

AXEL
BİOCLİMATİC

ZYLO
ZİP PERDE

PERLA
SÜRME

LUMİNA
CAM TAVAN

DORMA
GİYOTİN

VENTO
PERGOLA



Alüminyum Cam Balkon Sistemleri



www.gunteralu.com





Sistemlerimiz tüm hava koşullarına, hatta çok ekstrem koşullara bile dayanıklıdır.

15 yılı aşkın deneyimimiz ve alanınız için çözüm sunabilme yeteneğimiz sayesinde güvenilir sistemler sağlıyoruz.

Dış mekân kapalı alanınızdan elde etmek istediğiniz ihtiyaçları karşılamak için deneyimimizi ve bilgimizi kullanıyoruz.

Teknik ve tasarım açısından yenilikçi yapıya sahip yüksek kaliteli ürünlerimiz başarımızın temelini oluşturur.

Ürettiğimiz her sistem, temel işlevinin ötesinde ekstra bir değer sunarak müşterinin kullanımından daha fazla fayda elde etmesini sağlar.



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BIOCLIMATIC & ROLLING ROOF

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ROLLING ROOF
PERGOLA
GUILLOTINE

GUNTER
ALUMINIUM PROFILE SYSTEMS



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GUNTER

BİOKLİMATİK

Projeksiyon (açılım) ölçüleri, proje gereksinimlerine göre özelleştirilebilir ve 8,5 metreye kadar her ölçüde üretilebilir.

LED aydınlatma sistemi, kullanımda pratiklik ve esneklik sağlarken, uzaktan kumanda ile ortamın parlaklık seviyesinin istenilen şekilde ayarlanmasına olanak tanır.

Ayrıca, çatı panelleri müşteri talebine bağlı olarak ısı ve ses yalıtımını artırmak amacıyla köpük ile doldurulabilir.

Tasarladığımız her sistemde tüm detaylara odaklanarak en yüksek koruma seviyesini sağlıyoruz. Sistemler, tüm parametrelerde benzersiz tasarımlar ile standart olarak üretilmektedir.

Uzaktan kumandalı motor sistemi ile donatılan özel üretim direct drive motor teknolojisi, daha akıcı ve daha sessiz bir çalışma sağlayarak kullanıcılara konforlu bir yaşam alanı sunar.

Sistem; şiddetli rüzgâr, yoğun yağmur, dolu ve aşırı güneş ışığı gibi zorlu hava koşullarına dayanacak şekilde tasarlanmıştır. Dış mekân uygulamalarında üstün performans sağlayan yüksek kaliteli 10M ekstrüzyon alüminyum profiller kullanılarak boyutlandırılmıştır.

Sistem, en yoğun yağmurda bile suyun kolayca tahliye edilmesini sağlayan entegre bir oluk sistemine sahiptir. Ayrıca özel geometrilili çatı panel profili sayesinde su, çatı panelleri üzerinden akarak kolayca oluğa yönlendirilir.

Birçok lamel tahrik plakası, hareket sistemini destekler. Motor gücü, lamel tahrik plakaları ve tetik kayışı aracılığıyla panellere aktarılır. Bu sayede çatı panelleri kademeli olarak açılabilir (Bioclimatic sistemde 105°, Rolling sistemde 60°) ve paneller arka tarafta yan yana toplanabilir.

Sistem uzaktan kumanda ile kontrol edilir ve 24 m²'ye kadar alanı koruyabilir. Gerektiğinde birden fazla sistem birbirine bağlanabilir. Özgün tasarıma sahip profil ve bağlantı kitleri sayesinde %100 su geçirmez birleşim sağlanarak her hava koşulunda kolay kullanım sunar.

Tüm profillerde çevresel koşullara karşı yüzey koruması termoset elektrostatik toz boya ile sağlanmaktadır. Sistem ömrünü uzatmak amacıyla tüm civata, vida ve pimler yüksek kaliteli paslanmaz çelik veya yüzeyi kaplanmış alaşımlı çelik malzemelerden seçilmiştir.

GUNTER çatı panel profilleri, her sistemde 7 metreye kadar genişlik sağlayabilmek için özel su koruma yan kanalları ve döküm alüminyum parçalar ile benzersiz bir tasarım ile geliştirilmiştir.

GUNTER hareketli bioklimatik alüminyum pergola sistemi, yılın dört mevsiminde ve tüm hava koşullarında dış mekân kullanımına olanak sağlayan tasarımıyla kullanıcılara konforlu bir açık alan sunar.

Sistem hareketi, üç katmanlı bariyer yapısına sahip ve içinde çok sayıda paslanmaz çelik tel ile güçlendirilmiş tetik kayışı ile sağlanır. Lamellerin her iki ucunda bulunan lamel bağlantı pimleri, lamellerin kırılgan profili içerisinde doğrusal hareket etmesini sağlar.



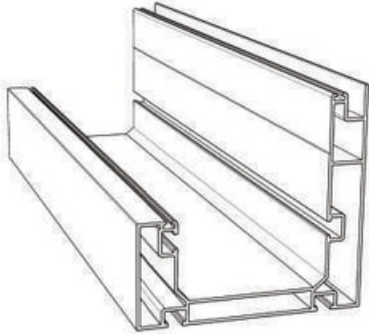
Bioklimatik Sistemlerde Kullanılan Alüminyumun Ana Parçaları



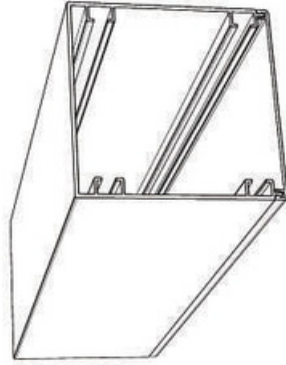
GU 3174
4,198 kg/m



GU 3175
1,084 kg/m



GU 3171
4,691 kg/m

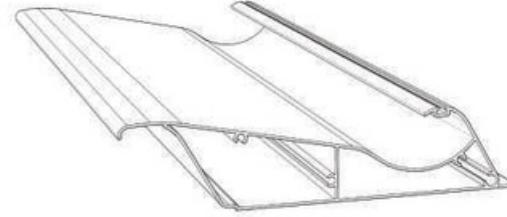


GU 3174
4,198 kg/m

GU 3175
1,084 kg/m



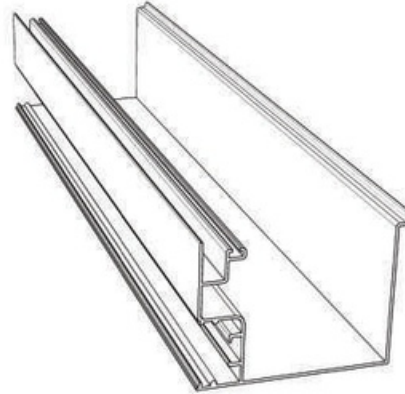
GU 3170
6,859 kg/m



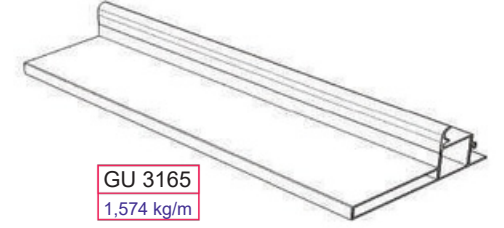
GU 3166
3,412 kg/m



GU 3173
1,152 kg/m



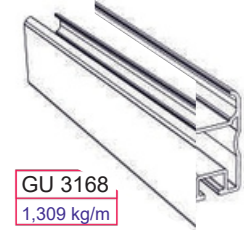
GU 3167
1,558 kg/m



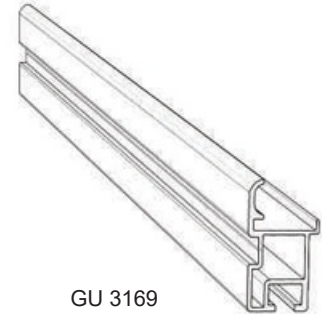
GU 3165
1,574 kg/m



GU 3172
1,398 kg/m



GU 3168
1,309 kg/m



GU 3169
1,135 kg/m



Elektrik motoru ile çalışır ve yüksek kaliteli conta tapaları ile sızdırmazlığı sağlanarak her türlü hava koşulunda kullanılabilen tamamen yalıtılmış bir alan sunar.

Dönerbilir Alüminyum Motorlu Panell

GU 3166



1

GU 3172



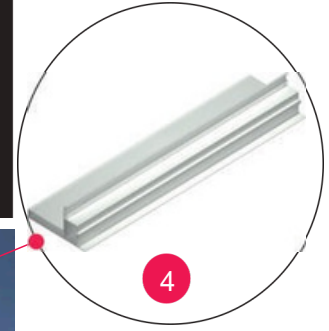
2

GU 3171



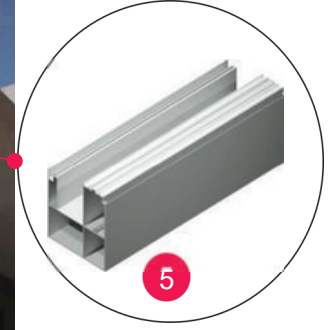
3

GU 3165



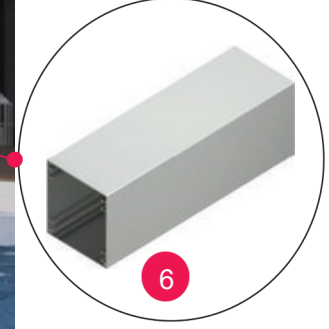
4

GU 3170



5

GU 3174



6



1 **Panel**

2 **Kaplama**

3 **Oluk**

4 **Ray Bağlantı Parçası**

5 **Ray**

6 **Direk**



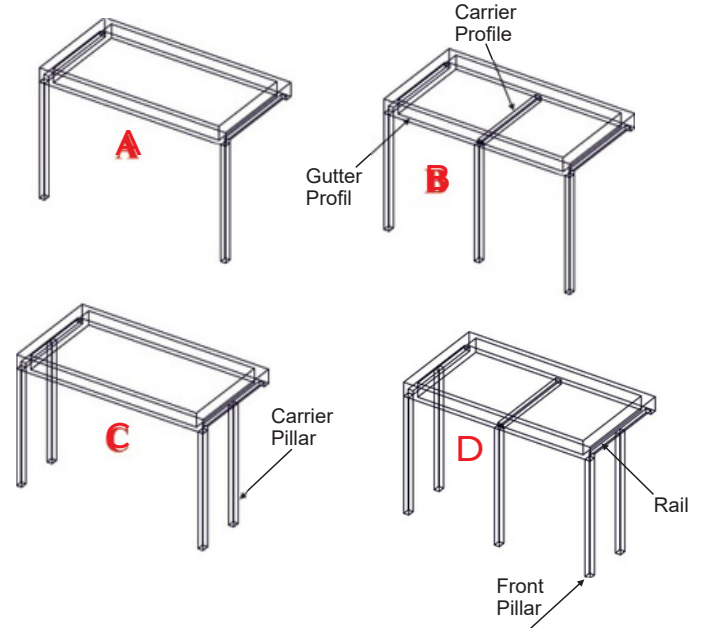
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ROLLING ÇATI SİSTEMLERİNİN YAPISAL HESABI

