

**WOHELL**

oe-GOTTA

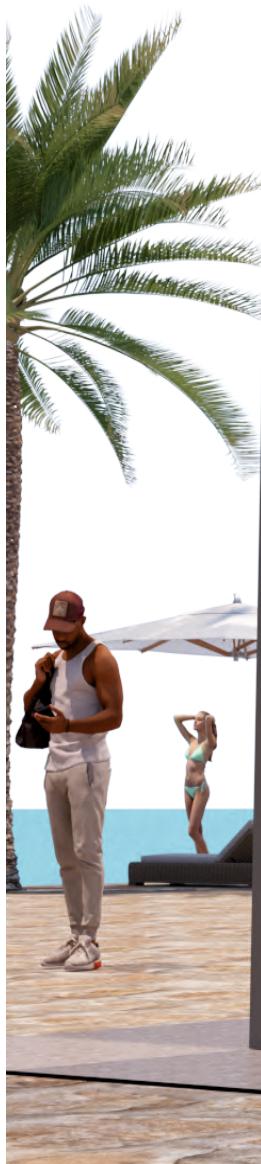
**HELLDACH**

**VON BÈSSE**

**RASYONEL  
PERGOLA**  
SÜDWEST



[www.rasyonel-pergola.de](http://www.rasyonel-pergola.de)



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**RASYONEL**  
**PERGOLA**  
SÜDWEST

## Introduction and performance

The retractable bioclimatic aluminum pergola system provides a comfortable outdoor coating to its users with its design that allows outdoor use in all seasons of the year and all weather conditions.

The system is designed to withstand even severe weather conditions such as strong winds, the worst rain, hail or excessive sunny light. The system has been sized according to its design using high grade 10 M extruded aluminum profiles that provide superior performance for exterior product applications.

For all profiles, surface protection against environmental conditions is provided with thermoset powder coating. To ensure longer system life, all bolts, screws and pins are chosen from high-grade stainless steel or surface-coated alloy steel materials. The roof panel profiles have been designed with unique water guard side channels and cast aluminum and plates to allow for widths up to 7 m per system.

Projections are customized according to site requirements and available in any size up to 8.5 m.

the system is remotely controlled and protects up to 24 square meters.

but it is also possible to connect multiple systems when required it is possible and easy to use in all weather conditions with the profile and joining kits with a unique design that provides 100 % waterproof joining at all times.

the system has an integrated gutter system designed to carry away even the heaviest rain smoothly. Also, a unique roof panel profile design with a special geometry is presented to transfer water easily to the gutter by flowing over the roof panels.

A comfortable living space is offered to users with a specially produced direct drive motor system to provide smooth and quieter operation with remote-controlled motorization.

While the LED lighting system provides practicality and flexibility of use, it allows the user to change the brightness settings of the environment with the remote control light setting the request.

The system movement is provided by a trigger belt that contains a three-layer barrier system and is reinforced with multiple internal stainless-steel cables. Louver joint pins at both ends of the Louver provide linear movement of Louver within the rafter profile.

Many lamella drive sheets support the drive system. The motor drive is transferred to the panels with the Louver drive plates and the trigger belt, so that the drive system allows the roof panels to be opened gradually up to (Bioclimatic 105 degrees / Rolling 60 degrees), allowing the roof panels to be arranged side by side at the rear.

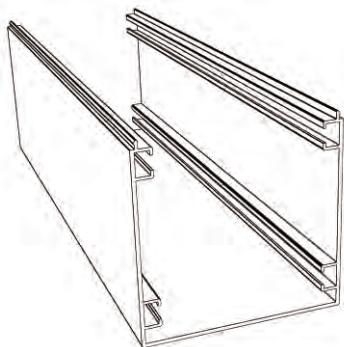
In addition, the roof panels can be filled with foam, according to the customer's request, to increase heat and sound insulation.

We focus on all the details in every system we design to provide the highest level of protection systems are formed as standard with unique designs in all parameters.

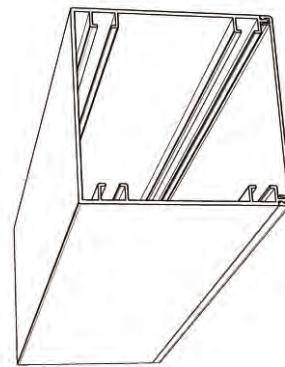


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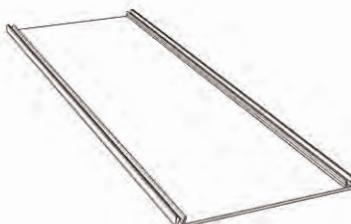
## The Main Parts of Aluminum Used in Bioclimatics



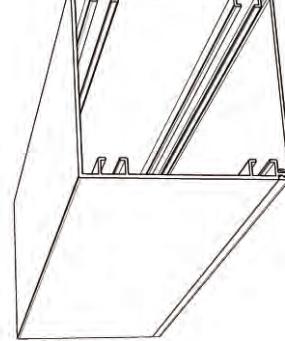
GU 3174  
4,198 kg/m



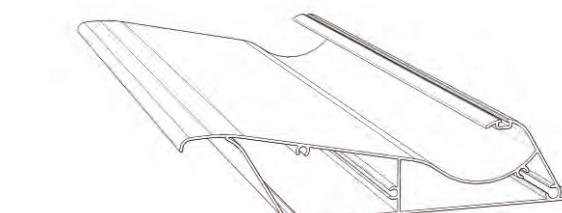
GU 3174  
4,198 kg/m



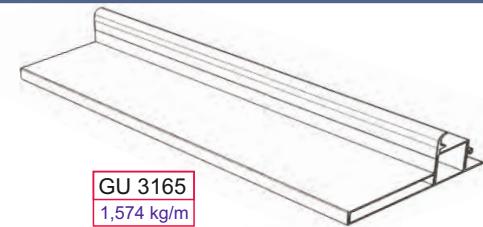
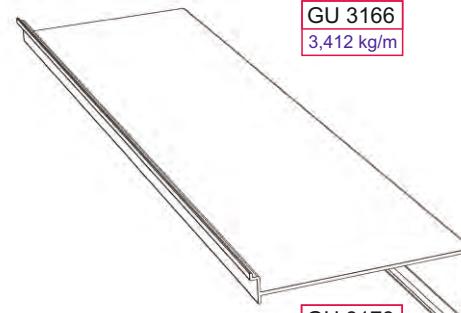
GU 3175  
1,084 kg/m



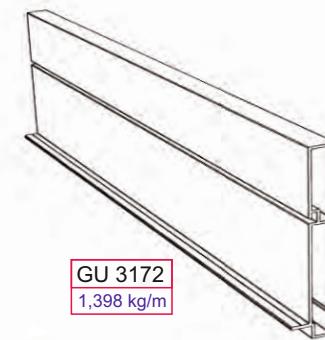
GU 3175  
1,084 kg/m



GU 3166  
3,412 kg/m



GU 3165  
1,574 kg/m



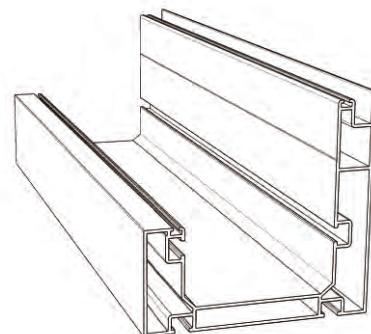
GU 3172  
1,398 kg/m



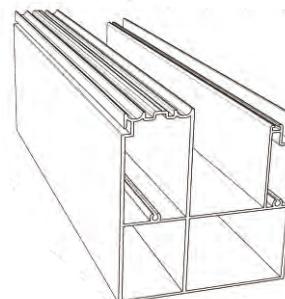
GU 3168  
1,309 kg/m



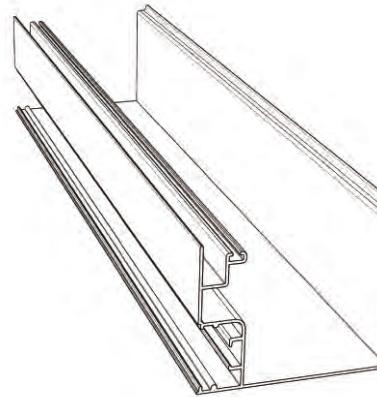
GU 3169  
1,135 kg/m



GU 3171  
4,691 kg/m



GU 3170  
6,859 kg/m



GU 3167  
1,558 kg/m





1

Powered by an electric motor and sealed with high quality gasket plugs, providing a completely airtight space which can be used in all weather conditions.

