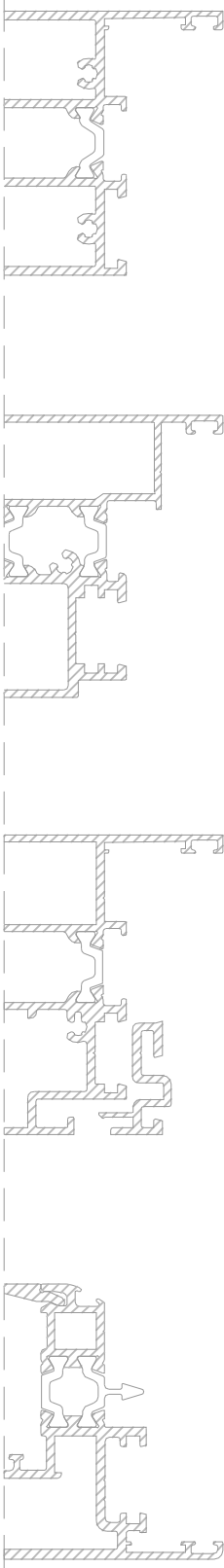
- **System Catalogue**

Technical Properties  
Profile Data  
System Details  
Accessories  
Fabrication Manual

## İÇİNDEKİLER / INDEX

<b>TEKNİK ÖZELLİKLER / TECHNICAL PROPERTIES</b> .....	<b>: 3 , 4</b>
<b>TEST RAPORU PERFORMANS DEĞERLERİ / TEST REPORT PERFORMANCE VALUES</b> .....	<b>: 5</b>
<b>TERMAL HESAP SONUÇLARI / THERMAL CALCULATION RESULTS</b> .....	<b>: 6 , 7</b>
<b>PROFİL FİHRİSTİ / PROFILE INDEX</b> .....	<b>: 9 ... 18</b>
<b>&gt; PROFİLLER / PROFILES</b>	
<b>SİSTEM PROFİLLERİ / SYSTEM PROFILES</b> .....	<b>: 19 ... 40</b>
<b>ALÜMİNYUM AKSESUAR PROFİLLERİ / PROFILES OF ALUMINIUM ACCESORIES</b> .....	<b>: 41</b>
<b>CAM ÇİTALARI VE SEÇİM TABLOSU / GLAZING BEADS AND SELECTION TABLE</b> .....	<b>: 42 , 43</b>
<b>&gt; DETAYLAR / DETAILS</b>	
<b>PENCERE DETAYLARI / WINDOW DETAILS</b> .....	<b>: 44 ... 55</b>
<b>GİZLİ KANAT PENCERE DETAYLARI / HIDDEN VENT WINDOW DETAILS</b> .....	<b>: 56 ... 66</b>
<b>BİNİLİ KAPI DETAYLARI / STEP DOOR DETAILS</b> .....	<b>: 67 ... 75</b>
<b>HEMYÜZ KAPI DETAYLARI / FLUSH DOOR DETAILS</b> .....	<b>: 76 ... 89</b>
<b>KATLANIR KAPI DETAYLARI / FOLDING DOOR DETAILS</b> .....	<b>: 90 ... 101</b>
<b>PARALEL SÜRME KAPI DETAYLARI / PARALLEL SLIDING DOOR DETAILS</b> .....	<b>: 102 ... 105</b>
<b>PVC AKSESUARLI PENCERE DETAYLARI / WINDOW DETAILS WITH PVC ACCESORIES</b> .....	<b>: 106 ... 109</b>
<b>&gt; AKSESUARLAR / ACCESSORIES</b>	
<b>AKSESUAR FİHRİSTİ / ACCESSORY INDEX</b> .....	<b>: 111 ... 117</b>
<b>FİTİLLER / GASKETS</b> .....	<b>: 118 ... 121</b>
<b>KÖŞE TAKOZLARI / CORNER CLEATS</b> .....	<b>: 123 ... 125</b>
<b>T BAĞLANTILAR / T CONNECTIONS</b> .....	<b>: 128</b>
<b>U BAĞLANTILAR / U CONNECTIONS</b> .....	<b>: 129</b>
<b>AKSESUARLAR / ACCESSORIES</b> .....	<b>: 130 ... 159</b>
<b>&gt; KESİM ÖLÇÜLERİ / CUTTING SIZES</b> .....	
	<b>: 160 ... 175</b>

## ÜRÜN KONSEPTİ / PRODUCT CONCEPT



BM 60 "Burak **Menteşeli 60mm**"; pencere ve kapı çözümlerindeki bütün varyasyonları yüksek ısı yalıtımı ve yüksek sızdırmazlık performanslarıyla bir arada sunabilen yeni nesil menteşeli doğrama sistemidir.

### PERFORMANS

Menteşeli doğramaların yaygın kullanım alanı konutlardır. Yaşam alanını bir kalkan gibi kaplayan ve insanları dış ortamın zorlu şartlarından koruyan bu sistemlerin performansı diğer sistemlere göre daha büyük önem arz etmektedir. Teknolojinin ilerleyişine paralel olarak konutların asgari konfor ihtiyaçları gün geçtikçe artmakta ve bu ihtiyaçları karşılama noktasında dizayn ofislerinin ekonomik özelliklerinden taviz vermeden mümkün olduğunca performanslı ürünler geliştirmesi zorunluluk haline gelmektedir. BM 60 sisteminin hem yüksek hava-su-rüzgar sızdırmazlık değerlerine sahip olması hem de yüksek akustik yalıtım performansı sergileyen yapısı sayesinde "yaşam ortamında maksimum konfor" olgusunun gereği tam manasıyla yerine getirilebilmektedir.