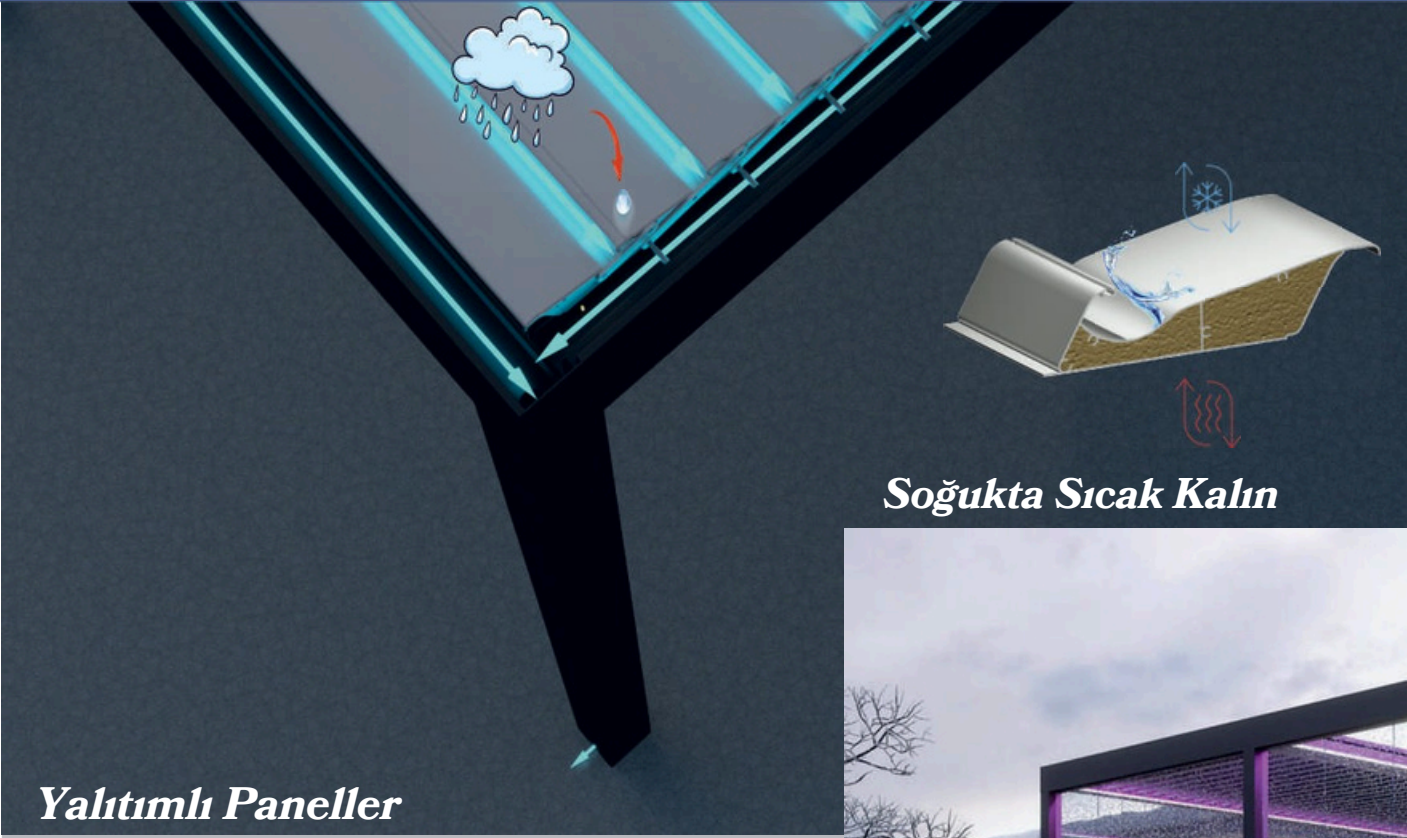
Proje / mm	Genişlik/ mm									
	MIN	3000	3500	4000	4500	5000	5500	6000	6500	7000
3000		A	A	A	A	B	B	B	B	B
3500		A	A	A	A	B	B	B	B	B
4000		A	A	A	A	B	B	B	B	B
4500		A	A	A	A	B	B	B	B	B
5000		A	A	A	A	B	B	B	B	B
5500		A	A	A	A	B	B	B	B	
6000		A	A	A	A	B	B	B	B	
6500		C	C	C	C	D	D	D	D	
7000		C	C	C	C	D	D			
7500		C	C	C	C	D	D			
8000		C	C	C	C					
8500		C	C	C	C					
		C	C	C	C					
		C	C	C						
		C	C	C						
										MAX

ROLLING ROOF Dizayn



- Kurulum Malzemesi
- Tente / Kaplama Malzemesi
- Teknik Özellikler
- Seçenekler ve Aksesuarlar
- Tarz / Stil
- Ekolojik Özellikler
- Renk
- Düz Lamelli,
- Güneşlik Panjurlu (Özelleştirilebilir),
- Rolling Bioklimatik,
- Motorlu,
- Rüzgâr Dayanıklı,
- Entegre LED Işıklı,
- Modern Tasarım,
- Enerji Tasarruflu,
- Geri Dönüştürülebilir, %100 Geri Dönüştürülebilir



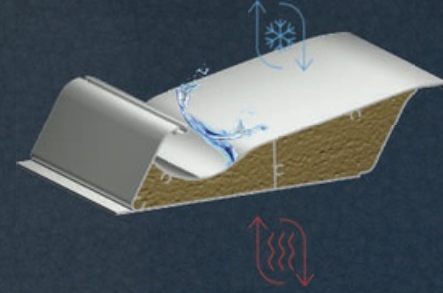


Yalıtımlı Paneller

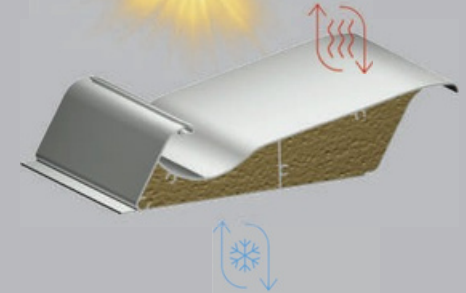
Kışın sıcak havadaki kayıpları ve yazın soğuk havadaki kayıpları önemli ölçüde azaltır.

Paneller, ekstra konfor sağlamak için Poliüretan Köpük ile doldurulabilir.

Soğukta Sıcak Kalın

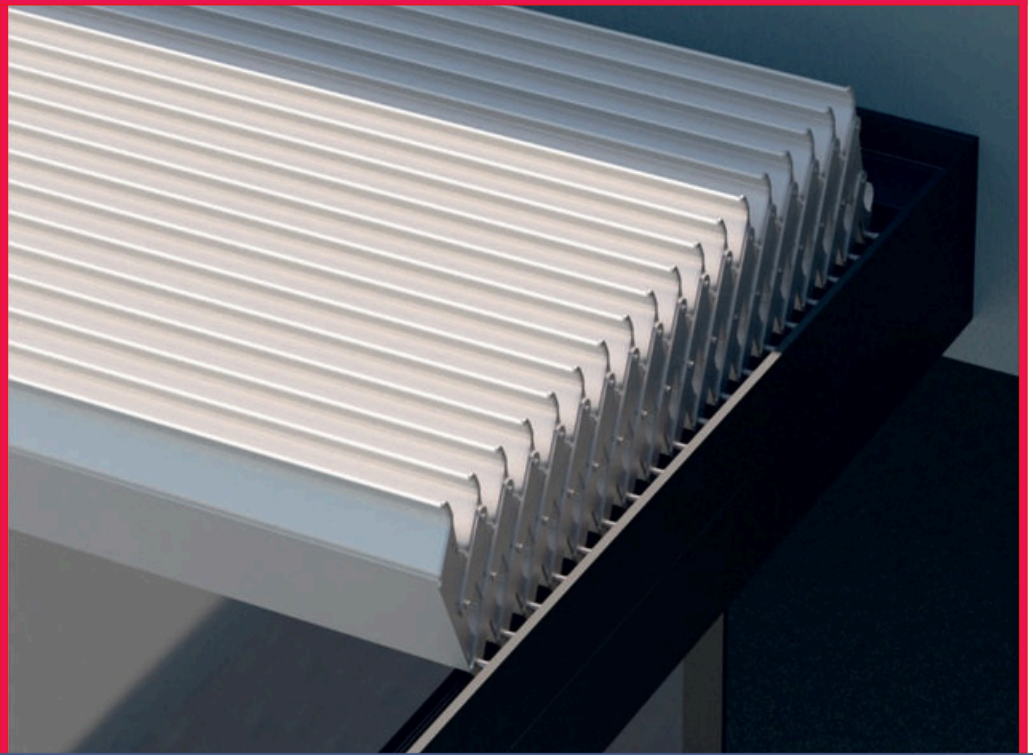


Sıcakta Serin Kalın



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Panellerin yüzeyine düşen yağmur suyu veya kar, sistem çevresine monte edilmiş oluklara yönlendirilir, direk içindeki borulara aktarılır ve sonunda tahliye edilir.



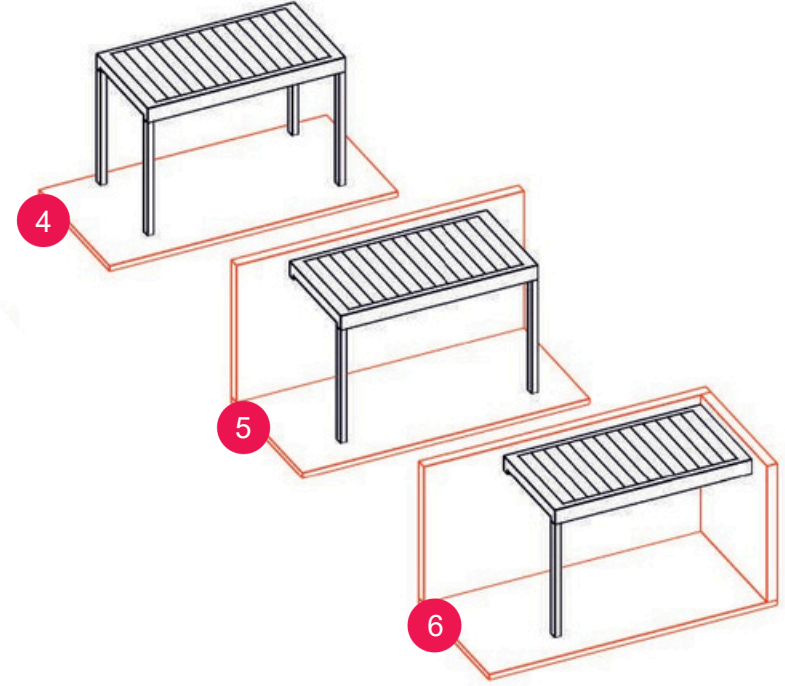
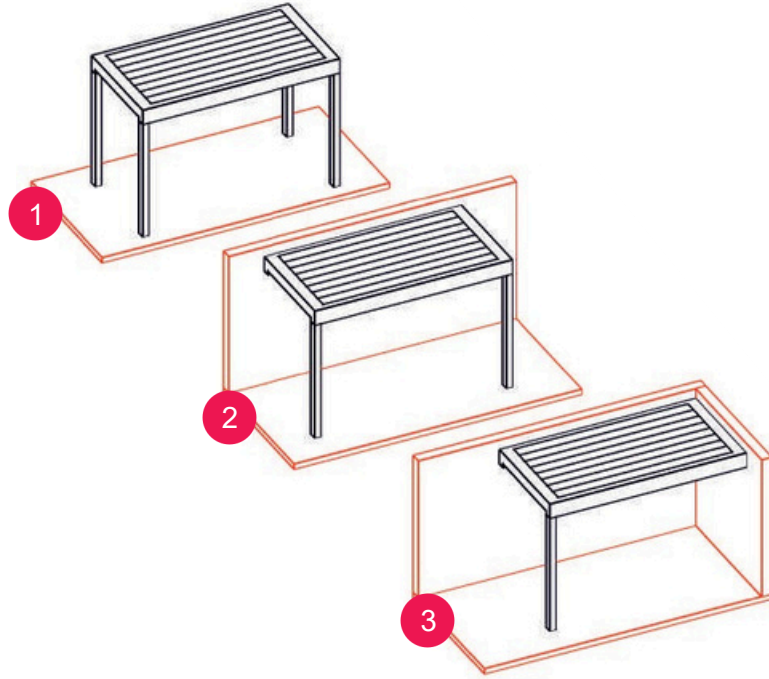
Üstten görünüm, panellerin üst konumunu göstermektedir.