The motorized roof consists of rotatable aluminum panels



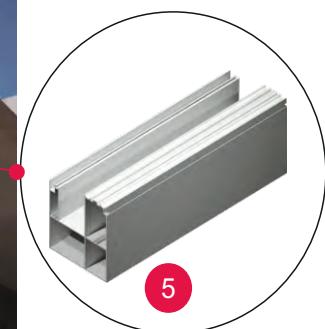
2



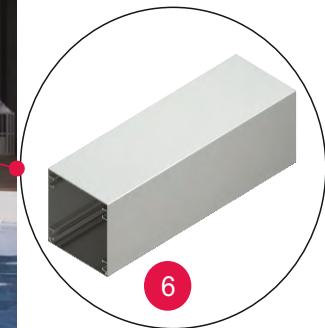
3



4



5



6

1 Panel

4 Connection Part of Rail

2 Cover

5 Rail

3 Gutter

6 Pillar



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## CALCULATE STRUCTURE OF ROLLING ROOF SYSTEMS

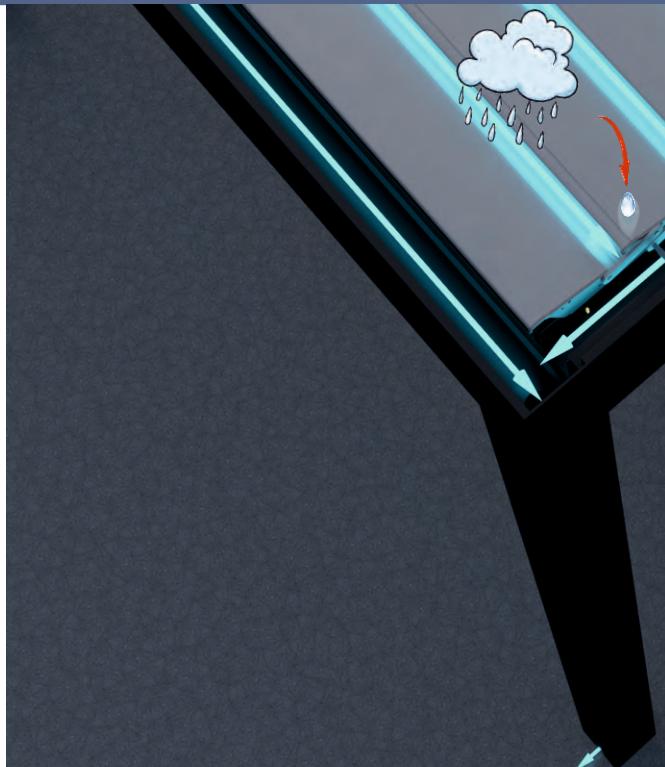
		Width / mm									
		MIN	3000	3500	4000	4500	5000	5500	6000	6500	7000
3000	A	A	A	A	B	B	B	B	B		
3500	A	A	A	A	B	B	B	B	B		
4000	A	A	A	A	B	B	B	B	B		
4500	A	A	A	A	B	B	B	B	B		
5000	A	A	A	A	B	B	B	B	B		
5500	A	A	A	A	B	B	B	B			
6000	A	A	A	A	B	B	B	B			
6500	C	C	C	C	D	D	D	D			
7000	C	C	C	C	D	D					
7500	C	C	C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

Projection / mm

ROLLING ROOF Designing

Material...	aluminium
Canopy material	with smooth slats, sun shade louvers
Specifications	custom, Rolling bioclimatic, motorized, wind-proof
Options and accessories	with integrated LED
Style	contemporary
Ecological characteristics	energy-saving, recyclable, 100% recyclable
Color	Main Color (White / Black ...)





## Insulated Panels

Significantly reduces wastage of hot weather in winter and cold weather in summer.

Panels can be filled with Polyurethane Foam which provides extra comfort.



Stay Warm in The Cold



Stay Cold in The Warm



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Rainwater or snow from the surface of the panels is directed to the gutters that are installed around the system and is directed into the pipes inside the pillars and finally drained out



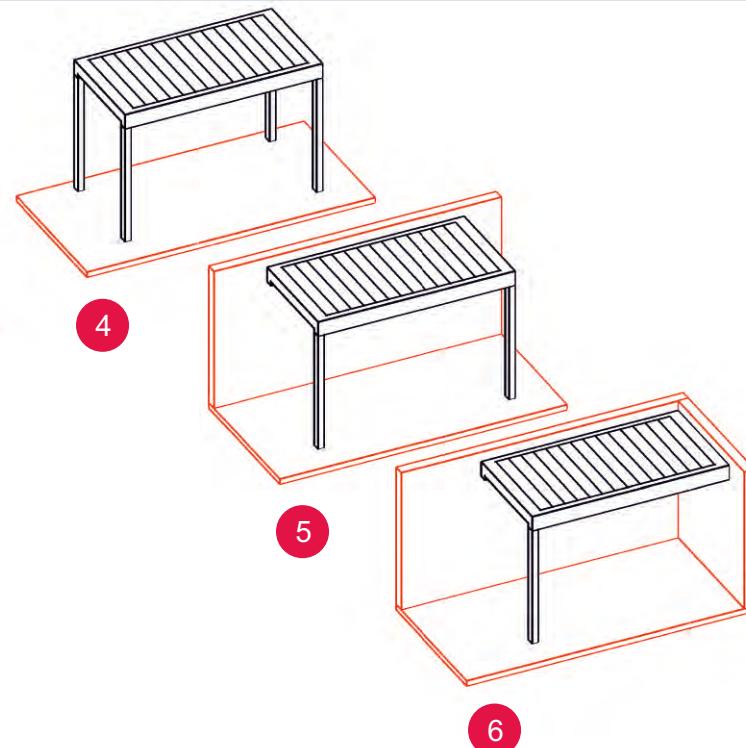
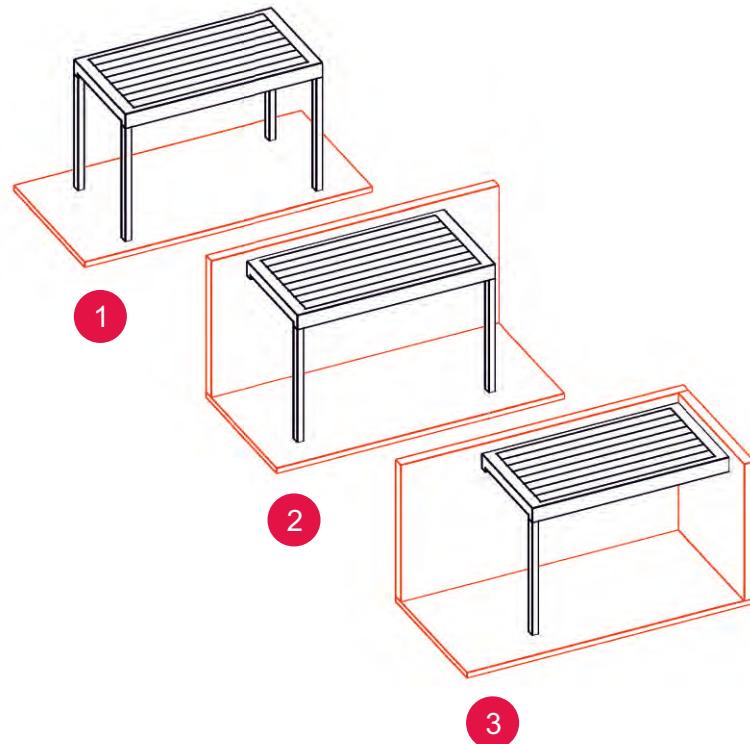
The Top View Shows The Three Posisions of The Panels



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## STANDING POSITIONS OF ROLLING ROOF



- 1 SELF STANDING SINGLE MODULE (Horizontal Panels)
- 2 WALL ASSAMBELED ON ONE SIDE (Horizontal Panels)
- 3 WALL ASSAMBELED ON TWO SIDES (Horizontal Panels)
- 4 SELF STANDING SINGLE MODULE (Vertical Panels)
- 5 WALL ASSAMBELED ON ONE SIDE (Vertical Panels)
- 6 WALL ASSAMBELED ON TWO SIDES (Vertical Panels)