### ENERJİ TASARRUFU

Çevreye duyarlılık ve enerji tasarrufu konuları gün geçtikçe önem kazanmakta olduğundan BM 60'de ısı yalıtım özellikleri üst düzeyde tutuldu. Alüminyum, yapısı gereği soğuk bir materyal olmasına rağmen gelişen malzeme çeşitliliği, dizayn yöntemleri ve teknolojilerle artık oldukça yalıtkan bir yapı haline dönüştürülebilmektedir. BM 60 tamamen günümüz ihtiyaçlarına uygun şekilde performans odaklı olarak tasarlandı.

### İMALAT KOLAYLIĞI

Sistemin tüm aksesuarları ortak kullanım ve birbiriyle uyumlu çalışma mantığı çerçevesinde tasarlandığından, BM 60 aynı tip aksesuarlar kullanımı ve dolayısıyla imalat kolaylığı yönünden benzersiz bir yapıdadır.

### GELİŞTİRİLEBİLİRLİK

BM 60, sistem konsepti açısından kolaylıkla genişletilebilir yapıdadır. Bu özelliği sayesinde eklenecek yeni çözümlerinin sisteme adaptasyonu hızlı ve kolay biçimde yapılabilmektedir.

BM 60 "Burak **Menteşeli 60mm**" is the new generation hinged system that presents all variations for door and window solutions together with high insulation and high impermeability performances.

### PERFORMANCE

Hinged systems are preferred particularly in houses. Performance of hinged systems that covered as a shield and keeping from forced conditions of out environment is more important than the other systems. With development of technology, minimum enough comfort requirements of houses rise day by day and design offices have to develop economical and high performance products. BM 60 has even high impermeability values of air-water-wind, and too it has high acoustic performance. So through these facilities of BM 60, it performs fact thoroughly that "maximum comfort at living area".

### ENERGY SAVING

Subjects of environment sensitivity and energy saving become important day by day. For this reason thermal insulation specifications was become on high level in BM 60. Even though Aluminium is cold material, it can be transformed reasonably insulator with developing material variability, design methods and new technologies. BM 60 is designed by focused performance according to actual requirements.

### EASE OF MANUFACTURING

Accessories of BM 60 was designed as logic of collective and harmonious with each other. So BM 60 has unique construction by ease of manufacturing

### IMPROVABILITY

BM 60 was designed as smoothly developable system concept. In this way adaptation of new system solutions can be done quickly.

## MALZEME TEKNİK ÖZELLİKLERİ / TECHNICAL PROPERTIES OF MATERIALS

Alüminyum profil üretim tesisimiz **ISO 9001 , ISO 14001 , ISO 18001** kalite güvence belgelerine sahiptir.

**1-Profil Hammaddesi** (Raw Material) : AA 6063 (AlMgSi 0.5 F22) , **EN 573-3**

**2-Mekanik Özellikler** (Mechanical Properties) : **EN 755-2**

Elastisite Modülü (Elasticity Modul) : 7000 kN/cm<sup>2</sup>

Kopma Mukavemeti (Yield Strenght) : 215 N/mm<sup>2</sup>

Akma Mukavemeti (Flow Strenght) : 160 N/mm<sup>2</sup>

Uzama (Elongation) : minimum 6 %

Sertlik (Hardness) : 70 HRB

**3-Bariyer Hammaddesi**

**a-PA 66 GF 25 (25 % cam elyaf takviyeli polyamid)** (25 % the manufactured from glass stiffened polyamid) : Elokسال ve toz boya işleminden **önce** yerleştirilir. (Placed into the aluminium profiles **before** anodic oxidation and powder coating.)

**b- PVC :**

Elokسال ve toz boya işleminden **sonra** yerleştirilir. (Placed into the aluminium profiles **after** anodic oxidation and powder coating.)

PVC bariyerler, Polyamid bariyerlere göre 10 % daha ağırdır. (PVC insulation bars are 10 % heavier than Polyamid insulation bars .)

**4-Elokسال** (Anodic Oxidation)

Elokسال Ürünler e İlişkin Teknik Resim Standardı : **DIN 17611 , EN 12371-1 (QUALANOD)**

(The Standarts of Technical Delivery Terms Regarding Eloxal Products)

Elokسال Tabakasının Kalınlığı (Thickness of Eloxal Coating): 10-15 mikron, **EN ISO 2360**

Daldırma ve Renklendirme Standardı (The Standarts of Immersion Coloring) : **DIN 50018**

Tesbit İşlemi Standardı (Sealing Standarts) : **EN 12373-5 , ISO 3210 (TS 2676)**

**5-Toz Boya Standartları** (The Standarts of Powder Coating )

Kalınlık (Thickness) : min. 60 mikron

Adhezyon (Adhesion) : **EN ISO 2409**

Esneklik (Elasticity) : **EN ISO 1519**

Deformasyon (Deformation) : **EN ISO 6272-1**

Sertlik (Hardness) : **EN ISO 2815**

**6-Yüzey Görünümü** (Surface Appearance) : Gözle yapılacak kontrolde,yüzey üzerinde kaplanmış alan,çizik,pütürlük,kabarıklık,leke,soyulma vb. hatalar görülmemelidir. (By visual observation,there has been no defects seen on the surface,such as stratches cramped shapes,swellings,stain etc. on the exposed areas.)