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BİOKİLMATİK UYGULAMA AŞAMALARI



- Kendi Ayaklı Tek Modül (Dikey Paneller)
- Duvara Tek Taraflı Monte (Dikey Paneller)
- Duvara İki Taraflı Monte (Dikey Paneller)
- Kendi Ayaklı Tek Modül (Yatay Paneller)
- Duvara Tek Taraflı Monte (Yatay Paneller)
- Duvara İki Taraflı Monte (Yatay Paneller)





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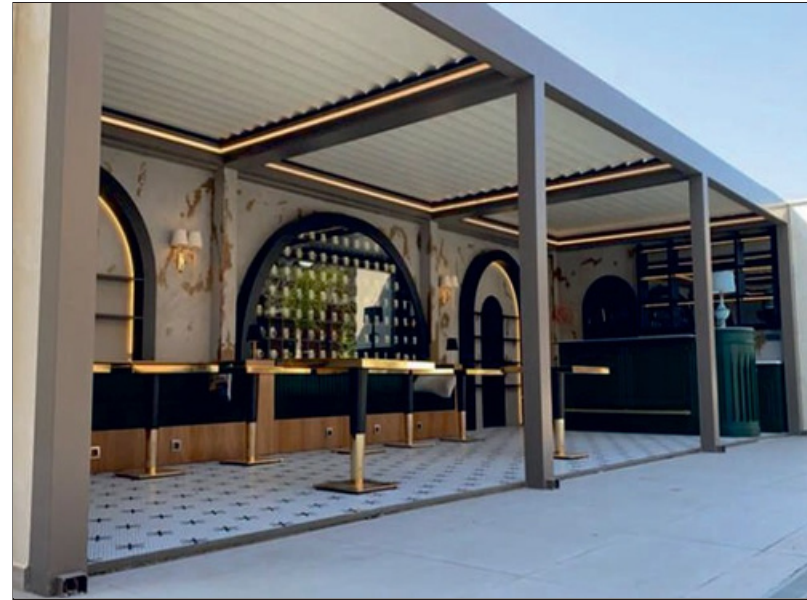
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Tek Parça Kiriş /
Travers

pr1005



Kapaklı Kiriş /Travers
(LED'li)

pr1004



RAY
pr1003



OLUK
pr1002

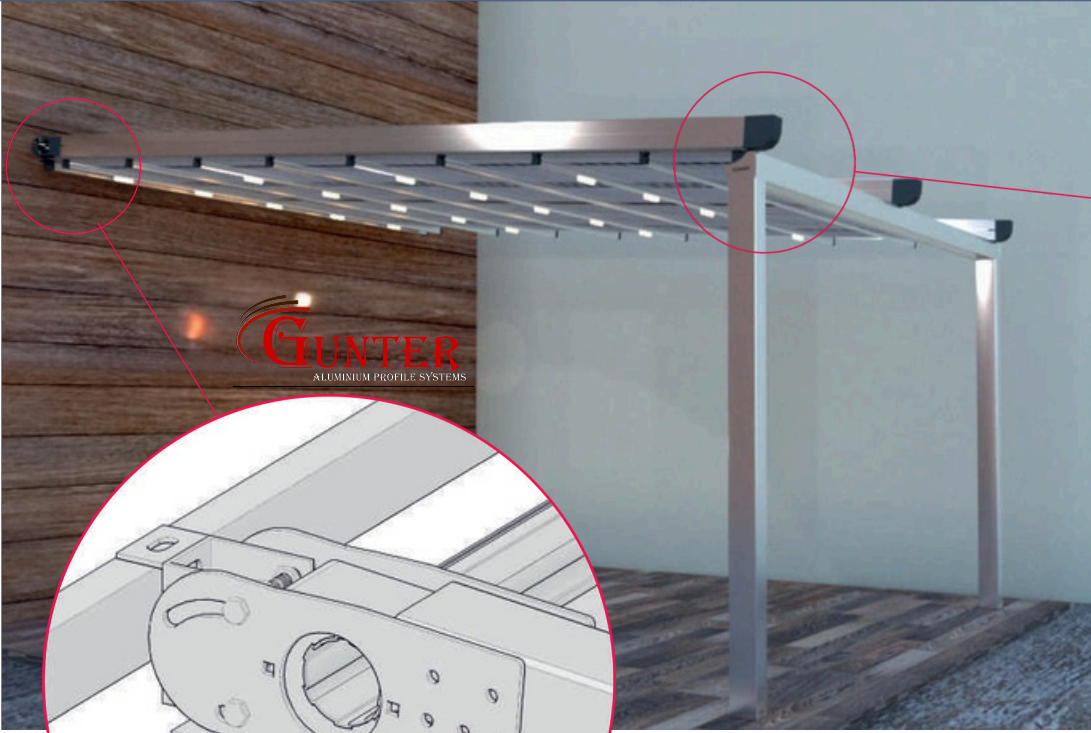


DİREK
pr1001

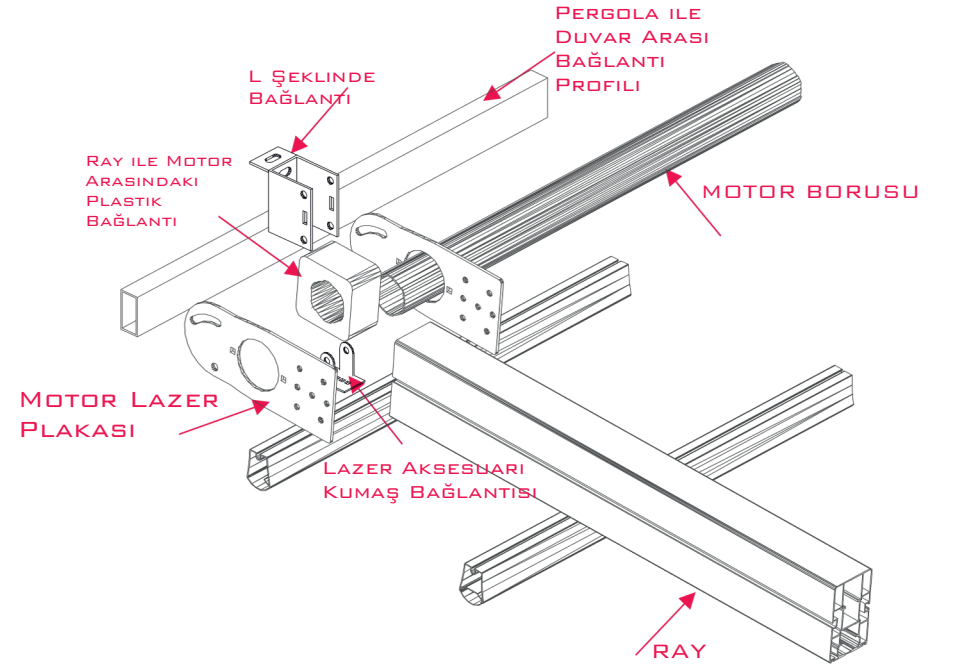
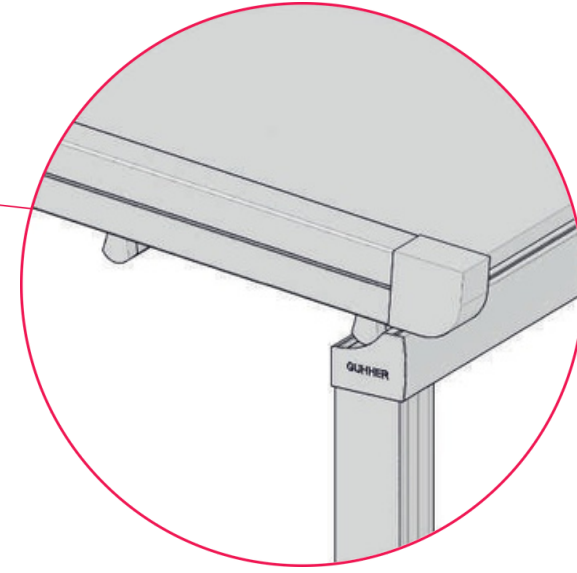


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FLAT_01



ARC_01



FLAT_02



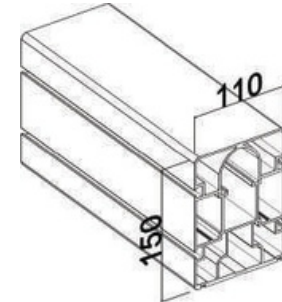
ARC_02



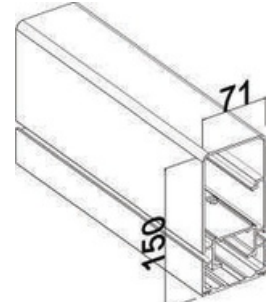
FLAT_03



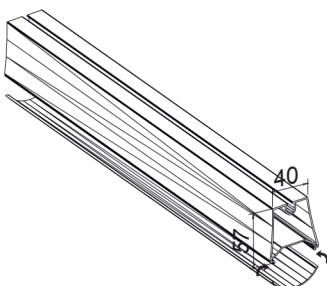
ARC_03



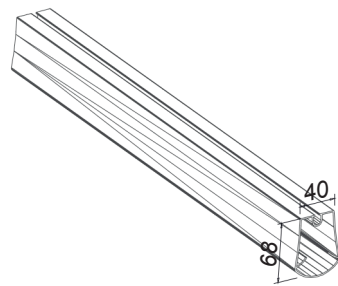
KALIN RAY



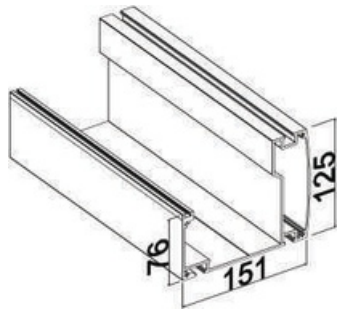
INCE RAY



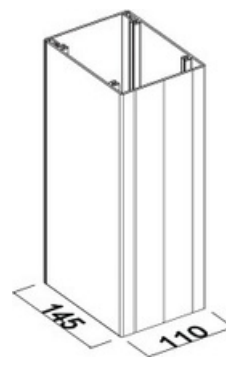
KAPAKLI KIRIŞ /
TRAVERS (LED'LI)



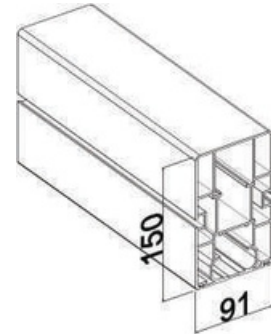
TEK PARÇA
KIRIŞ / TRAVERS



OLUK



DIREK



ORTA RAY





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Pergola Led Lighting

professional led system



RENK KOMBINASYONU

RAL KODLU TÜM RENKLERDEN SEÇEBİLİRSİNİZ

FABRICS TESTING

EN	TEST METHOD	PHFR 870
Base Fabric		PES
Coating		PVC
Yarn (Denier)		1000x1000
Weaving		10x10
Total Weight (gsm)	TS 251:1991 METOT 6	870
Width (cm)		250, 300, 320
Tensile Strength (N/5 cm)	TS 2008 EN ISO 1421:2000 METOT 1	2300/2400 (Warp/Weft)
Tear Resistance (N)	DIN 53363	330/280 (Warp/Weft)
Adhesion (daN/5 cm)	EN ISO 2411	7
Light Fastness	ISO 105 B04:1994	6+
Water Resistance (mmSS)	TS 257 EN 20811:1996	Min. 8000
Wear	TS EN 530:2011	Min. 9000 Rotation
Temperature Resistance		-40C +70C
Flame Reterdancy	DIN4102-B2, ISO 6941:2003	PASS



FABRIC COLORS



ALUMINUM COLORS



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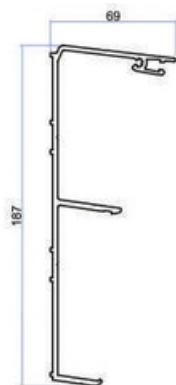
CAM TAVAN

LUMİNA CAM TAVAN

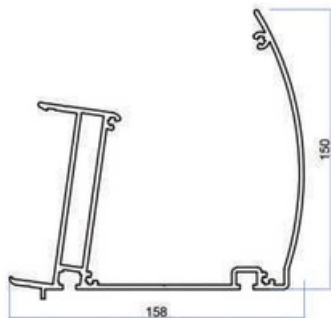
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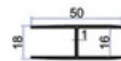
Profile No	kg/m
2004	2,555