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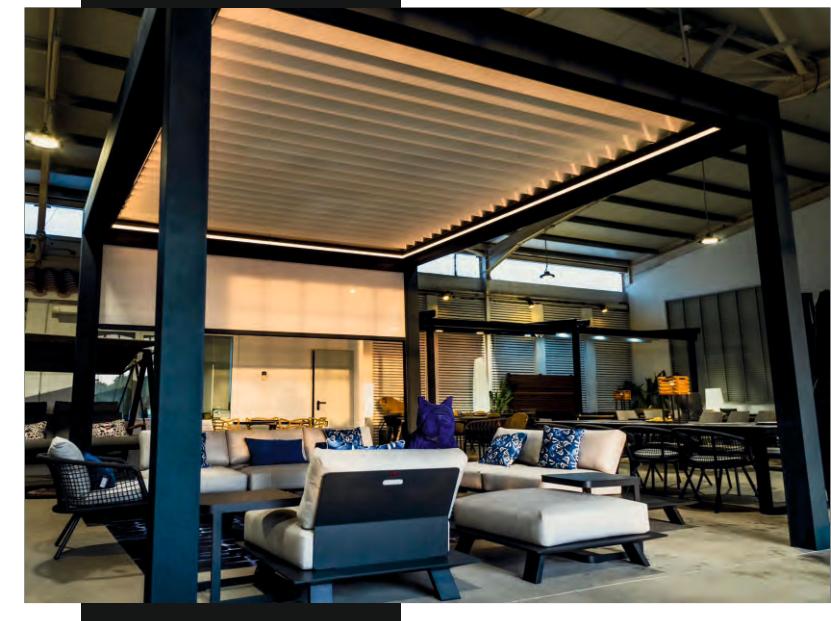
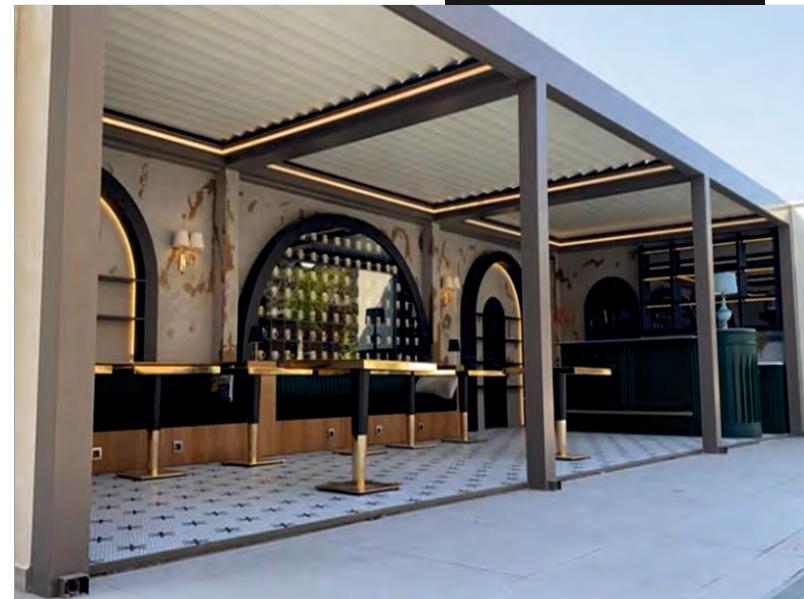
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PVC PERGOLA

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**BIG  
CROSSBAR  
PROFILES**

PR1005

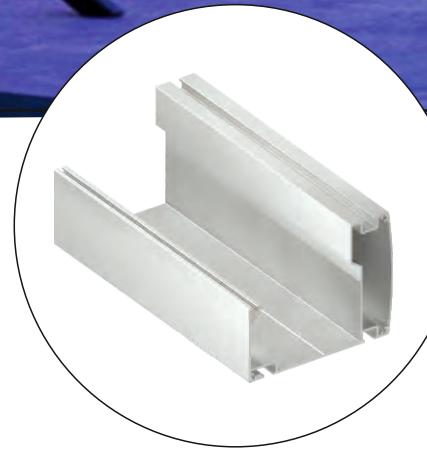


**SMALL  
CROSSBAR  
PROFILES**

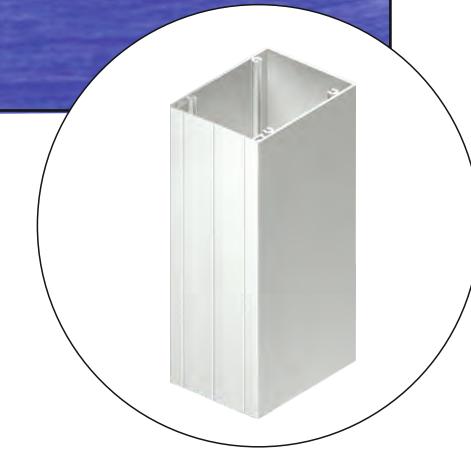
PR1004



**RAIL**  
PR1003



**GUTTER**  
PR1002

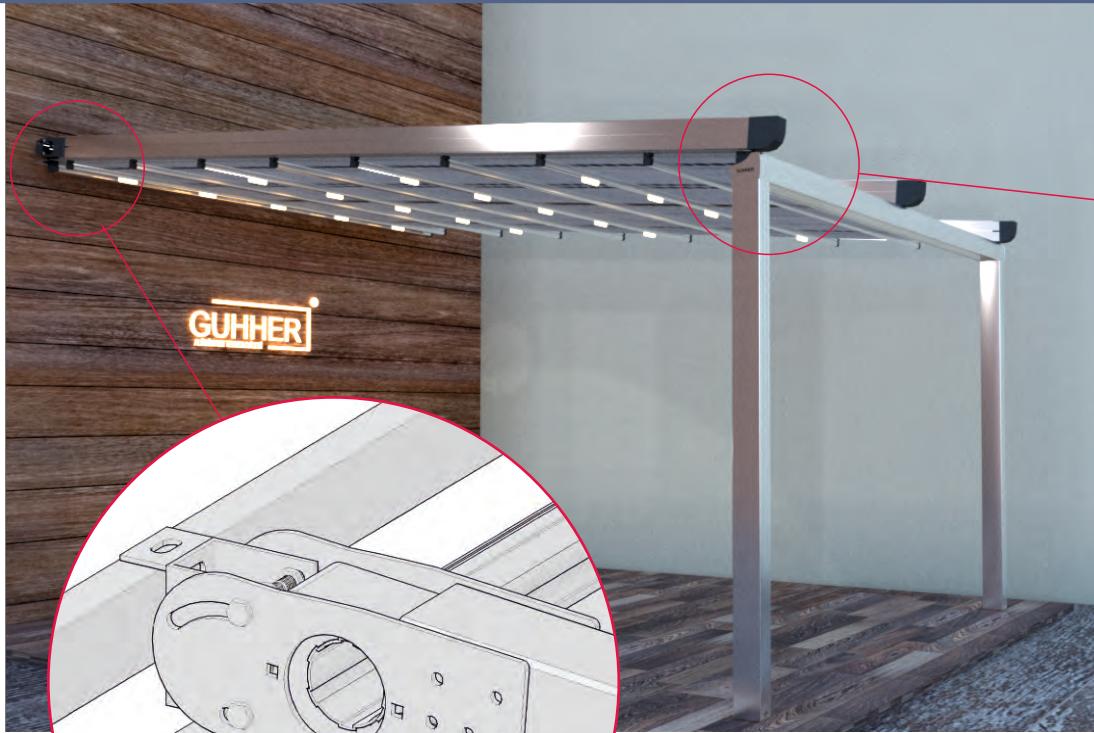


**PILLAR**  
PR1001

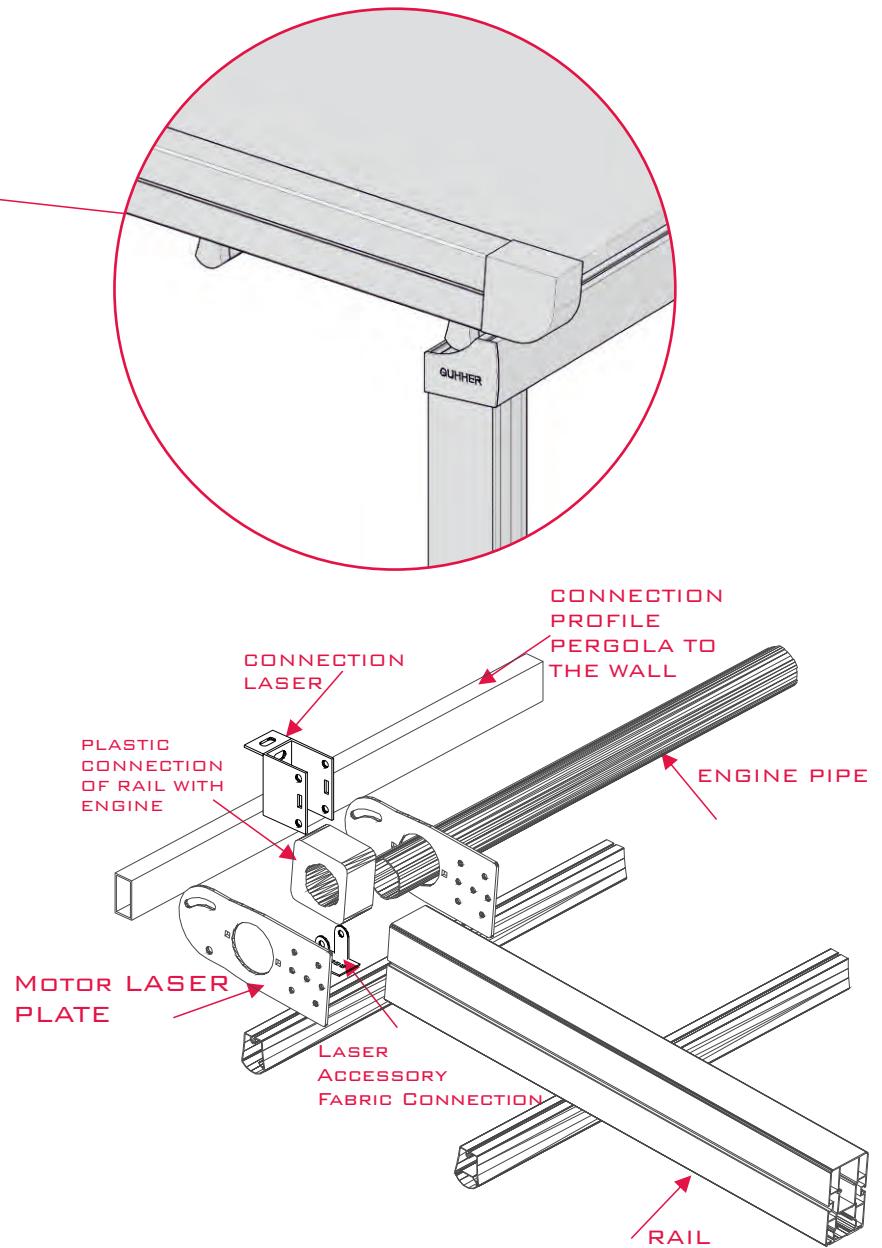


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CONNECTION AND FIX PERGOLA ON THE WALL