**7-Tüm Fitiller** (All gaskets)

Hammadde (Raw material) : EPDM

Derz fitilleri hammaddesi (Raw material of Gaskets for suture) : Silikon (Silicone)

Ölçü Toleransları Standardı (Measurement Tolerances Standarts) : **DIN ISO 3302-1/E2**

Kalite Kontrol Standardı (Quality Control Standart) : **RAL-GZ 716**

**8-Profil Tasarım ve Üretimindeki Ölçü Toleransları Standartları** : **EN 12020-2 , EN 755-9**

(Measurement Tolerances Standarts for Profile Design and Manufacturing)

## YÜKSEK PERFORMANSLI MENTEŞELİ DOĞRAMA SİSTEMİ HIGH PERFORMANCE HINGED SYSTEM

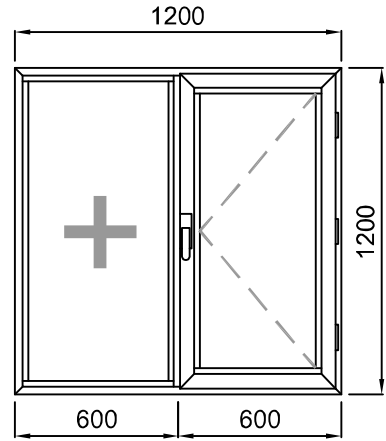


### TEKNİK ÖZELLİKLER TECHNICAL PROPERTIES

KASA DERİNLİĞİ / FRAME DEPTH :	60 mm
KANAT DERİNLİĞİ / SASH DEPTH :	68 mm
PROFİL ET KALINLIĞI / PROFILE WALL THICKNESS :	1,6 mm - 2 mm
MAX. CAM KALINLIĞI / MAX. GLASS THICKNESS :	44 mm
ISI BARİYERLERİ / INSULATION BARS :	16 mm
ISI YALITIM DEĞERİ (Uf) / THERMAL INSULATION VALUE (Uf) :	2,27 W/m <sup>2</sup> K - 3,26 W/m <sup>2</sup> K

### KULLANIM SEÇENEKLERİ APPLICATION ALTERNATIVES

	PENCERE WINDOW	KAPI DOOR
İÇE AÇILIR BİNİLİ / INWARD OPENING STEP :	●	●
DIŞA AÇILIR BİNİLİ / OUTSIDE OPENING STEP :		●
İÇE AÇILIR HEMYÜZ / INWARD OPENING FLUSH :		●
DIŞA AÇILIR HEMYÜZ / OUTSIDE OPENING FLUSH :		●
GİZLİ KANAT / HIDDEN VENT :	●	●
ÇİFT EKSEN / TILT&TURN :	●	●
PARALEL / TILT&SLIDE :	●	●
KATLANIR / FOLDING :		●

**TEST RAPORU PERFORMANS DEĞERLERİ****TEST REPORT PERFORMANCE VALUES****Test Numunesi Ebatları****Test Sample Dimensions**

Genişlik / Width: **1200 mm**  
Yükseklik / Height: **1200 mm**

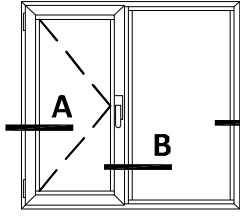
**Açılır Kanat / Opening Vent**  
Genişlik / Width: **600 mm**  
Yükseklik / Height: **1200 mm**

**TEST RAPORU SONUÇLARI****TEST REPORT RESULTS**

HAVA GEÇİRGENLİĞİ - EN 12207 (AIR PERMEABILITY)	1 (150 Pa)	2 (300 Pa)	3 (450 Pa)	4 (600 Pa)					
SU SIZDIRMAZLIĞI - EN 12208 (WATERTIGHTNESS)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E1500 (1500 Pa)
RÜZGAR YÜKÜNE DAYANIM - EN 12210 (RESISTANCE TO WIND LOAD)	1 (400 Pa)	2 (800 Pa)	3 (1200 Pa)	4 (1600 Pa)	5 (2000 Pa)				
SEHİM KRİTERİ - EN 12210 (DEFLECTION CRITERIA)	A ( $<L/150$ )	B ( $<L/200$ )	C ( $<L/300$ )						
AKUSTİK PERFORMANS - EN 10140-2 (ACOUSTIC PERFORMANCE) EN 717-1	Rw (C ; Ctr) = <b>37</b> (-1,9; -4,5) dB								
STATİK BURULMA - EN 13115 (STATIC TORSION)	<b>350 N</b>								

\*\* Daha detaylı bilgi için, lütfen test raporlarını isteyiniz. / For further information, please ask for the test report s.