Profile No	kg/m
2012	4,113



Profile No	kg/m
2011	0,890



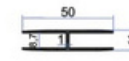
Profile No	kg/m
2539	0,290



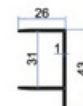
Profile No	kg/m
2538	0,210



Profile No	kg/m
2542	0,180



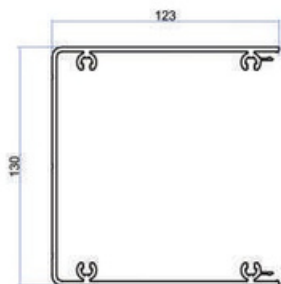
Profile No	kg/m
2543	0,230



Profile No	kg/m
2544	0,240



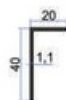
Profile No	kg/m
2545	0,285



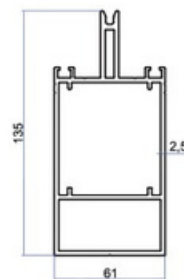
Profile No	kg/m
2009	3,050



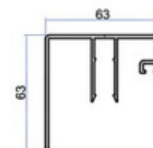
Profile No	kg/m
2010	1,025



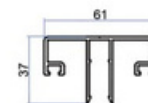
Profile No	kg/m
2394	0,177



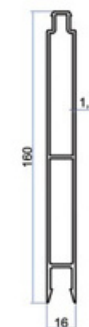
Profile No	kg/m
2005	3,230



Profile No	kg/m
2008	1,060



Profile No	kg/m
2007	0,925

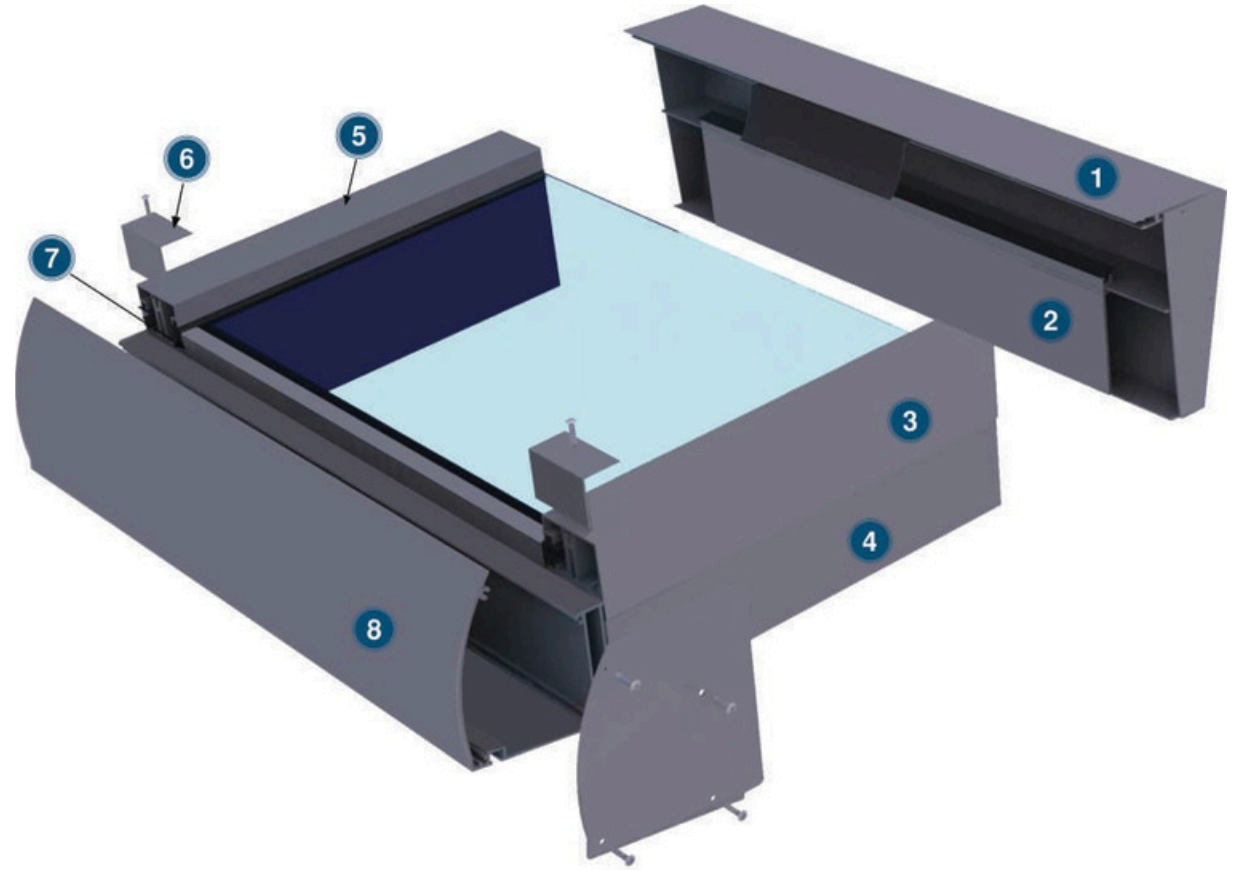


Profile No	kg/m
2546	1,591





- 1 2004 NOLU PROFİL
- 2 2011 NOLU PROFİL
- 3 2008 NOLU PROFİL
- 4 2005 NOLU PROFİL
- 5 2007 NOLU PROFİL
- 6 2394 NOLU PROFİL
- 7 2542 NOLU PROFİL
- 8 2012 NOLU PROFİL
- 9 2009 NOLU PROFİL
- 10 2010 NOLU PROFİL





Kış Bahçesi Arka Askı
Winter Garden Rear Hanger

Product Code: 2004

Weight kg/m: 2,555
(187 x 69 x 3mm)



Kış Bahçesi Ayak Kapak Profili
Winter Garden Foot Cover Profile

Product Code: 2010

Weight kg/m: 1,025
(130 x 17 x 2,4mm)

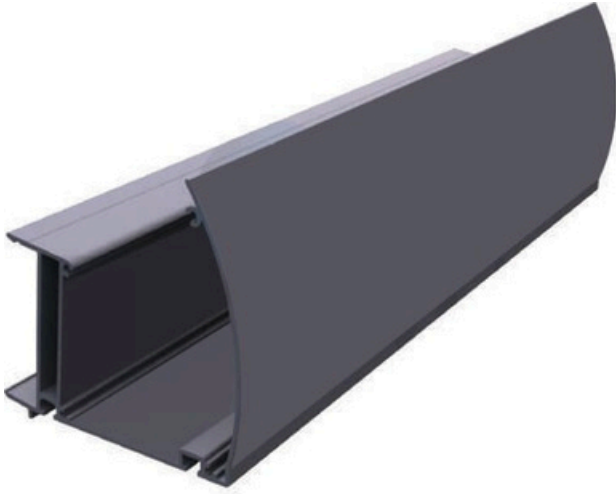


Kış Bahçesi Ayak Profili
Winter Garden Foot Profile

Product Code: 2009

Weight kg/m: 3,050
(130 x 124 x 2,4mm)





Kış Bahçesi Radüs Oluk
Winter Garden Radius Gutter

Product Code: 2012

Weight kg/m: 4,113
(150 x 158 x 2,5mm)



**Kış Bahçesi Kapak Profili
(Sağ ve Sol)**
*Winter Garden Cover Profile
(Right and Left)*

Product Code: 2008

Weight kg/m: 1,060
(63 x 63 x 1,8mm)



Kış Bahçesi Kapak Profili
Winter Garden Cover Profile

Product Code: 2007

Weight kg/m: 0,925
(37 x 63 x 1,8mm)



Kış Bahçesi Cam Tutucu
Winter Garden Glass Holder

Product Code: 2005

Weight kg/m: 3,230
(135 x 61 x 2,5mm)

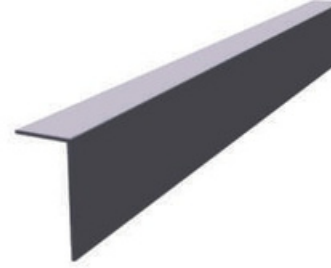




Kış Bahçesi Oluk ve Arka İç Kapak
*Winter Garden Gutter and
Rear Inner Cover*

Product Code: 2011

Weight kg/m: 0,890
(106 x 11 x 2,6mm)



Kış Bahçesi Köşebent
Winter Garden Bracket

Product Code: 2394

Weight kg/m: 0,177
(40 x 20 x 1,1mm)



8mm F Profil
8mm F Profile

Product Code: 2542

Weight kg/m: 0,180
(21 x 26 x 1mm)

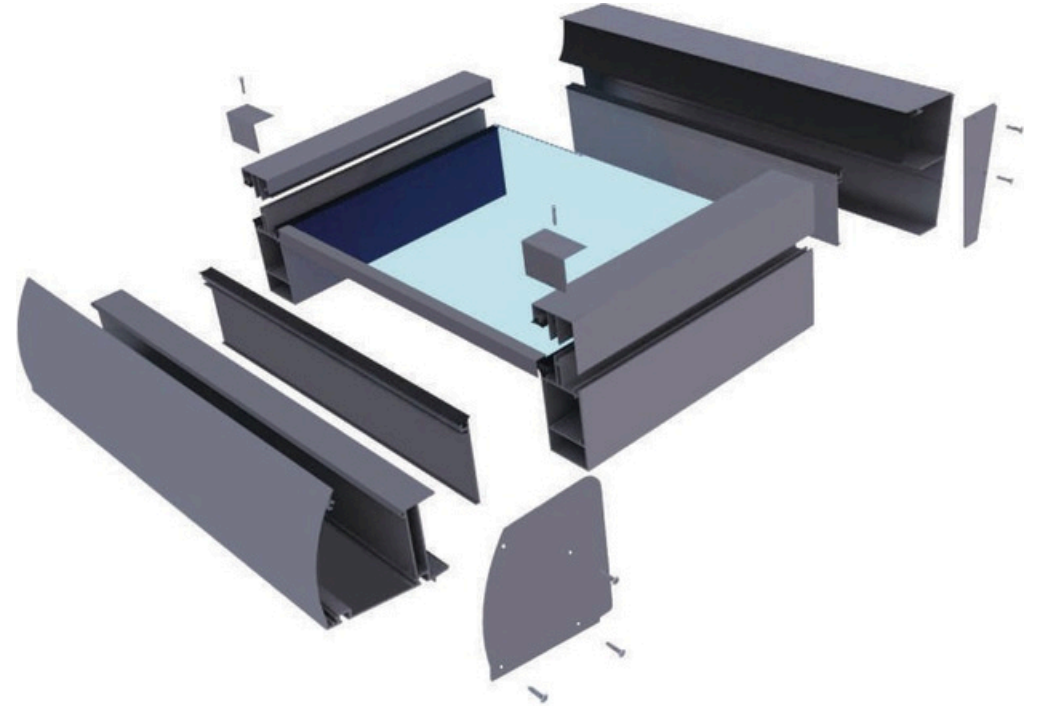


15x160 Lambiri
15x160 Paneling

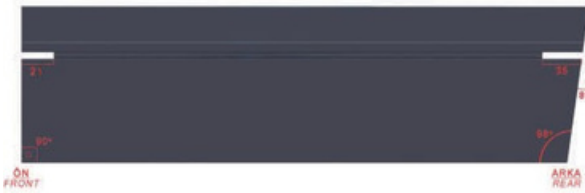
Product Code: 2546

Weight kg/m: 1,591
(160 x 16 x 1,6mm)