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FLAT\_01



ARC\_01



FLAT\_02



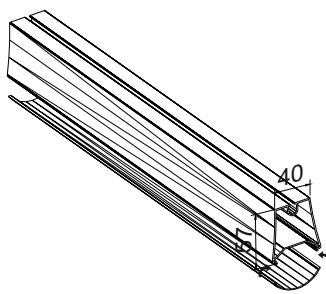
ARC\_02



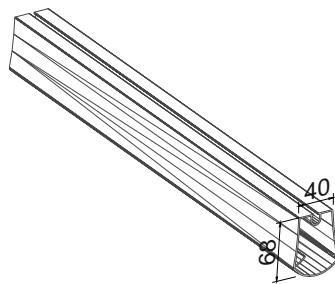
FLAT\_03



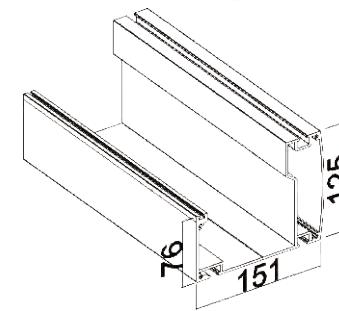
ARC\_03



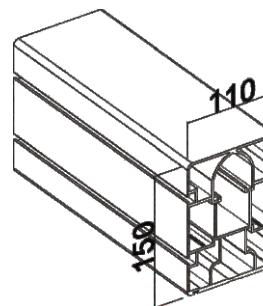
CROSSBAR  
WITH COVER (LED)



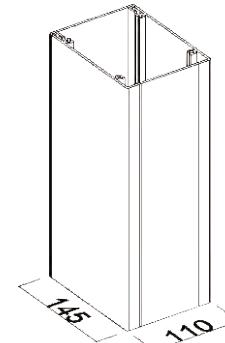
CROSSBAR  
SINGLE PIECE



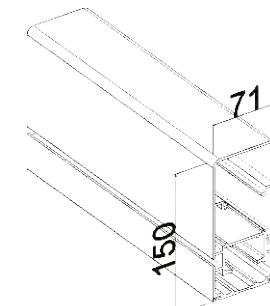
GUTTER



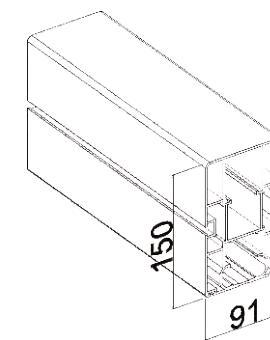
THICK RAIL



PILLAR



THIN RAIL



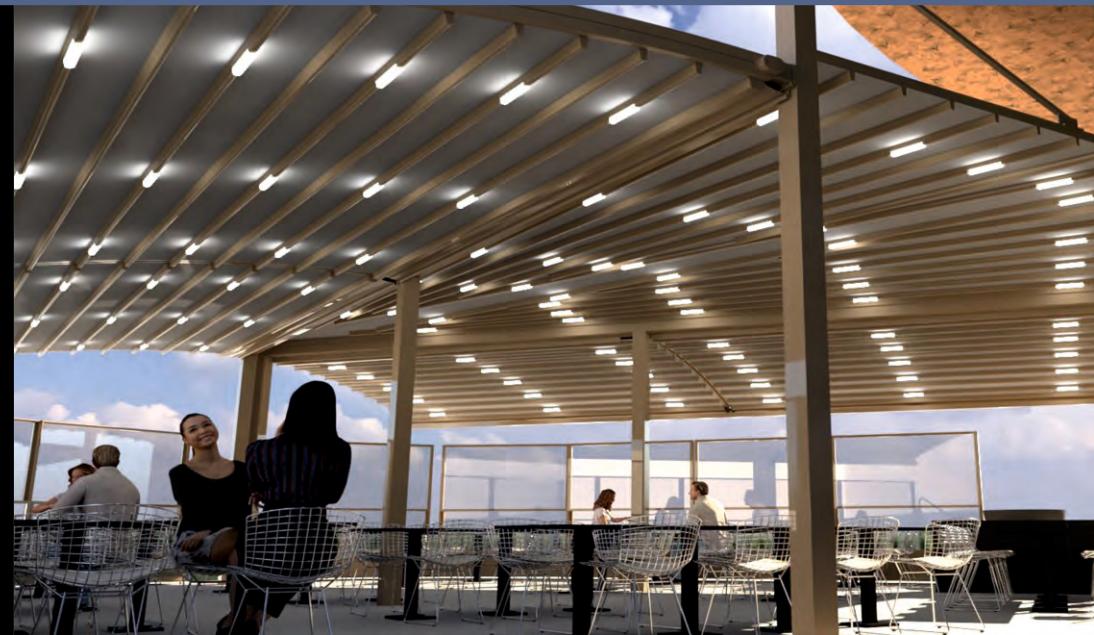
MIDDLE RAIL





# Pergola Led Lighting

professional led system



COLOR CUSTOMIZATION

YOU CAN CHOOSE THE ALL RAL COLORS

## 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
Temparature Resistance		-40C +70C
Flame Retardancy	DIN4102-B2, ISO 6941:2003	PASS



FABRIC COLORS



ALUMINUM COLORS





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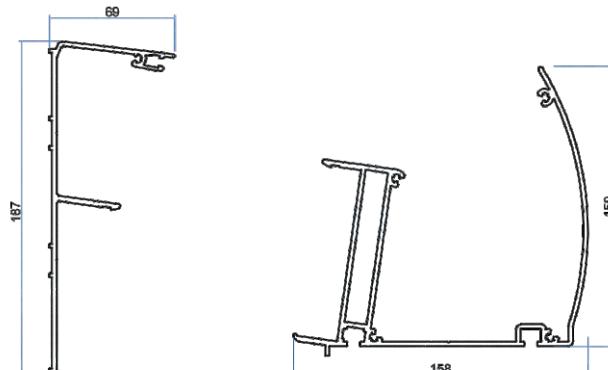
GLASS ROOF



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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