## TERMAL PERFORMANS DEĞERLERİ / THERMAL PERFORMANCE VALUES

**BM 60****İÇE AÇILIR BİNLİ PENCERE**  
INWARD OPENING STEP WINDOW**TERMAL HESAP KOŞULLARI**

THERMAL CALCULATION CONDITIONS

DIŞ ORTAM SICAKLIĞI : 0°C

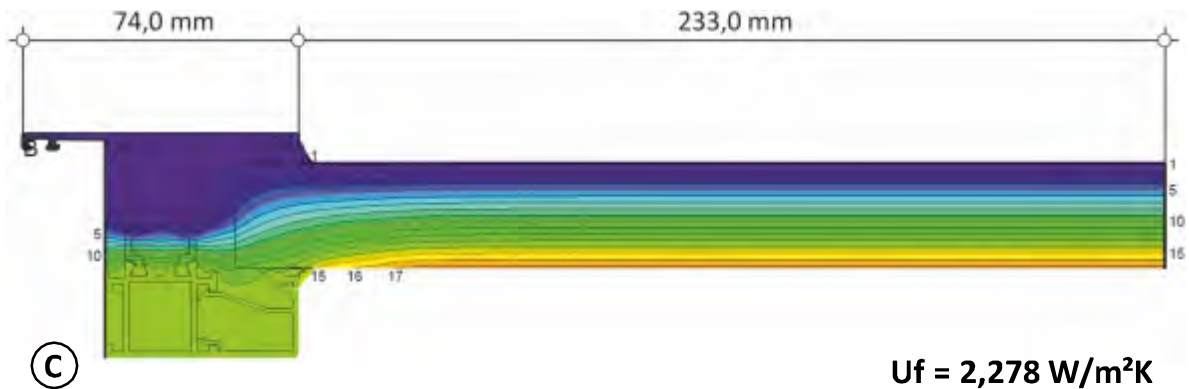
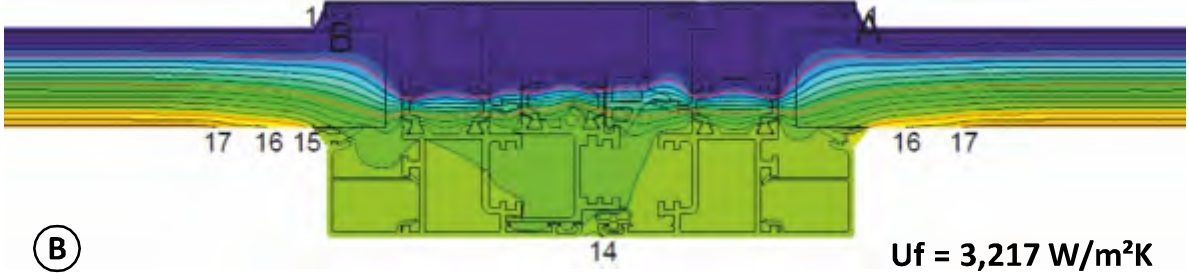
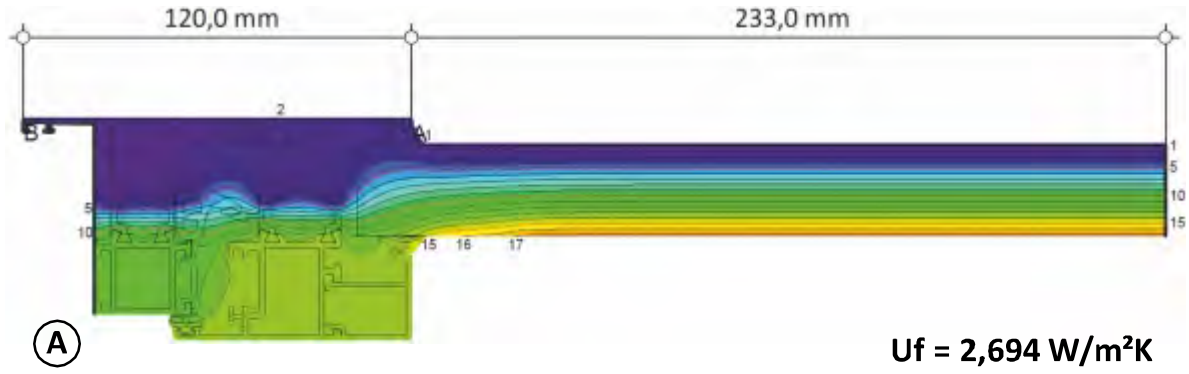
(OUTER TEMPERATURE)

İÇ ORTAM SICAKLIĞI : 20°C

(ROOM TEMPERATURE)

BAĞIL NEM : %50

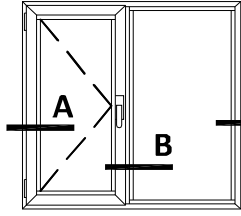
(RELATIVE HUMIDITY)



\* EN 10077-2 standardına göre; iç ortam sıcaklığı 20°C, dış ortam sıcaklığı 0°C ve bağıl nem %50 olarak alınmıştır.  
As EN 10077-2 standard; room temperature is 20°C, outer temperature is 0°C and relative humidity is %50.

Detaylı bilgi için, lütfen termal hesap raporlarınızı isteyiniz. / For further information, please ask for the reports.