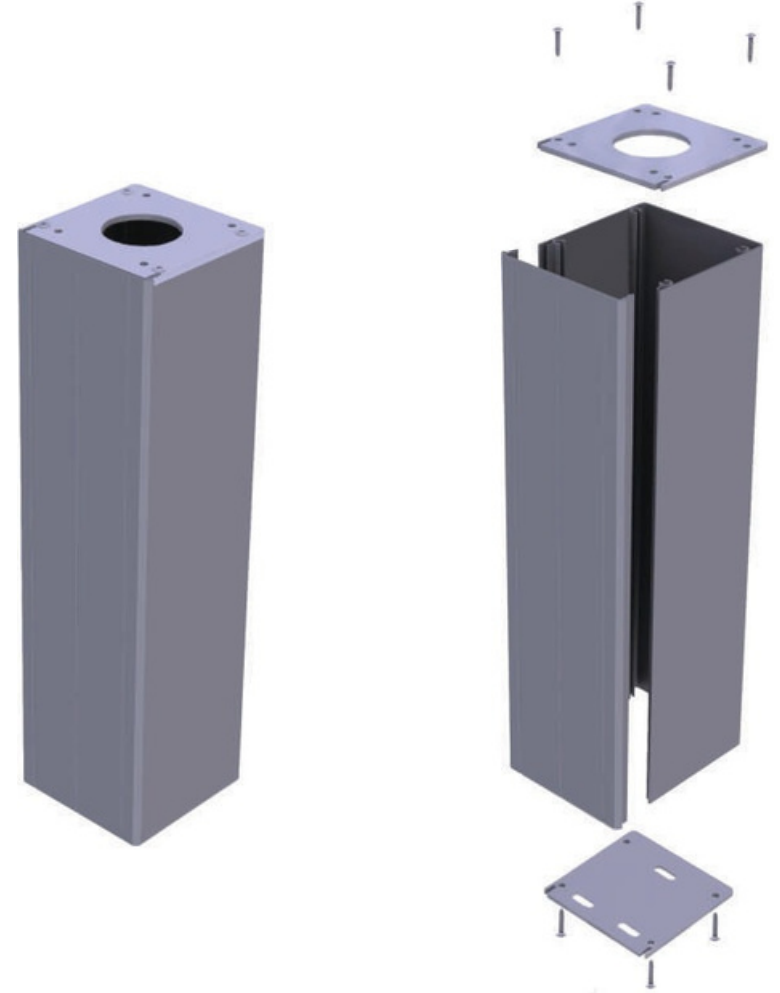




ANTORYUM OVAL KERTME İŞLEMİ
ANTORYUM OVAL LOSS OPERATION



ANTORYUM OVAL AYAK BAĞLANTI
ANTORYUM OVAL FOOT CONNECTION





Baskı Contası
Print Gasket

Product Code: KIS-09

1 Top: 174 mt/15 kg
1 Roll: 174 mt/15 kg



Arka Baskı Contası
Back Print Gasket

Product Code: KIS-10

1 Top: 41 mt/15 kg
1 Roll: 41 mt/15 kg



24V Led
24V Led

Product Code: KIS-22

Box Piece: 100
Box Piece: 100



10x80 Çelik Lama
10x80 Steel Flat Bar



2x0.75 Nyaf Kablo
2x0.75 Nyaf Cable

Product Code: KIS-23

1 Top: 100 mt
1 Roll: 100 mt



75'lik Filtre
75 Filter

Product Code: KIS-08



24V / 5A Led Trafo
24V / 5A Led Transformer

Product Code: KIS-21





Kapaklı Ayak Üst Bağlantı Sacı
Covered Foot Top Connection Plate

Product Code: KIS-02

Kalıp No: 2009, 2010 Nolu Profilde kullanılır.
Mold Number: Used in profile no 2009, 2010



Kapaklı Ayak Alt Bağlantı Sacı
Covered Foot Bottom Connection Plate

Product Code: KIS-03

Kalıp No: 2009, 2010 Nolu Profilde kullanılır.
Mold Number: Used in profile no 2009, 2010



Arka Askı Sacı
Rear Hanger Plate

Product Code: KIS-04

Kalıp No: 2004 Nolu Profilde kullanılır.
Mold Number: Used in profile no 2004



Oval Oluk Sacı
Oval Gutter Sheet

Product Code: KIS-05

Kalıp No: 2012 Nolu Profilde kullanılır.
Mold Number: Used in profile no 2012

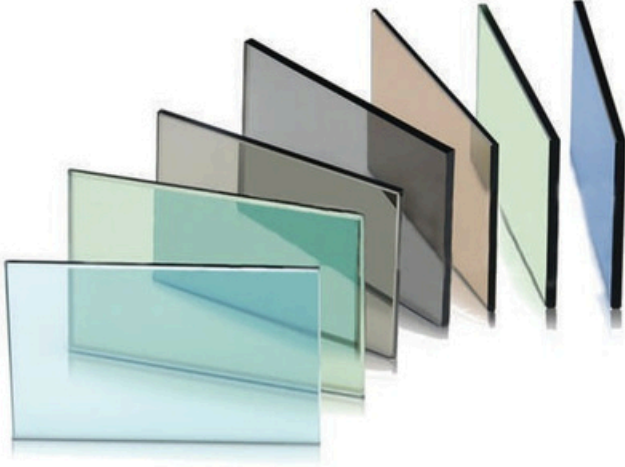


Lama Somun Sacı
Lama Nut Sheet

Product Code: KIS-06

2012 Oluk Kapaklı Ayak Bağlantı
2012 Gutter Covered Leg Connection





Lamine Cam
Laminated Glass

ANTORYUM OVAL
Minimum 8mm - Maximum 12 mm

ANTORYUM FLAT
Minimum 8mm - Maximum 12 mm

Şişecam
Low-E Cam

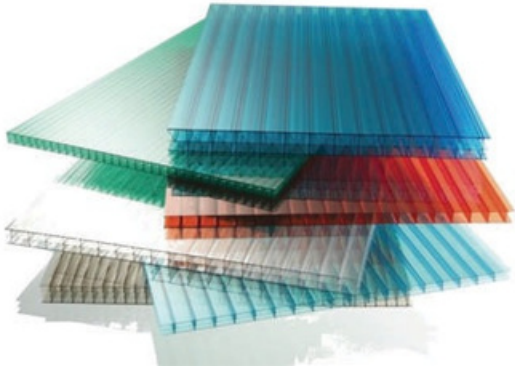
Isıyı oda içine
geri yansıtır



Isıcam
Insulating Glass

ANTORYUM OVAL
Minimum 8mm - Maximum 24 mm

ANTORYUM FLAT
Minimum 8mm - Maximum 32 mm



Polikarbon
Polycarbonate

ANTORYUM OVAL
Minimum 8mm - Maximum 24 mm

ANTORYUM FLAT
Minimum 8mm - Maximum 32 mm



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CAM TAVAN UYGULAMALAR



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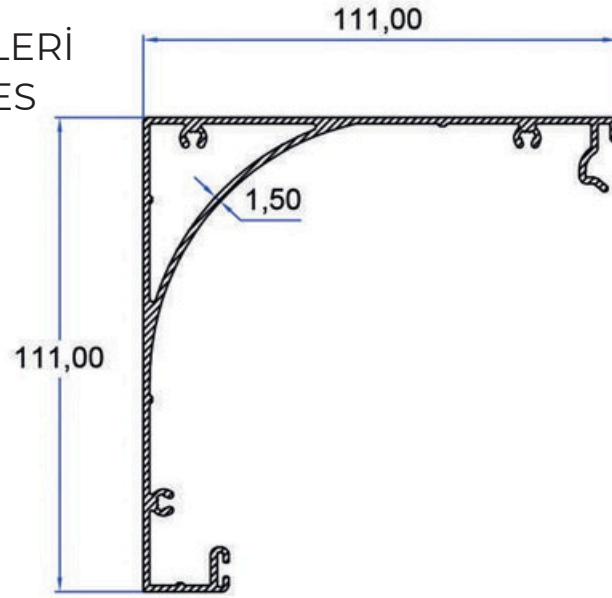
ZIP PERDE

ZYLO ZIP PERDE

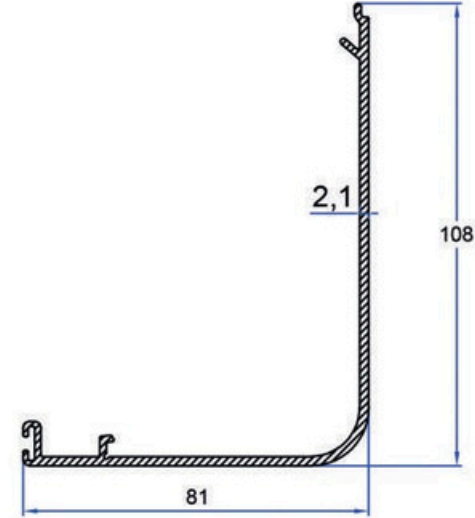


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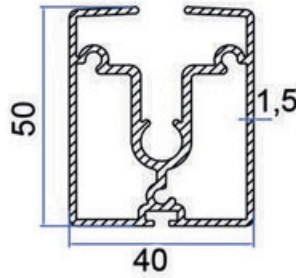
ZİP SİSTEMİ PROFİLLERİ ZIP SYSTEM PROFILES



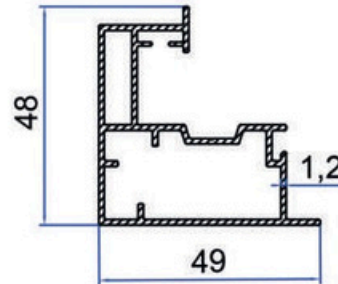
MOTOR KUTUSU
ENGINE BOX
2878
1.608 kg/m



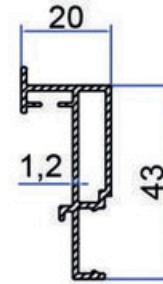
MOTOR KUTUSU KAPAĞI
ENGINE BOX COVER
2875
1.142 kg/m



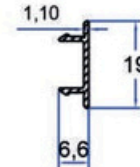
SAÇAK PROFİLİ
FRINGE PROFILE
2937
1.201kg/m



DİKME PROFİLİ
SEWING PROFILE
2877
0.736 kg/m



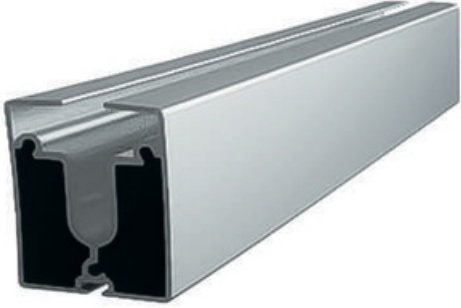
DİKME PROFİLİ 2
SEWING PROFILE 2
2874
0.387 kg/m



DİKME VİDA KAPAĞI
SEWING SCREW COVER
2876
0.085 kg/m



ZİP SİSTEMİ PROFİLLERİ ZIP SYSTEM PROFILES



Saçak Profili
Fringe Profile

Product Code: 2937

Weight kg/m: 1,
(53 x 45 x 1,2mm)



Motor Kutusu
Engine Box

Product Code: 2878

Weight kg/m: 1,608
(111 x 111 x 1,5mm)



Motor Kutusu Kapağı
Engine Box Cover

Product Code: 2875

Weight kg/m: 1,142
(108 x 81 x 2,1mm)



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ZİP SİSTEMİ PROFİLLERİ ZIP SYSTEM PROFILES



Dikme Profili
Sewing Profile

Product Code: 2877

Weight kg/m: 0,736
(43 x 20 x 1,2mm)



Dikme Profili 2
Sewing Profile 2

Product Code: 2874

Weight kg/m: 0,387
(43 x 20 x 1,2mm)



Dikme Vida Kapağı
Sewing Screw Cover

Product Code: 2876

Weight kg/m: 0,085
(19 x 6,6 x 1,1mm)



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ZİP PERDE TAKIMI / ZIP CURTAIN SET



Bayrak Sağ
Flag Right



Bayrak Sol
Flag Left



Bayrak Kızağı
Flag Sled



Rulman Yatağı Plastiği
Bearing Housing Plastic



**Boru Başı ve Motor
Switch Plastiği**
Pipe Head and Motor
Switch Plastic



6301 Rulman
6301 Rulman



Ağırlık Profili Çıtası
Weight Profile Lath



Ağırlık Profili Kapağı
Weight Profile Cover



Yan Dikme Profili Kapağı
Side Strut Profile Cover



3.9x19 YHB Vida
3.9x19 YHB Screw
Box Piece: 150



**M3x8 H.B. Yıldız
Başlı Inox**
M3x8 H.B. Star
Headed Inox
Box Piece: 20



M3 Somun
M3 Nut
Box Piece: 20



M6x8 Setskur Vida
M6x8 Setskur Screw
Box Piece: 20



ZIP AKSESUARLARI / ZIP ACCESSORIES



Zip Perde Fermuar
Zip Curtain Zipper
Code: ZIP-02
Roll: 200 mt.



6mm Pvc Çubuk
6mm Pvc Rod
Code: ZIP-03
Box Piece: 6 mt 25 Piece



Dikme Kueksiz Fitol
Sewing Quenched Roving
Code: ZIP-04
Box Piece: 6 mt. 25 Piece



Dikme Balonlu Contası
Strut Balloon Gasket
Code: ZIP-05
Roll: 100 mt.