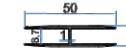
Profile No	kg/m
2539	0,290



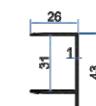
Profile No	kg/m
2538	0,210



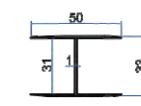
Profile No	kg/m
2542	0,180



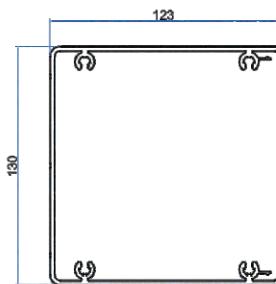
Profile No	kg/m
2543	0,230



Profile No	kg/m
2544	0,240



Profile No	kg/m
2545	0,285



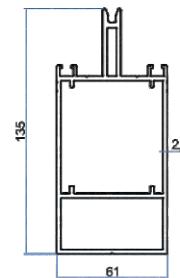
Profile No	kg/m
2009	3,050



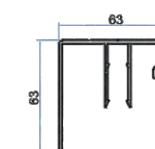
Profile No	kg/m
2010	1,025



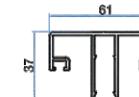
Profile No	kg/m
2394	0,177



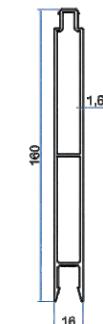
Profile No	kg/m
2005	3,230



Profile No	kg/m
2008	1,060



Profile No	kg/m
2007	0,925

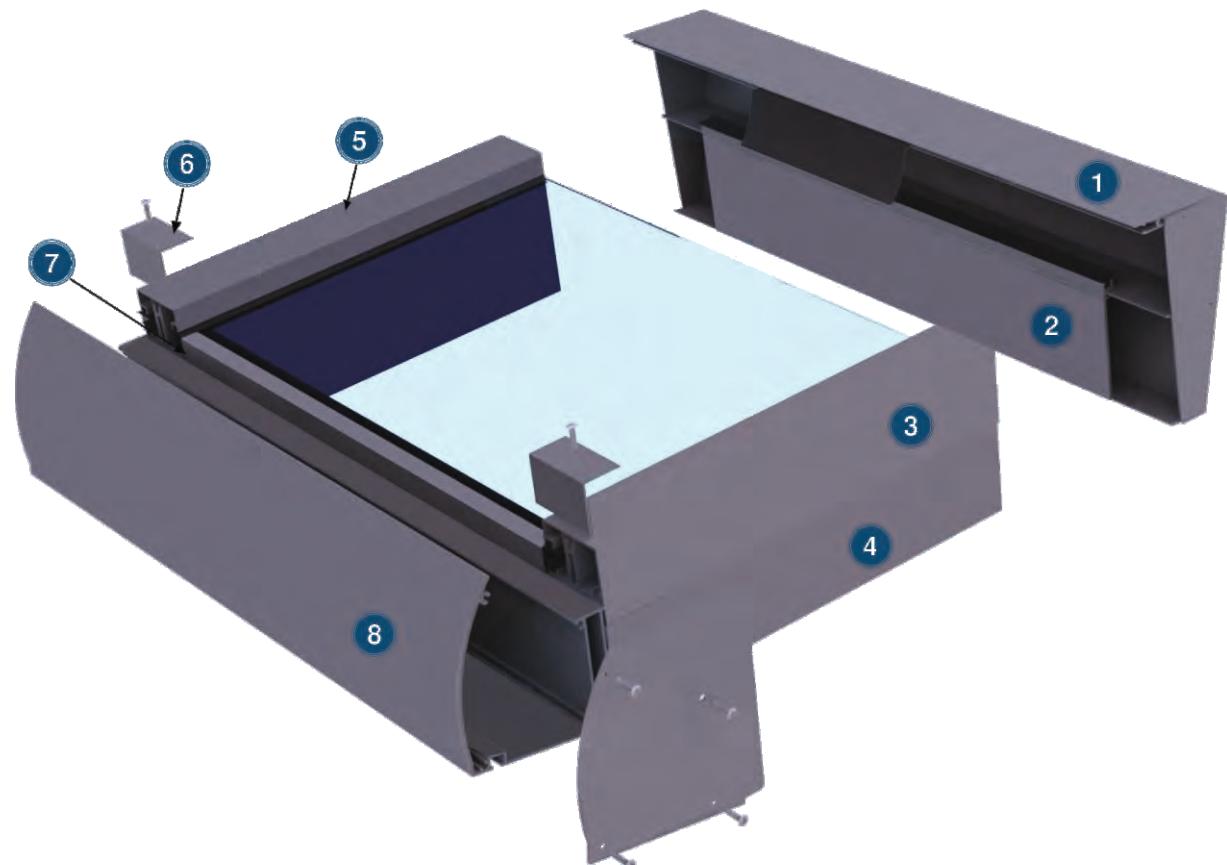


Profile No	kg/m
2546	1,591





- 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 Profili**  
*Winter Garden Foot Profile*

**Product Code:** 2009

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



**Kış Bahçesi Ayak Kapak Profili**  
*Winter Garden Foot Cover Profile*

**Product Code:** 2010

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



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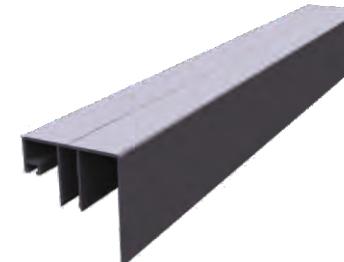
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**Kış Bahçesi Radüs Oluk**  
*Winter Garden Radius Gutter*

**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)



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**Kış Bahçesi Oluç 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*

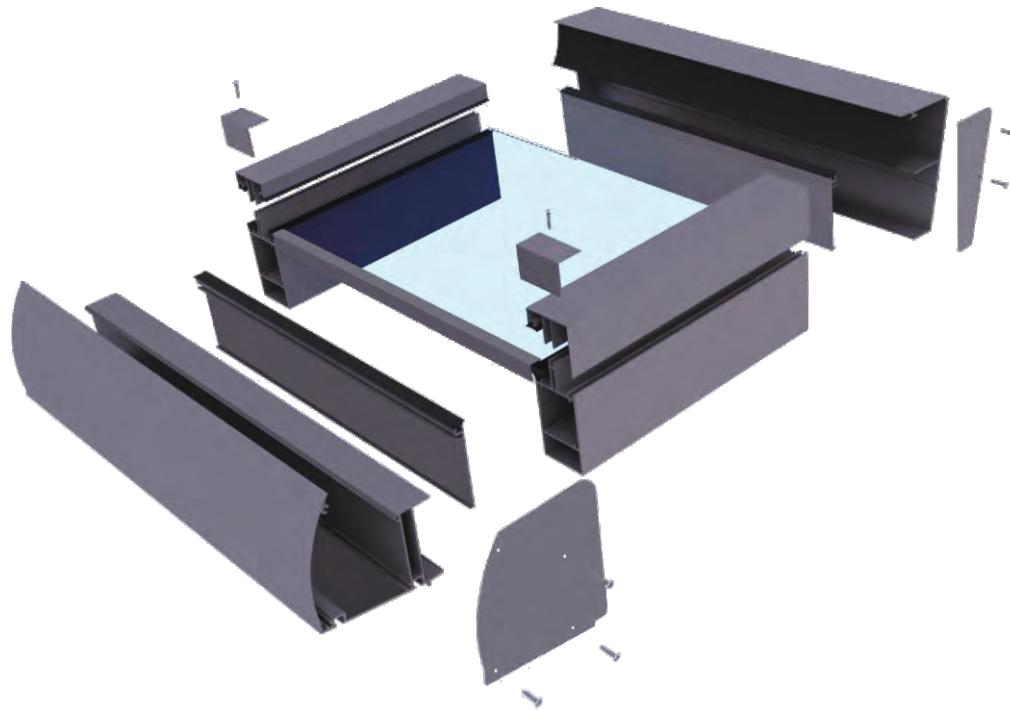
**Product Code:** 2546

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



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### **ANTORYUM OVAL KERTME İŞLEMİ**

ANTORYUM OVAL LOSS OPRATION



### **ANTORYUM OVAL AYAK BAĞLANTI**

ANTORYUM OVAL FOOT CONNECTION



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**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**