## TERMAL PERFORMANS DEĞERLERİ / THERMAL PERFORMANCE VALUES



**BM 60**

**İÇE AÇILIR GİZLİ KANAT**  
INWARD OPENING HIDDEN VENT

**TERMAL HESAP KOŞULLARI**

**TERMAL CALCULATION CONDITIONS**

**DIŞ ORTAM SICAKLIĞI : 0°C**

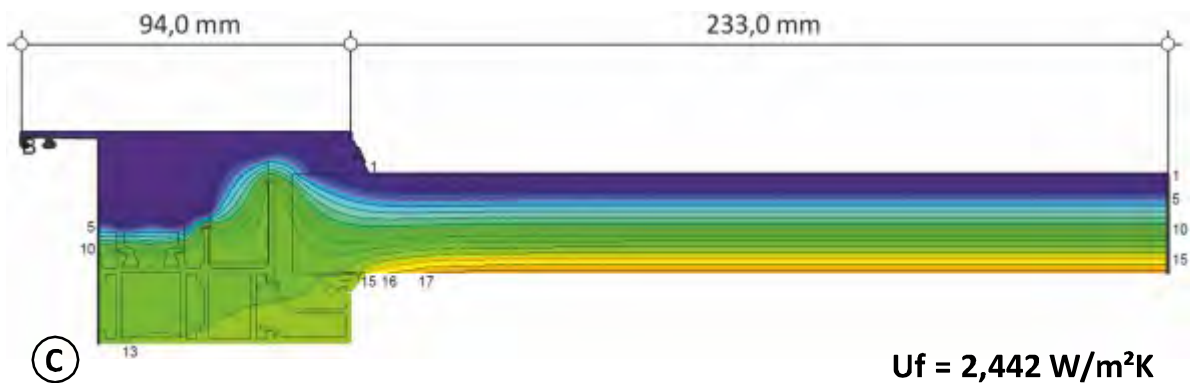
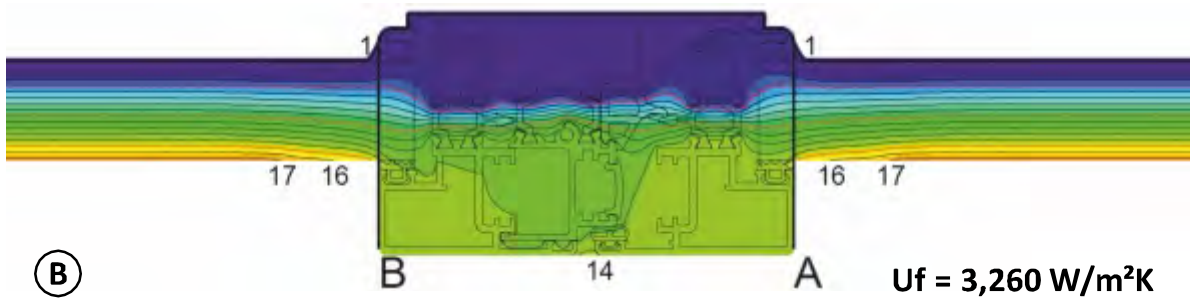
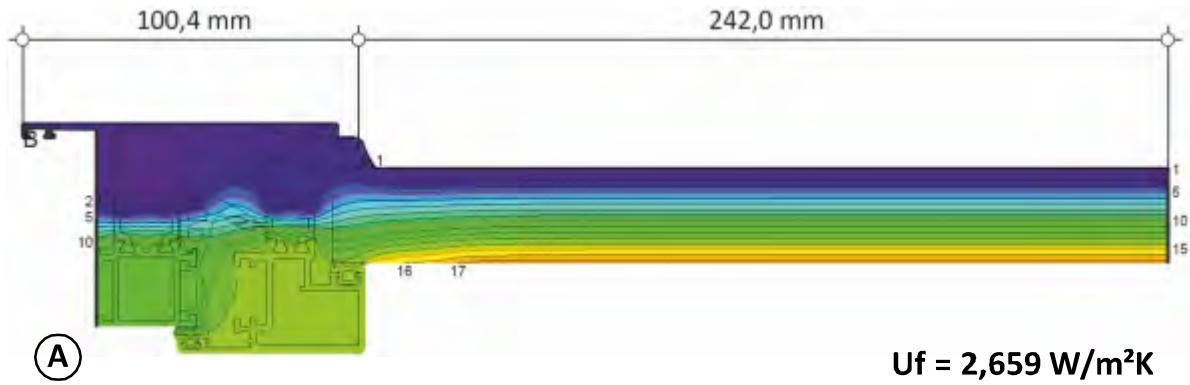
(OUTER TEMPERATURE)

**İÇ ORTAM SICAKLIĞI : 20°C**

(ROOM TEMPERATURE)

**BAĞIL NEM : %50**

(RELATIVE HUMIDITY)



\* EN 10077-2 standardına göre; iç ortam sıcaklığı 20°C, dış ortam sıcaklığı 0°C ve bağıl nem %50 olarak alınmıştır.  
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## STATİK HESAPLAMALARDA KABULLER

### THE ACCEPTANCES OF STATIC CALCULATIONS

**STATİK HESAPLARDA KULLANILAN STANDARTLAR** (STANDARDS USING WITH STATIC CALCULATIONS):

**TS 498 (DIN 1055) , TS EN 13830**

**STATİK HESAPLARDA KULLANILAN YÜKLER** (LOADS USING WITH STATIC CALCULATIONS):

**1-Yatay Rüzgar Yükleri** (Horizontal Wind Load)

**2-Düşey Cam Yükleri** (Vertical Glass Load)

**3-Kar Yükleri** (Snow Load)

**Rüzgar Yükleri** (Wind Load) :

Statik hesaba başlamadan önce rüzgar şekil katsayısı tayin edilerek binanın yüksekliğine göre aşağıdaki tablodan seçilen rüzgar yükü referans değer olarak alınır. (Before the static calculation, first determine the shape coefficient of wind and then according to the height of the building select the wind load value from the table below.)

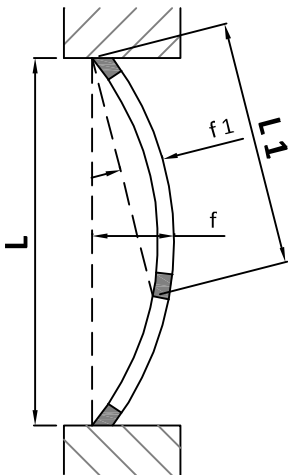
**Rüzgar şekil katsayısı** (Shape coefficient of wind) :

Binanın boyu (height of building) / binanın en dar eni (minimum width of building) < 5 : **c = 1.2**

Binanın boyu (height of building) / binanın en dar eni (minimum width of building) > 5 : **c = 1.6**

RÜZGAR ŞEKİL KATSAYISI SHAPE COEFFICIENT OF WIND	ZEMİNDEN YÜKSEKLİK (m) GROUND ELEVATION	RÜZGAR HIZI (m/s) WIND SPEED	HIZ BASINCI (kg/m <sup>2</sup> ) ABSORPTION	RÜZGAR YÜKÜ (kg/m <sup>2</sup> ) WIND LOAD
<b>1.2</b>	0 - 8	28	50	60
	9 - 20	36	80	96
	21 - 100	42	110	132
	> 100	46	130	156
<b>1.6</b>	0 - 8	28	50	80
	9 - 20	36	80	128
	21 - 100	42	110	176
	> 100	46	130	208