SOMFY RTS 20 NM
SOMFY RTS 20 NM
Code: RTS-20
Box Piece: 1



SOMFY RTS 40 NM
SOMFY RTS 40 NM
Code: RTS-40
Box Piece: 1



Somfy Zip Perde
Motor Aparatı
Somfy Zip Curtain
Motor Apparatus
Code: ZIP-06
Box Piece: 1



Universal Zip Perde
Motor Aparatı
Universal Zip Curtain
Motorized Apparatus
Code: ZIP-08
Box Piece: 1



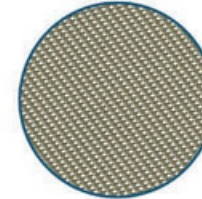
Motor Kutusu Contası
Engine Box Gasket
Code: GYT-28
Roll: 75 mt.



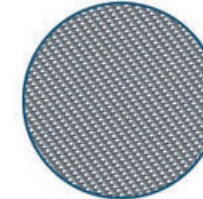
6.7x800 Kıl Fitol
6.7x800 Bristle Wick
Code: GYT-29
Roll: 250 mt.



70 Lik Galvaniz Boru
70 Galvanized Pipe
Code: ZIP-07
Box Piece: 6 mt.



Zip Screen Kumaş Krem
Zip Screen Fabric Cream
Code: ZIP-K01
Roll: 1



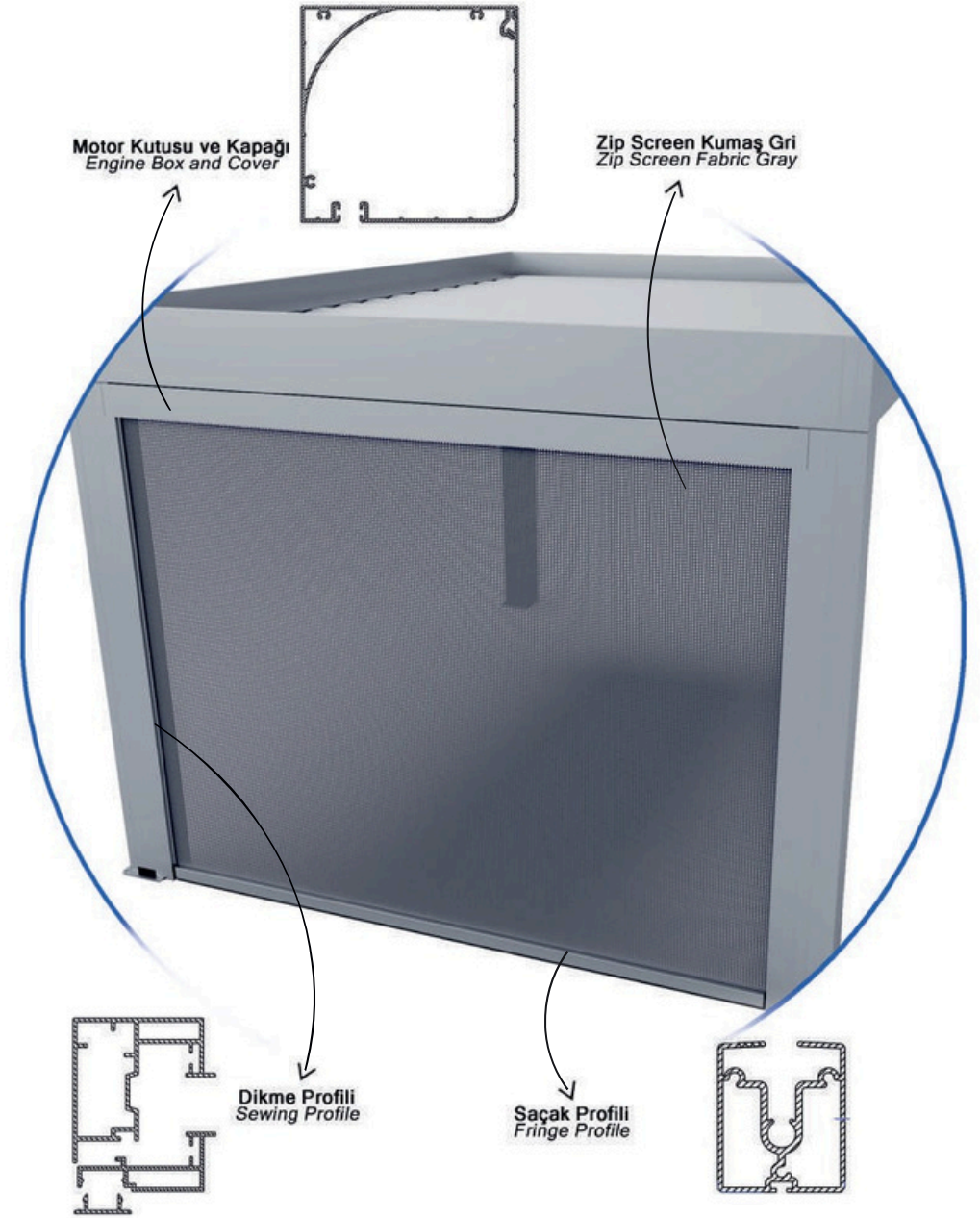
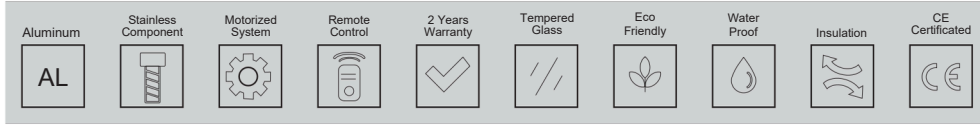
Zip Screen Kumaş Gri
Zip Screen Fabric Gray
Code: ZIP-K02
Roll: 1



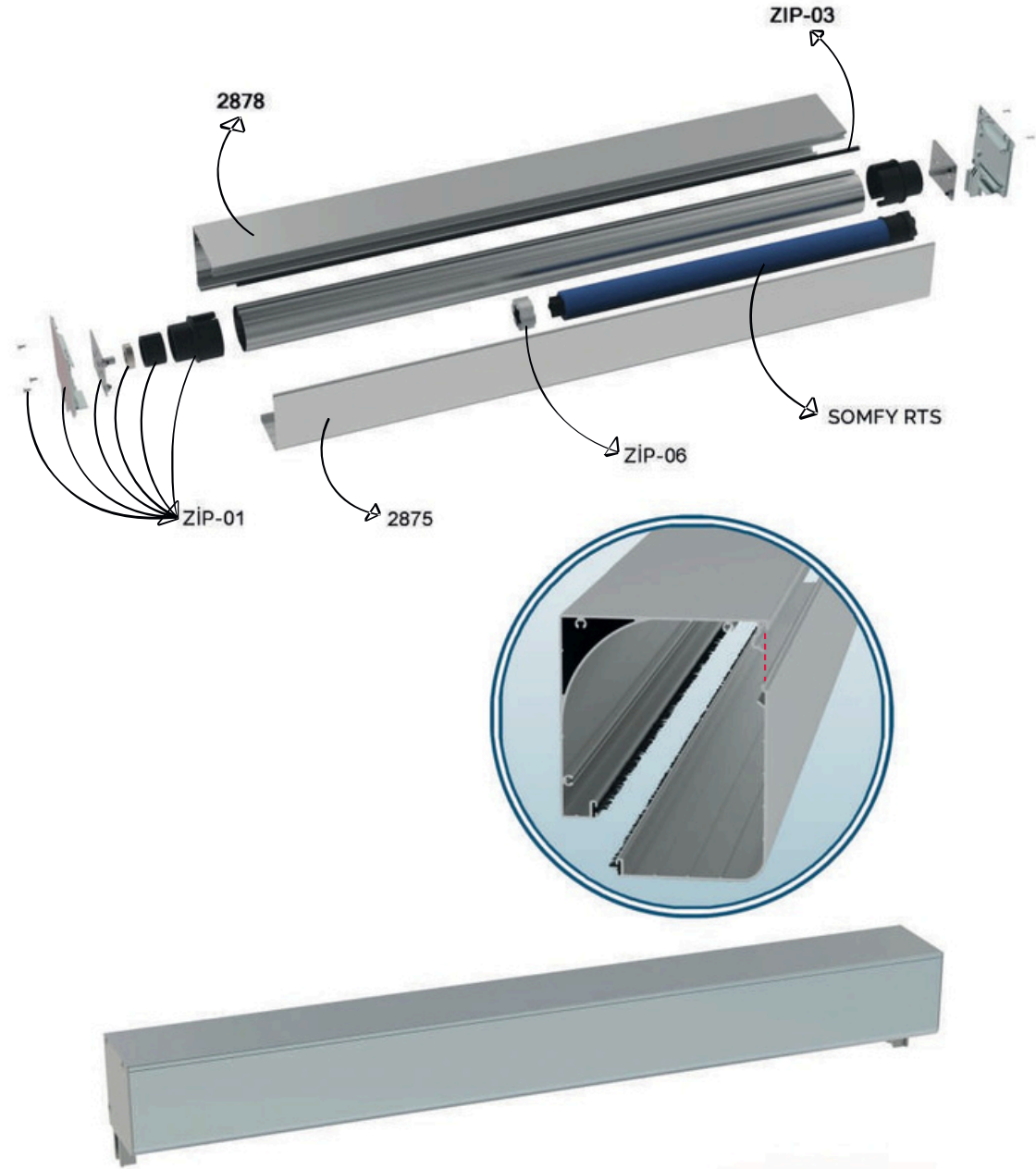
Zip Screen Kumaş Beyaz
Zip Screen Fabric White
Code: ZIP-K03
Roll: 1



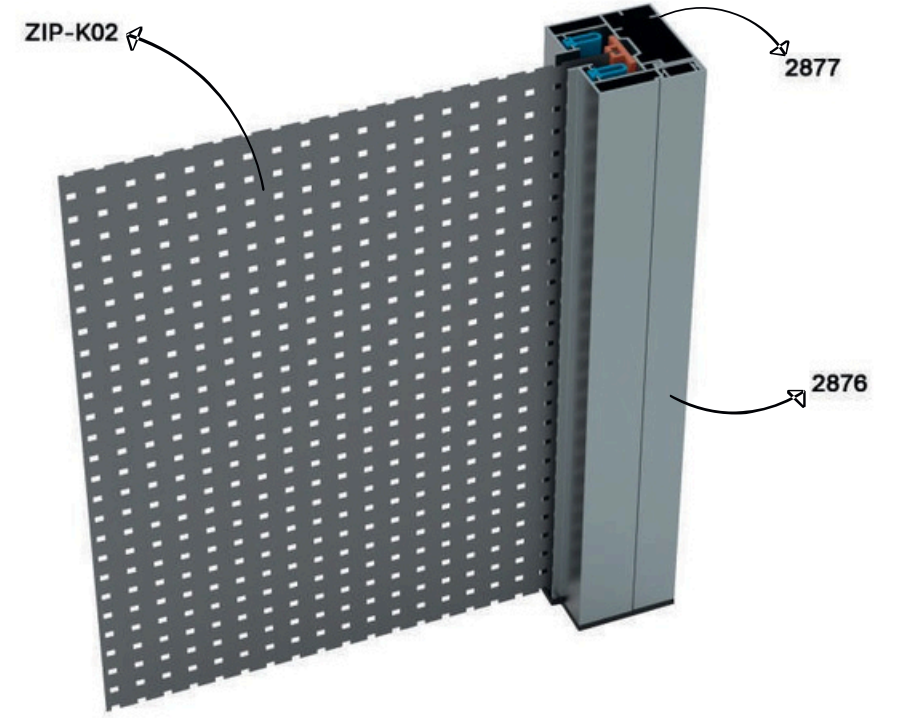
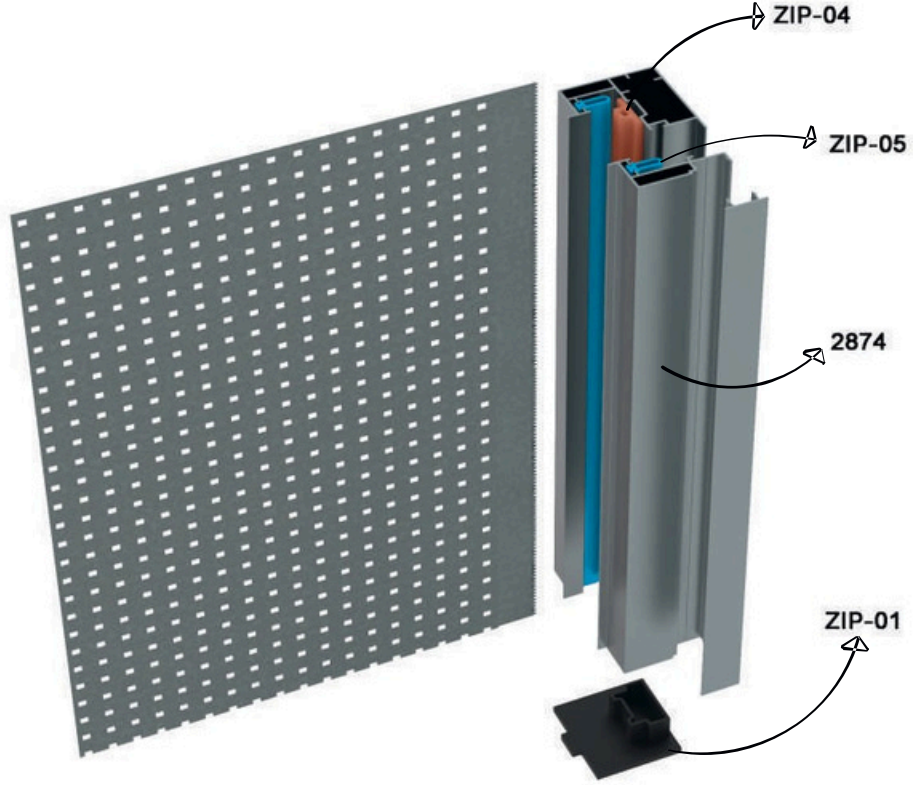
ZİP SİSTEMİ / ZIP SYSTEMS