**75'lik Filtre**  
75 Filter

**Product Code: KIS-08**



**24V Led**  
24V Led

**Product Code: KIS-22**

**Box Piece: 100**  
Box Piece: 100



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

**Product Code: KIS-21**



**10x80 Çelik Lama**  
10x80 Steel Flat Bar

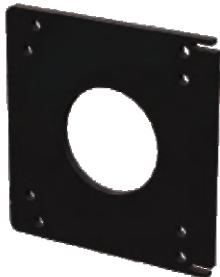


**2x0.75 Nyaf Kablo**  
2x0.75 Nyaf Cable

**Product Code: KIS-23**

**1 Top: 100 mt**  
**1 Roll: 100 mt**





**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

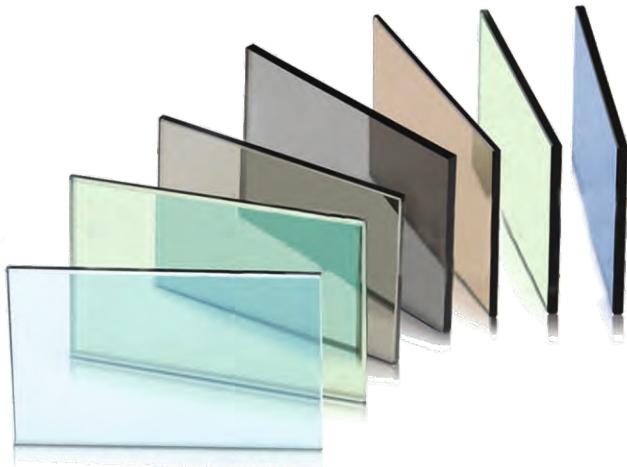


**Lama Somun Sacı**  
Lama Nut Sheet

**Product Code:** KIS-06

**2012 Oluk Kapaklı Ayak Bağlantı**  
2012 Gutter Covered Leg Connection

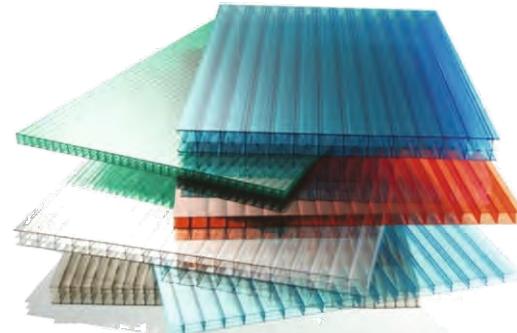




Lamine Cam  
*Laminated Glass*

**ANTORYUM OVAL**  
Minimum 8mm - Maximum 12 mm

**ANTORYUM FLAT**  
Minimum 8mm - Maximum 12 mm



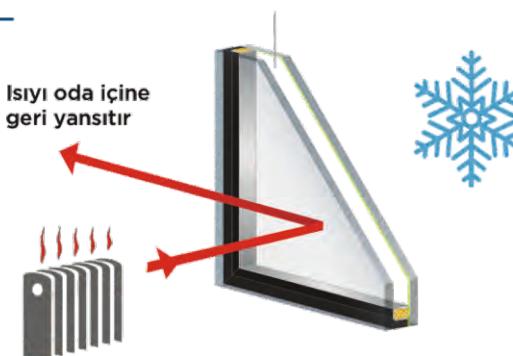
Polikarbon  
*Polycarbonate*

**ANTORYUM OVAL**  
Minimum 8mm - Maximum 24 mm

**ANTORYUM FLAT**  
Minimum 8mm - Maximum 32 mm

Şişecam  
*Low-E Glass*

İşiyi oda içine  
geri yansıtır



İsicom  
*Insulating Glass*

**ANTORYUM OVAL**  
Minimum 8mm - Maximum 24 mm

**ANTORYUM FLAT**  
Minimum 8mm - Maximum 32 mm





## GLASS ROOF



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ZIP SCREEN

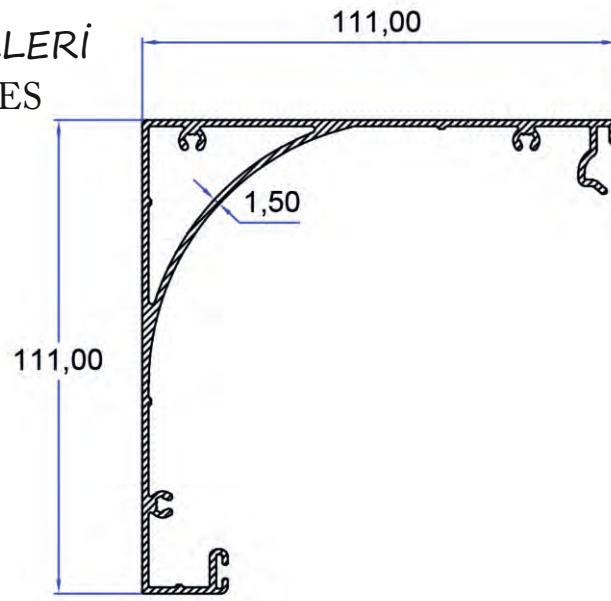


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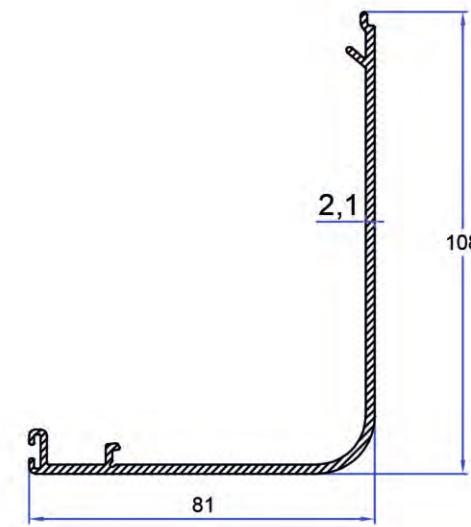


[www.rasyonel-pergola.de](http://www.rasyonel-pergola.de)

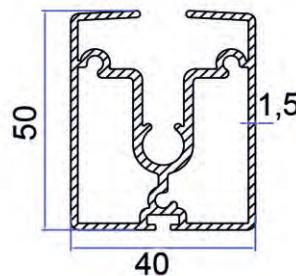
## ZİP SİSTEMİ PROFİLLERİ ZIP SYSTEM PROFILES



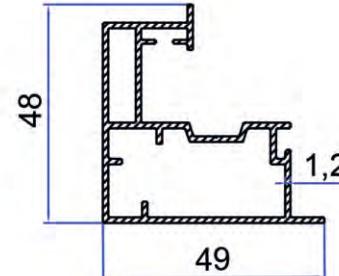
MOTOR KUTUSU  
ENGINE BOX  
2878  
1.608 kg/m



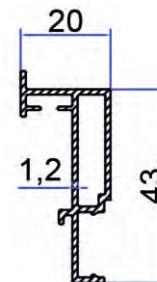
MOTOR KUTUSU KAPAĞI  
ENGINE BOX COVER  
2875  
1.142 kg/m



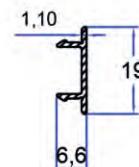
SAÇAK PROFİLİ  
FRINGE PROFILE  
2937  
1.201 kg/m



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



Sækak 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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## ZIP SİSTEMİ PROFİLLERİ

## ZIP SYSTEM PROFILES



Dikme Profili 2  
*Sewing Profile 2*

Product Code: 2874

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



Dikme Profili  
*Sewing Profile*

Product Code: 2877

Weight kg/m: 0,736  
( 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 Çitası**  
Weight Profile Lath



**Ağırlık Profili Kapağı**  
Weight Profile Cover



**Yan Dikme Profili Kapağı**  
Side Strut Profile Cover



**M3 Somun**  
M3 Nut  
Box Piece: 20



## ZIP AKSESUARLARI / ZIP ACCESSORIES



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



**6mm PVC Cubuk**  
6mm PVC Rod  
Code: ZIP-03  
Box Piece: 6 mt 25 Piece



**Dikme Kueksiz Filil**  
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



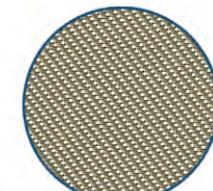
**Motor Kutusu Contası**  
Engine Box Gasket  
Code: GYT-28  
Roll: 75 mt.



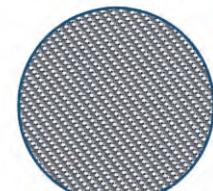
**6.7x800 Kil Filil**  
6.7x800 Bristle Wick  
Code: GYT-29  
Roll: 250 mt.



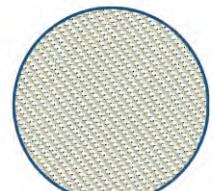
**70 Lik Galvaniz Boru**  
70 Galvanized Pipe  
Code: ZIP-07  
Box Piece: 6 mt.



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



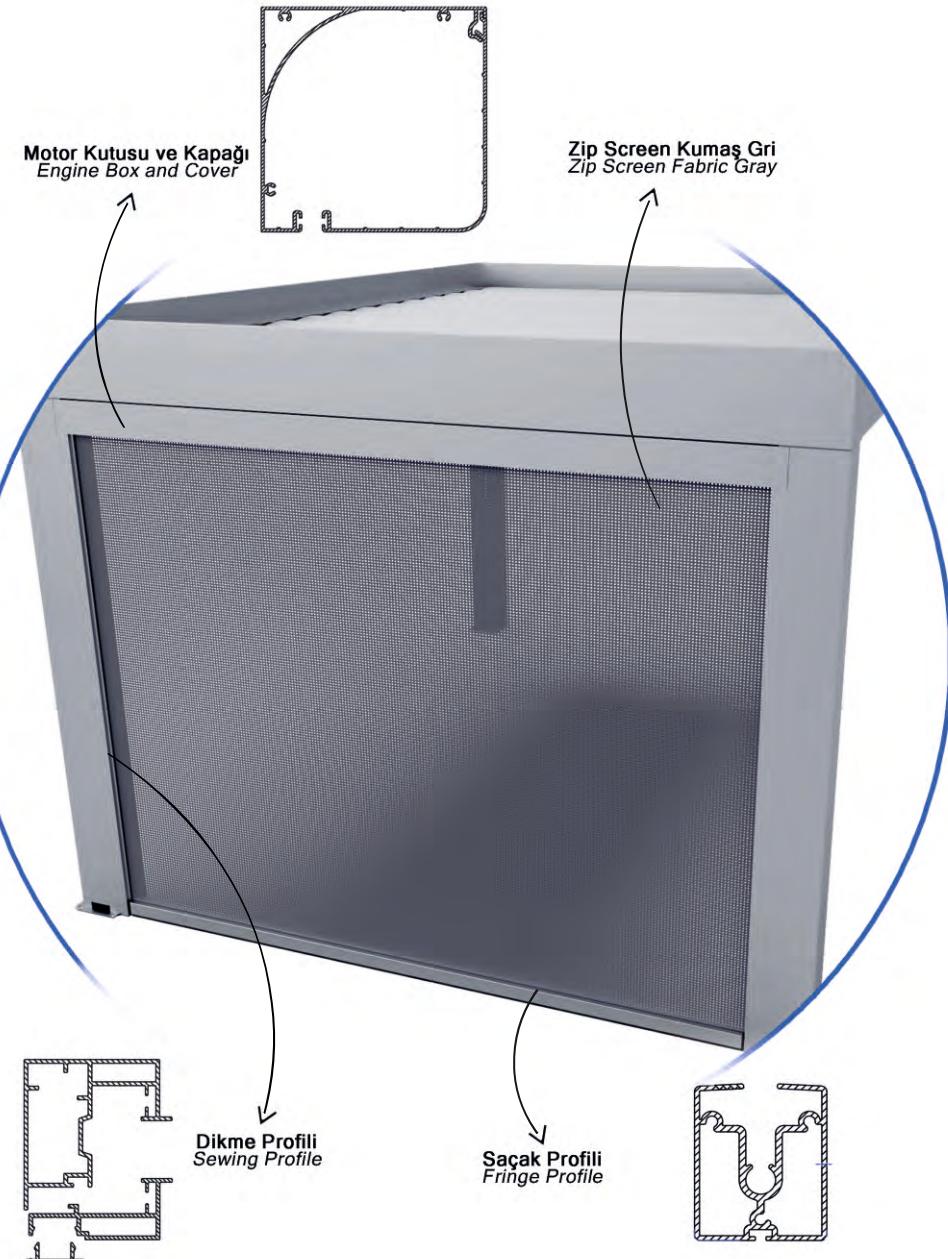
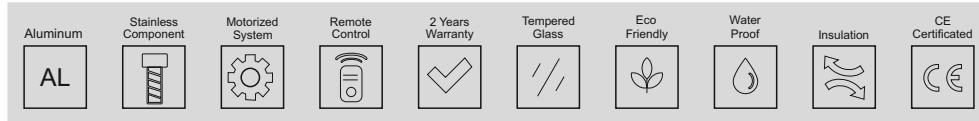
**Zip Screen Kumaş Gri**  
Zip Screen Fabric Gray  
Code: ZIP-K02  
Roll: 1