**STATİK HESAPLARDA SEHİM KABULÜ** (DEFLECTION ACCEPTANCE OF STATIC CALCULATIONS):



**Tek camlarda** (at single glass);

MESNET AÇIKLIĞI SUPPORT CLEARNESS	AZAMI SEHİM MAXIMUM DEFLECTION
L < 3m	f = L / 200
L > 3m	f = L / 300

**Çift camlarda** (at double glass);

ARA KAYIT YOKSA ; ( IF IT HAS NO TRANSOM )	
L ≥ 3m	f = max. 0,8cm
L < 2m	f = L / 200
ARA KAYIT VARSA ; ( IF IT HAS TRANSOM )	
a) Camların boyları L1 ; ( If the glass height L1 )	
L1 ≤ 2,4m	f1 ≤ L1 / 300
L1 > 2,4m	f1 ≤ 0,8cm
b) Profillerin boyları L ; ( If the profile length L )	
L ≤ 3m	f1 ≤ L / 200
L > 2m	f1 ≤ L / 300

**KISALTMALARIN ANLAMLARI**

EXPLANATIONS OF ABBREVIATIONS

**W:** Rüzgar yükü (Wind load)

**c:** Rüzgar şekil katsayısı (Wind shape c.)

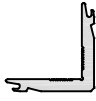
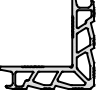













**q:** Emme hız basıncı (Speed pressure)

**V:** Rüzgar hızı (Wind speed)

**L:** Düşey açıklık (Vertical clearance)

**E:** Elastisite modülü (Elasticity modulus)

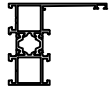
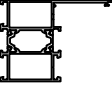
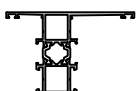
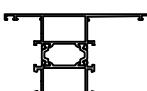
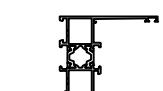
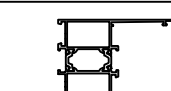
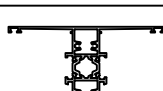
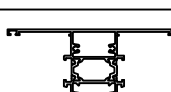
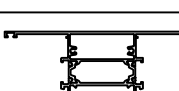
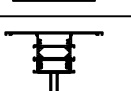
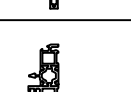
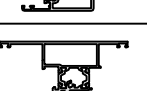
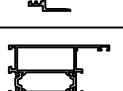
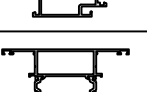
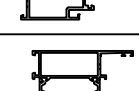
**f:** Maksimum sehım (Max. deflection)




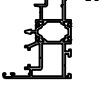
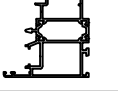
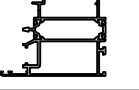
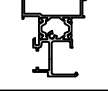


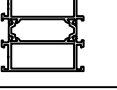
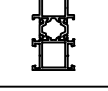
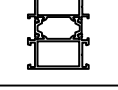
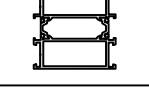
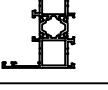
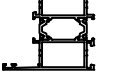
PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
20234		<b>KÖŞE TAKOZU PROFİLİ</b> CORNER CLEAT PROFILE	-	2,553	41
20301		<b>KÖŞE TAKOZU PROFİLİ</b> CORNER CLEAT PROFILE	-	2,564	41
20404		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,327	42
20407		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,360	42
20409		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,208	42
20410		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,229	42
20411		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,255	42
20412		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,275	42
20413		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,295	42
20414		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,310	42
20415		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,326	42
20416		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,358	42
20417		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,391	42
20418		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,408	42
20419		<b>CAM ÇİTASI PROFİLİ</b> GLAZING BEAD PROFILE	-	0,424	20

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
20500		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,234	30
20501		<b>GİZLİ KANAT İÇİN ADAPTÖR PROFİLİ</b> ADAPTER PROFILE FOR HIDDEN VENT	-	0,125	34
20519		<b>HEMYÜZ KAPI ADAPTÖR PROFİLİ</b> ADAPTER PROFILE FOR FLUSH DOORS	-	0,270	36
20521		<b>T BAĞLANTI PROFİLİ</b> T CONNECTION PROFILE	-	0,597	41
20522		<b>U BAĞLANTI PROFİLİ</b> U CONNECTION PROFILE	-	1,034	41
20523		<b>KÖŞE TAKOZU PROFİLİ</b> CORNER CLEAT PROFILE	-	3,793	41
20524		<b>KÖŞE TAKOZU PROFİLİ</b> CORNER CLEAT PROFILE	-	5,273	41
20529		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,296	30
20531		<b>KÖŞE TAKOZU PROFİLİ</b> CORNER CLEAT PROFILE	-	3,145	41
20538		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,241	30
20539		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,204	30
20540		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,289	30
20542		<b>KİLİT KARŞILIĞI PROFİLİ</b> LOCKING STRIKER PROFILE	-	0,299	41
20543		<b>KİLİT KARŞILIĞI PROFİLİ</b> LOCKING STRIKER PROFILE	-	0,183	41
20544		<b>GİZLİ KANAT İÇİN T BAĞLANTI PROFİLİ</b> T CONNECTION PROFILE FOR HIDDEN VENT	-	0,807	41