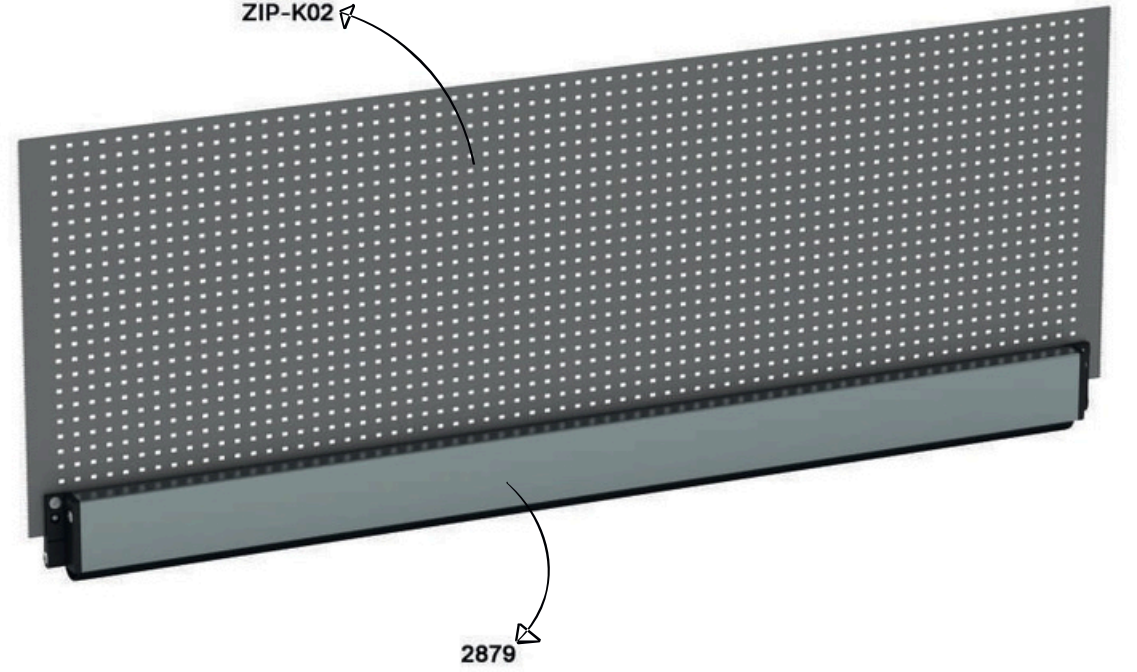
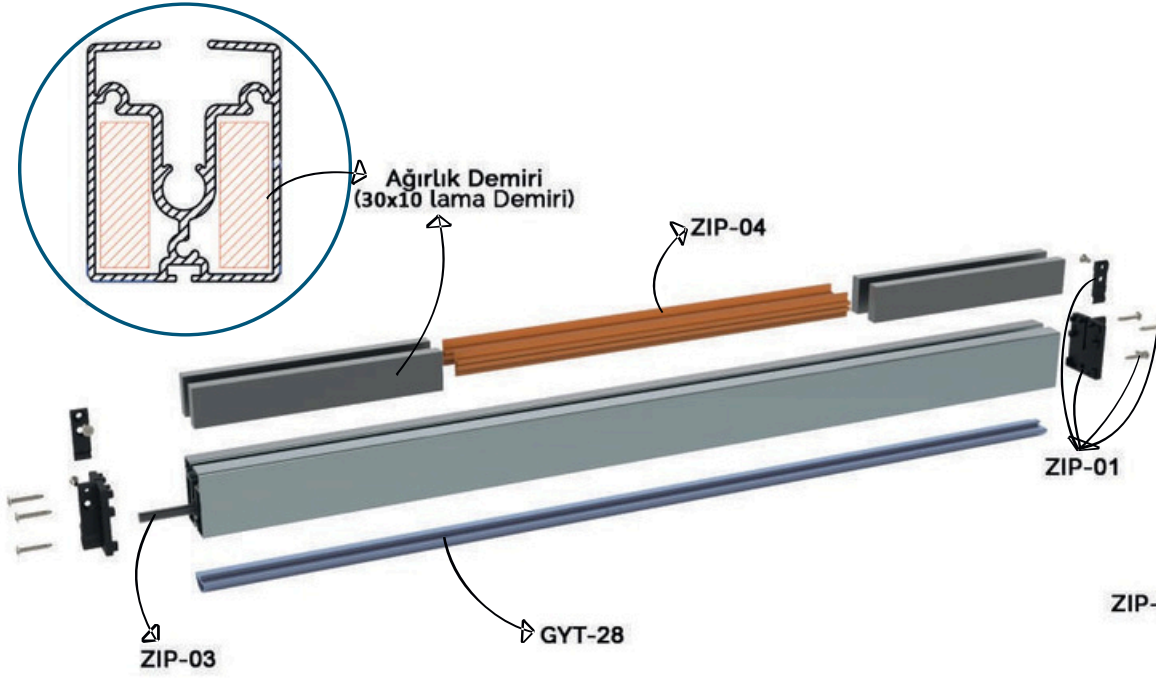
ZİP PERDE MOTOR KUTUSU MONTAJI ZIP CURTAIN MOTOR BOX ASSEMBLY



ZİP PERDE DİKME MONTAJI ZIP CURTAIN SEWING ASSEMBLY



ZİP PERDE SAÇAK MONTAJI ZIP CURTAIN EAVES ASSEMBLY





ZIP SİSTEMİ / ZIP SYSTEMS



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GİYOTİN

DORMA GİYOTİN

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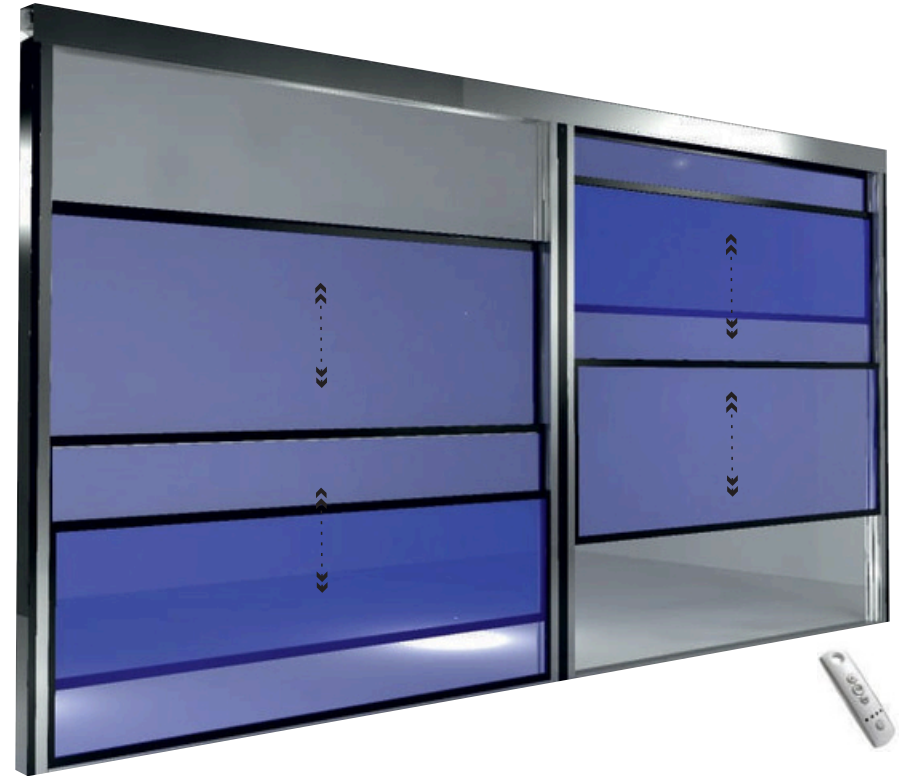


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Aluminum	Stainless Component	Motorized System	Remote Control	2 Years Warranty	Tempered Glass	Eco Friendly	Water Proof	Insulation	CE Certificated
AL									

“En iyi motorlarla donatılmış, en iyi sistem.”



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2582-23

Weight (kg/m) 2,930 KG/M



2583-23

Weight (kg/m) 0,878 KG/M



2574-23

Weight (kg/m) 1,089 KG/M



2579-23

Weight (kg/m) 1,095 KG/M



2627-23

Weight (kg/m) 0,537 KG/M



2572-23

Weight (kg/m) 0,431 KG/M

ALÜMİNYUM

* TOZ BOYA STATİK

* RAL RENK KODLARI



2571-23

Weight (kg/m) 0,602 KG/M



2575-23

Weight (kg/m) 0,764 KG/M



2575-23

Weight (kg/m) 0,764 KG/M



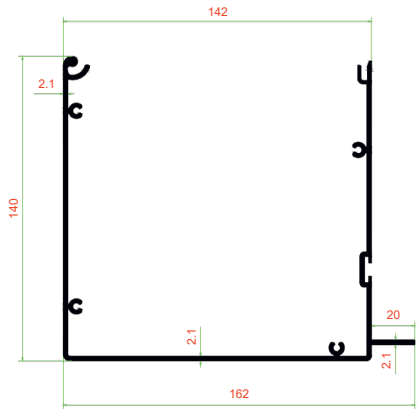
2581-23

Weight (kg/m) 1,160 KG/M



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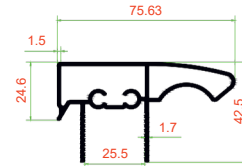
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Weight (kg/m) 2,930 KG/M