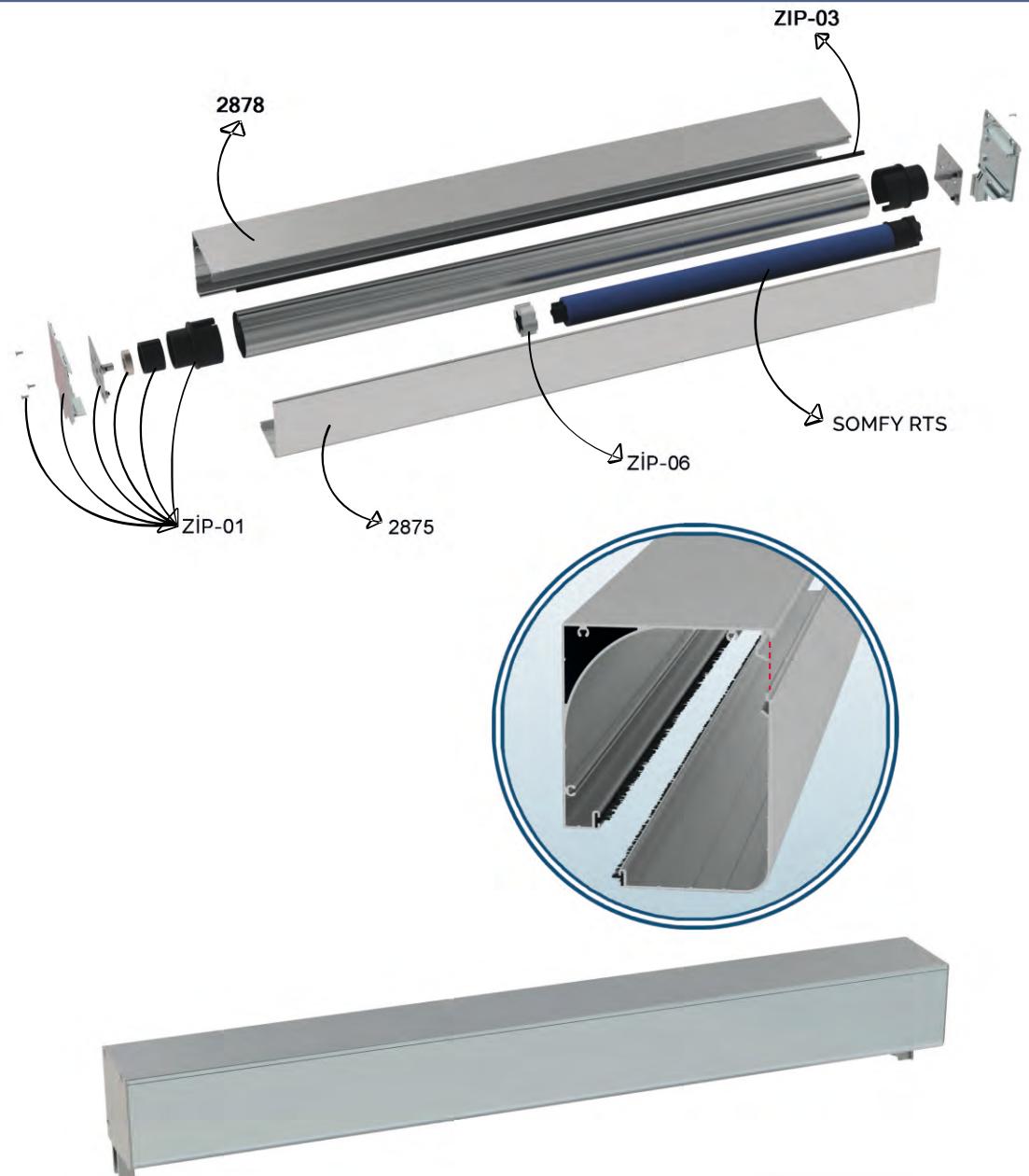
**Zip Screen Kumaş Beyaz**  
Zip Screen Fabric White  
Code: ZIP-K03  
Roll: 1



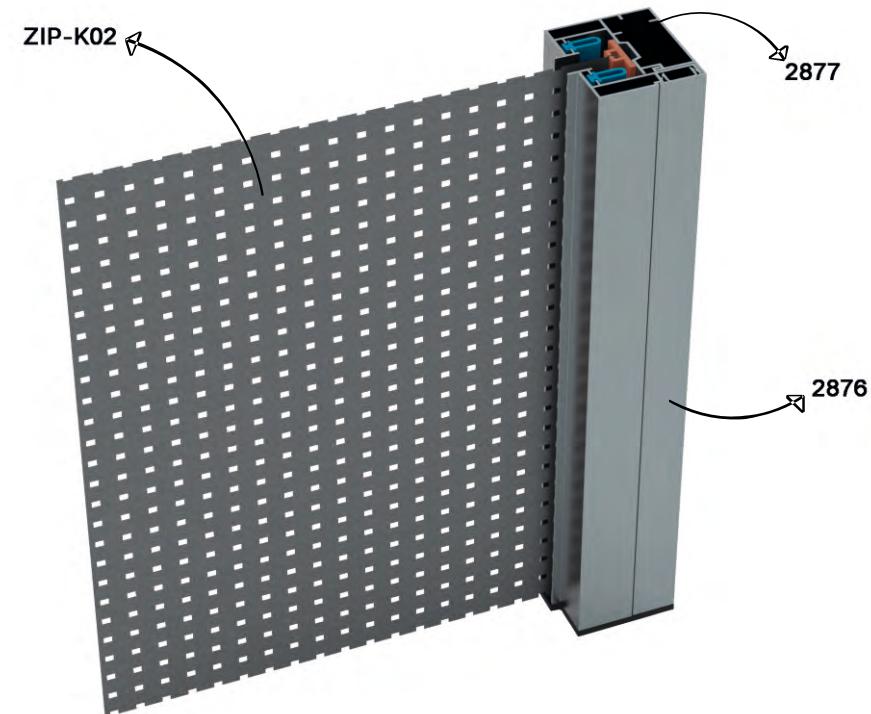
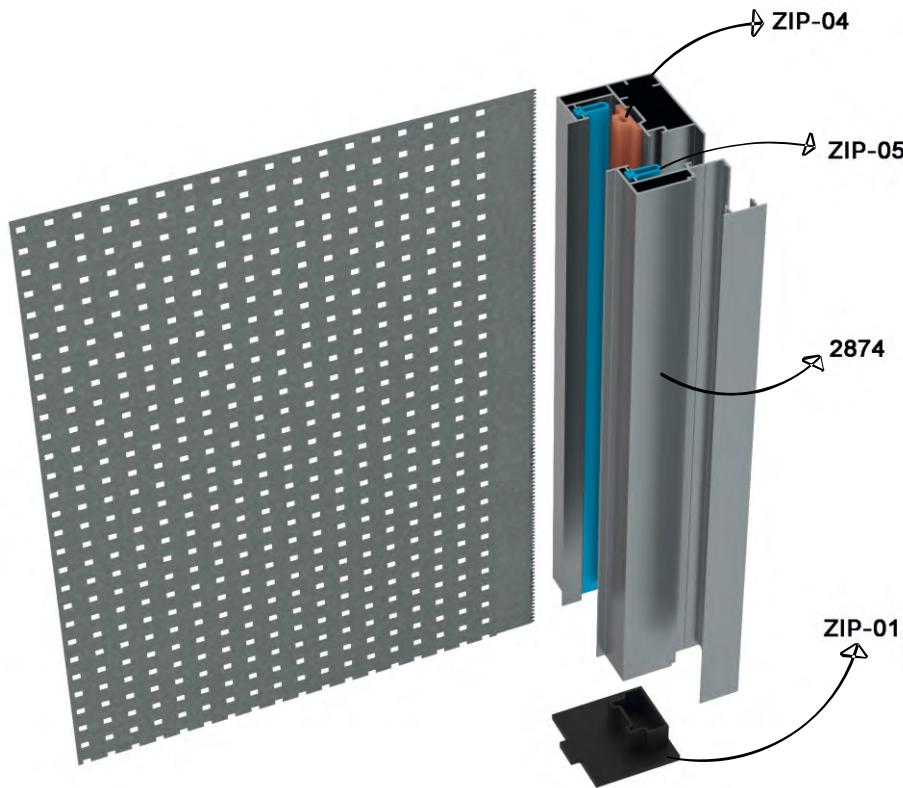
## ZIP SİSTEMİ / ZIP SYSTEMS