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
20557		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,312	36
20559		<b>GİZLİ KANAT İÇİN ADAPTÖR PROFİLİ</b> ADAPTER PROFILE FOR HIDDEN VENT	-	0,246	34
20560		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	-	0,346	41
20561		<b>GİZLİ KANAT İÇİN ADAPTÖR PROFİLİ</b> ADAPTER PROFILE FOR HIDDEN VENT	-	0,496	34
BM60101		<b>L KASA PROFİLİ</b> L SHAPED FRAME PROFILE	18,83 5,91	1,294	19
BM60102		<b>L KASA PROFİLİ</b> L SHAPED FRAME PROFILE	24,15 14,77	1,537	19
BM60103		<b>L KASA PROFİLİ</b> L SHAPED FRAME PROFILE	25,88 37,76	1,855	19
BM60104		<b>T KASA PROFİLİ</b> T SHAPED FRAME PROFILE	20,90 9,97	1,388	20
BM60105		<b>T KASA PROFİLİ</b> T SHAPED FRAME PROFILE	25,18 21,37	1,632	20
BM60106		<b>T KASA PROFİLİ</b> T SHAPED FRAME PROFILE	30,64 43,05	1,949	20
BM60107		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	24,30 7,40	1,388	21
BM60108		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	31,55 15,70	1,631	21
BM60109		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	47,05 26,52	1,949	21
BM60110		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	33,53 10,09	1,507	22

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60111		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	44,74 17,26	1,750	22
BM60112		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	23,10 10,29	1,572	23
BM60113		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	27,44 22,70	1,815	23
BM60114		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	45,61 32,26	2,106	23
BM60115		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	32,48 8,20	1,550	24
BM60116		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	42,08 17,92	1,808	24
BM60117		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	57,60 27,94	2,078	36
BM60118		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	30,66 10,87	1,704	25
BM60119		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	36,01 24,17	1,949	25
BM60120		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	48,63 42,11	2,224	25
BM60124		<b>TAKVİYELİ ORTA KAYIT PROFİLİ</b> REINFORCEMENT TRANSOM PROFILE	81,61 13,54	2,166	28
BM60125		<b>TAKVİYELİ ORTA KAYIT PROFİLİ</b> REINFORCEMENT TRANSOM PROFILE	123,48 32,31	2,573	28
BM60126		<b>TAKVİYELİ ORTA KAYIT PROFİLİ</b> REINFORCEMENT TRANSOM PROFILE	151,96 33,74	2,659	28
BM60128		<b>TAKVİYELİ ORTA KAYIT PROFİLİ</b> REINFORCEMENT TRANSOM PROFILE	164,32 46,35	2,971	29
BM60129		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	20,32 9,87	1,385	30

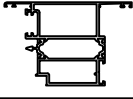



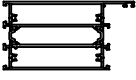




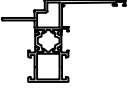





PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60130		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	25,97 9,75	1,413	31
BM60131		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	35,21 17,16	1,656	31
BM60132		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	26,09 15,88	1,508	31
BM60133		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	36,11 24,41	1,751	32
BM60134		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	45,84 11,42	1,627	32
BM60135		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	60,69 17,93	1,869	32
BM60136		<b>GİZLİ KANAT İÇİN ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR HIDDEN VENT	28,51 28,46	1,829	33
BM60137		<b>GİZLİ KANAT İÇİN ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR HIDDEN VENT	46,81 33,39	2,104	33
BM60138		<b>GİZLİ KANAT İÇİN ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR HIDDEN VENT	77,66 38,79	2,382	33
BM60139		<b>GİZLİ KANAT İÇİN ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR HIDDEN VENT	185,13 78,40	3,261	33
BM60141		<b>GİZLİ KANAT PROFİLİ</b> HIDDEN VENT PROFILE	20,19 7,50	1,426	34
BM60142		<b>GİZLİ KANAT PROFİLİ</b> HIDDEN VENT PROFILE	25,93 21,17	1,645	34
BM60143		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	44,29 33,22	1,921	35
BM60144		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	46,99 41,46	2,014	35
BM60145		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	54,09 32,43	2,023	35

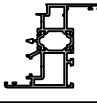
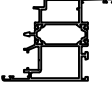
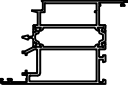



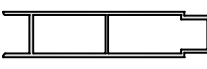






PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60162		İLAVE PROFİL ADDITIONAL PROFILE	15,30 3,88	1,200	39
BM60163		İLAVE PROFİL ADDITIONAL PROFILE	19,47 12,04	1,442	39
BM60164		İLAVE PROFİL ADDITIONAL PROFILE	28,50 26,55	1,761	39
BM60165		PVC KANALLI KANAT PROFİLİ VENT PROFILE WITH PVC GROOVE	34,88 9,73	1,616	38
BM60166		PVC KANALLI KANAT PROFİLİ VENT PROFILE WITH PVC GROOVE	45,29 20,01	1,873	38
BM60167		PVC KANALLI KANAT PROFİLİ VENT PROFILE WITH PVC GROOVE	65,15 32,22	2,167	38
BM60168		PVC KANALLI ADAPTÖR PROFİLİ VENT ADAPTER PROFILE WITH PVC GROOVE	20,37 9,90	1,389	40
BM60201		L KASA PROFİLİ L SHAPED FRAME PROFILE	21,45 6,84	1,444	19
BM60202		L KASA PROFİLİ L SHAPED FRAME PROFILE	27,44 16,77	1,733	19
BM60203		L KASA PROFİLİ L SHAPED FRAME PROFILE	29,43 40,49	2,054	19
BM60204		T KASA PROFİLİ T SHAPED FRAME PROFILE	23,52 10,75	1,539	20
BM60205		T KASA PROFİLİ T SHAPED FRAME PROFILE	28,74 23,23	1,827	20
BM60206		T KASA PROFİLİ T SHAPED FRAME PROFILE	34,53 45,53	2,148	20
BM60207		Z KASA PROFİLİ Z SHAPED FRAME PROFILE	26,66 8,36	1,538	21
BM60208		Z KASA PROFİLİ Z SHAPED FRAME PROFILE	34,58 18,02	1,826	21