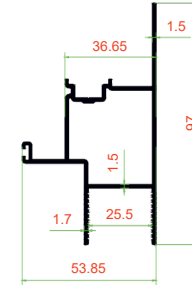
2583-23

Weight (kg/m) 0,878 KG/M



2579-23

Weight (kg/m) 1,095 KG/M



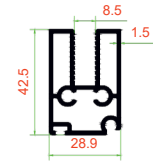
2574-23

Weight (kg/m) 1,089 KG/M



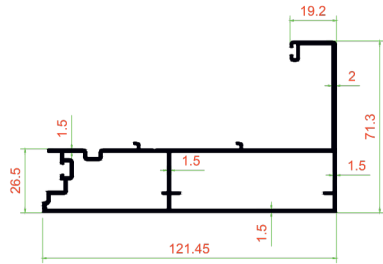
2627-23

Weight (kg/m) 0,537 KG/M



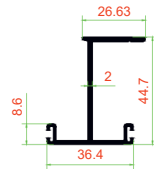
2575-23

Weight (kg/m) 0,764 KG/M



2570-23

Weight (kg/m) 1,770 KG/M



2571-23

Weight (kg/m) 0,602 KG/M



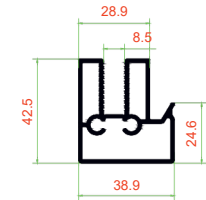
2572-23

Weight (kg/m) 0,431 KG/M



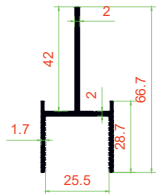
2573-23

Weight (kg/m) 0,176 KG/M



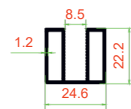
2575-23

Weight (kg/m) 0,764 KG/M



2576-23

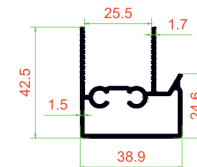
Weight (kg/m) 0,602 KG/M



2580-23

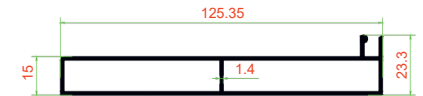
Weight (kg/m) 0,379 KG/M

* ALUMINUM PAR



2575-23

Weight (kg/m) 0,764 KG/M



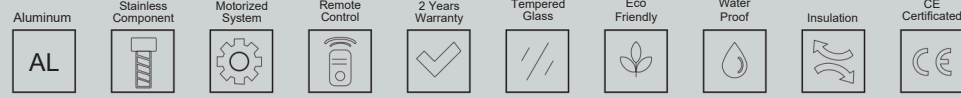
2581-23

Weight (kg/m) 1,160 KG/M

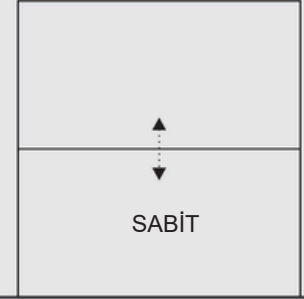


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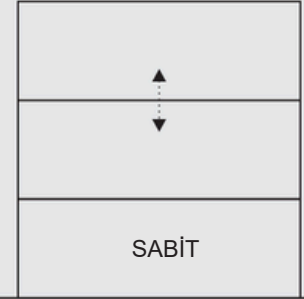


GIYOTİN ÇALIŞMA POZİSYONU



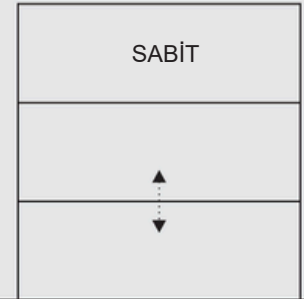
SABİT

2X PANEL, 2X TRACKS
CAM / KOMPOZİT



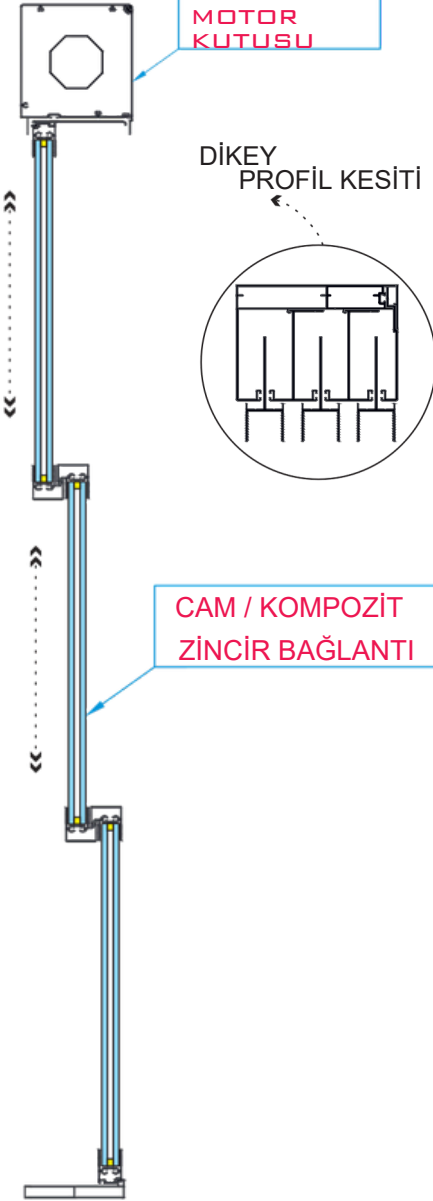
SABİT

3X PANEL, 3X TRACKS
CAM / KOMPOZİT



SABİT

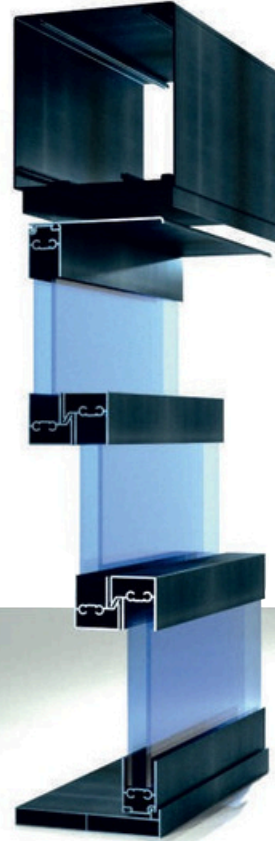
3X PANEL, 3X TRACKS
CAM / KOMPOZİT



MOTOR
KUTUSU

DİKEY
PROFİL KESİTİ

CAM / KOMPOZİT
ZİNCİR BAĞLANTI



DİKEY BÖLÜM



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SECURE SPACE FOR YOU

PERLA KASETLİ SÜRME



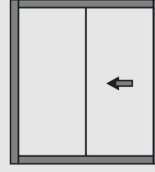
www.gunteralu.com

Yeni kayar sistemler, bilinen güçlü yönlerini yeni bir kaliteyle daha da geliştirdi.

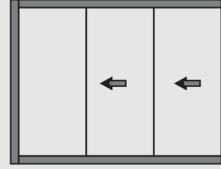
MÜKEMMEL SES YALITIMI.



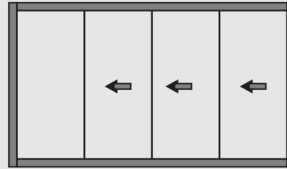
ÇALIŞMA PRENSİBİ



2 Sürgülü Cam
Kapanır/Açılır
SAĞ / SOL



3 Sürgülü Cam
Kapanma/Açılma
SAĞ / SOL



4 Sürgülü Cam
Kapanma/Açılma
SAĞ / SOL



SESSİZ VE KONFORLU



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GUNTER

2487-23

Weight (kg/m) 0,707 KG/M



2489-23

Weight (kg/m) 0,476 KG/M



2490-23

Weight (kg/m) 0,948 KG/M



2486-23

Weight (kg/m) 1,753 KG/M



2491-23

Weight (kg/m) 1,165 KG/M



2485-23

Weight (kg/m) 1,653 KG/M



2483-23

Weight (kg/m) 0,875 KG/M



2488-23

Weight (kg/m) 0,208 KG/M



2492-23

Weight (kg/m) 0,352 KG/M



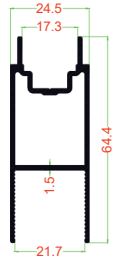
2484-23

Weight (kg/m) 1,013 KG/M



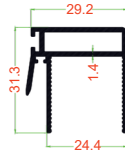
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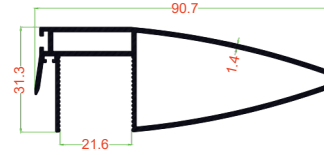
2487-23

Weight (kg/m) 0,707 KG/M



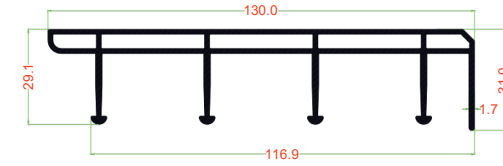
2489-23

Weight (kg/m) 0,476 KG/M



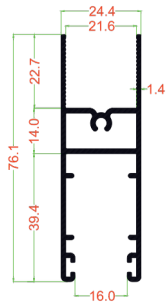
2490-23

Weight (kg/m) 0,948 KG/M



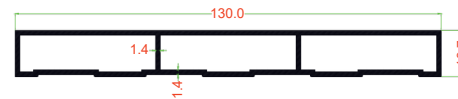
2486-23

Weight (kg/m) 1,753 KG/M



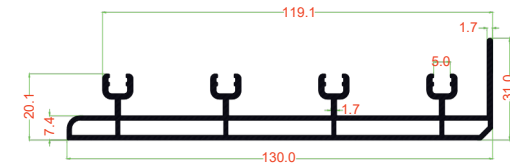
2483-23

Weight (kg/m) 0,875 KG/M



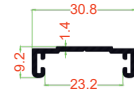
2491-23

Weight (kg/m) 1,165 KG/M



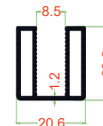
2485-23

Weight (kg/m) 1,653 KG/M



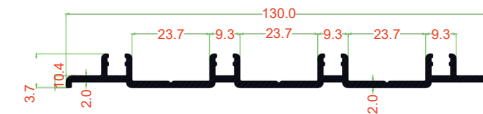
2488-23

Weight (kg/m) 0,208 KG/M



2492-23

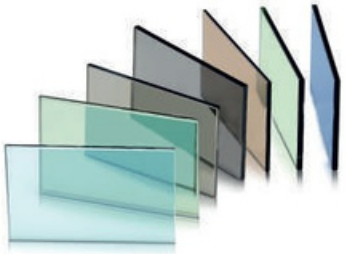
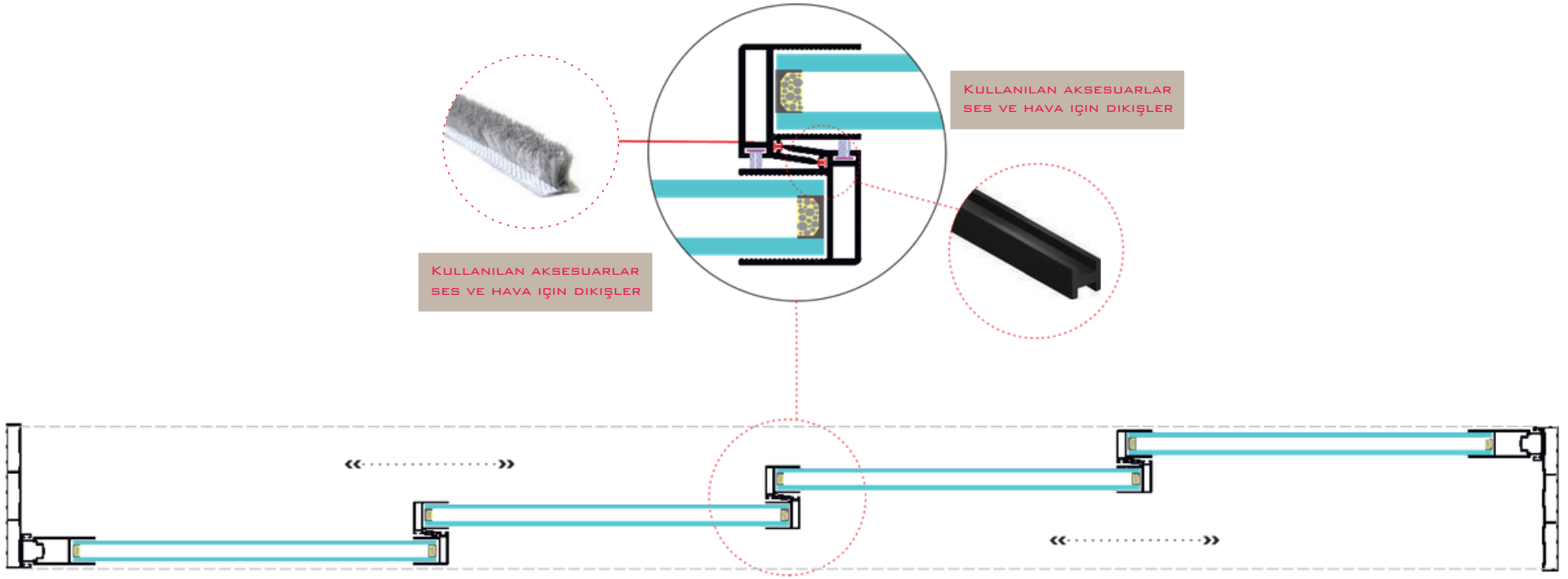
Weight (kg/m) 0,352 KG/M



2484-23

Weight (kg/m) 1,013 KG/M





TEK CAM



ÇİFT CAM



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