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60209		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	51,02 29,57	2,148	21
BM60210		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	35,70 11,44	1,657	22
BM60211		<b>Z KASA PROFİLİ</b> Z SHAPED FRAME PROFILE	47,65 19,96	1,946	22
BM60212		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	25,04 10,46	1,677	23
BM60213		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	30,32 23,42	1,980	23
BM60214		<b>KASA İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR FRAME	47,64 36,22	2,309	23
BM60215		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	35,91 9,21	1,717	24
BM60216		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	46,27 20,24	2,010	24
BM60217		<b>İÇE AÇILIR KANAT PROFİLİ</b> VENT PROFILE FOR INWARD OPENING	62,89 32,53	2,332	36
BM60218		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	33,51 11,09	1,826	25
BM60219		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	40,08 25,04	2,115	25
BM60220		<b>KANAT İÇİ ORTA KAYIT PROFİLİ</b> TRANSOM PROFILE FOR VENT	51,00 47,57	2,446	25
BM60221		<b>ETEK PROFİLİ</b> SILL PROFILE	88,47 54,08	2,676	26
BM60222		<b>ETEK PROFİLİ</b> SILL PROFILE	61,06 119,5	2,986	26
BM60223		<b>ETEK PROFİLİ</b> SILL PROFILE	68,62 194,6	3,294	26



PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60224		<b>ETEK PROFİLİ</b> SILL PROFILE	75,70 268,6	3,601	27
BM60227		<b>TAKVİYELİ ORTA KAYIT PROFİLİ</b> REINFORCEMENT TRANSOM PROFILE	204,1 37,30	3,001	28
BM60230		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	28,31 10,99	1,563	31
BM60231		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	38,28 19,86	1,852	31
BM60232		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	28,51 17,13	1,658	31
BM60233		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	38,85 27,41	1,947	32
BM60234		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	47,88 13,02	1,777	32
BM60235		<b>GİZLİ KANAT İÇİN KASA PROFİLİ</b> FRAME PROFILE FOR HIDDEN VENT	63,57 20,78	2,064	32
BM60243		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	48,18 36,39	2,131	35
BM60244		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	49,51 45,80	2,227	35
BM60245		<b>HEMYÜZ KAPI KASA PROFİLİ</b> FRAME PROFILE FOR FLUSH DOORS	57,97 36,05	2,239	35
BM60246		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	46,23 36,73	2,158	37
BM60247		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	47,40 45,49	2,229	37
BM60248		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	49,05 32,73	2,104	37
BM60249		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	42,76 41,70	2,135	37

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60250		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	54,05 43,50	2,298	36
BM60251		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	16,97 3,22	1,080	37
BM60252		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	18,35 4,32	1,147	37
BM60253		<b>ADAPTÖRLÜ HEMYÜZ KAPI PROFİLİ</b> PROFILE FOR FLUSH DOORS WITH ADAPTER	19,03 4,45	1,193	37
BM60254		<b>ETEK PROFİLİ</b> SILL PROFILE	44,69 121,37	2,872	27
BM60255		<b>ETEK PROFİLİ</b> SILL PROFILE	53,99 222,1	3,387	27
BM60256		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	13,37 10,94	1,158	29
BM60257		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	27,76 28,58	1,628	29
BM60258		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	18,14 8,22	1,332	30
BM60259		<b>ADAPTÖR PROFİLİ</b> ADAPTER PROFILE	25,94 11,18	1,450	30
BM60260		<b>İLAVE PROFİL</b> ADDITIONAL PROFILE	42,54 108,95	2,898	40
BM60261		<b>İLAVE PROFİL</b> ADDITIONAL PROFILE	51,67 204,9	3,307	40
BM60262		<b>İLAVE PROFİL</b> ADDITIONAL PROFILE	17,85 4,48	1,350	39
BM60263		<b>İLAVE PROFİL</b> ADDITIONAL PROFILE	22,96 13,70	1,638	39
BM60264		<b>İLAVE PROFİL</b> ADDITIONAL PROFILE	31,52 8,65	1,960	39

PROFİL NUM. PROFILE NO.	ÇİZİM DRAWING	TANIM DESCRIPTION	STATİK Jx (cm <sup>4</sup> ) Jy (cm <sup>4</sup> )	AĞIRLIK WEIGHT (kg/m)	SAYFA PAGE
BM60265		<b>PVC KANALLI KANAT PROFİLİ</b> VENT PROFILE WITH PVC GROOVE	<b>37,94</b> <b>10,68</b>	<b>1,759</b>	<b>38</b>
BM60266		<b>PVC KANALLI KANAT PROFİLİ</b> VENT PROFILE WITH PVC GROOVE	<b>49,11</b> <b>22,46</b>	<b>2,064</b>	<b>38</b>
BM60267		<b>PVC KANALLI KANAT PROFİLİ</b> VENT PROFILE WITH PVC GROOVE	<b>69,80</b> <b>37,20</b>	<b>2,409</b>	<b>38</b>
S5671-00		<b>TİJ PROFİLİ</b> ROD PROFILE	-	<b>0,145</b>	<b>30</b>
2000-12		<b>SÖVE PROFİLİ</b> DURN PROFILE	-	<b>0,395</b>	<b>40</b>
2000-20		<b>SÖVE PROFİLİ</b> DURN PROFILE	-	<b>0,635</b>	<b>40</b>
3080-20		<b>LAMBRI PROFİLİ</b> PANEL PROFILE	-	<b>1,482</b>	<b>40</b>
5690-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,310</b>	<b>40</b>
5691-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,335</b>	<b>40</b>
5692-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,300</b>	<b>40</b>
5694-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,280</b>	<b>40</b>
5695-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,255</b>	<b>40</b>
8397-15		<b>KÖR KASA T PROFİLİ</b> T PROFILE FOR FRAME	-	<b>0,385</b>	<b>40</b>