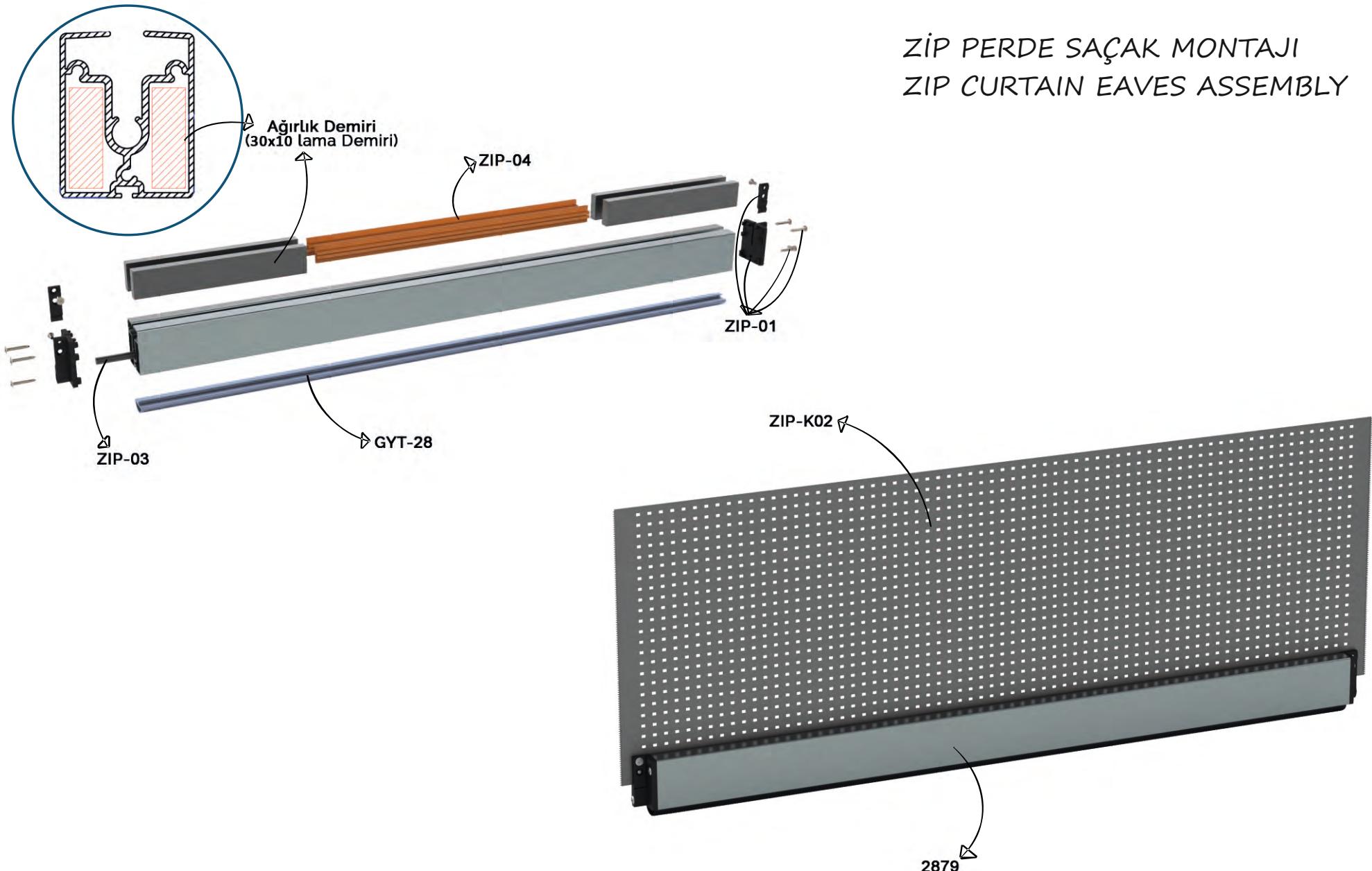
## ZİP PERDE MOTOR KUTUSU MONTAJI ZIP CURTAIN MOTOR BOX ASSEMBLY



## ZİP PERDE DİKME MONTAJI ZIP CURTAIN SEWING ASSEMBLY



ZİP PERDE SAÇAK MONTAJI  
ZIP CURTAIN EAVES ASSEMBLY





ZIP SİSTEMİ / ZIP SYSTEMS



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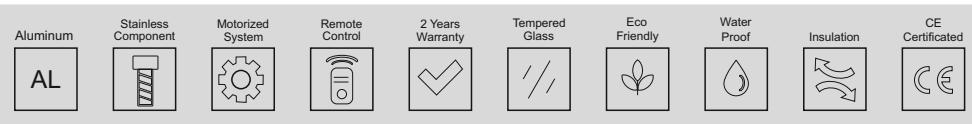
GUILLOTINE



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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



2627-23

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



2572-23

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

\* ALUMINUM PARTS  
\* POWDER COATING  
\* RAL COLOR



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



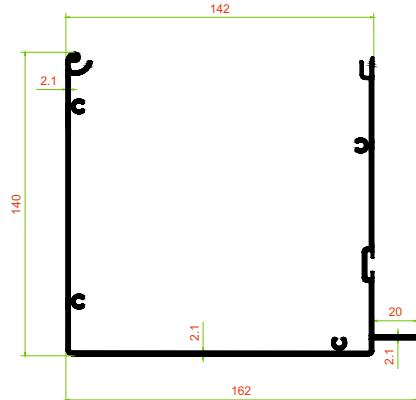
2581-23

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



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**RASYONEL**  
**PERGOLA**  
SÜDWEST



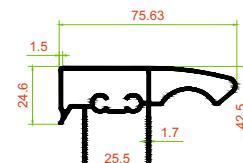
2582-23

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



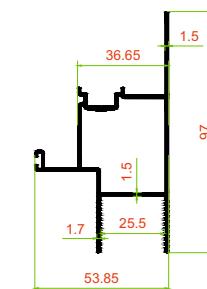
2583-23

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



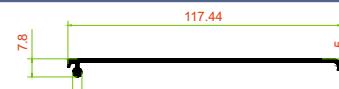
2579-23

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



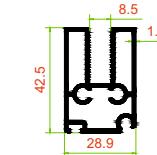
2574-23

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



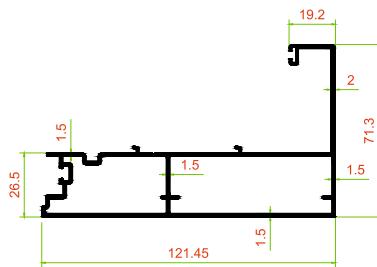
2627-23

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



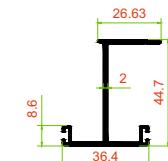
2575-23

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



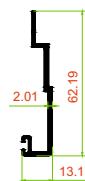
2570-23

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



2571-23

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



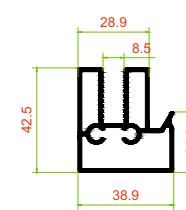
2572-23

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



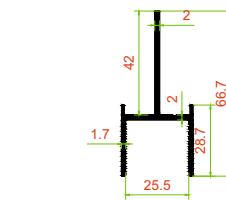
2573-23

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



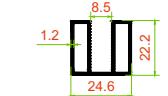
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Weight (kg/m) 0,764 KG/M



2576-23

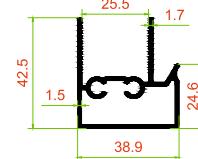
Weight (kg/m) 0,602 KG/M



2580-23

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

\* ALUMINUM PARTS



2575-23

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



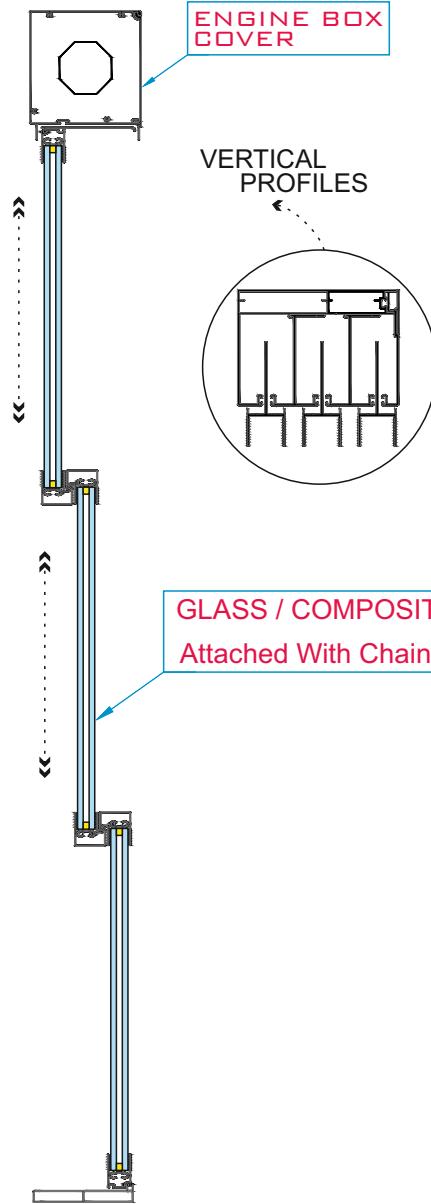
2581-23

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

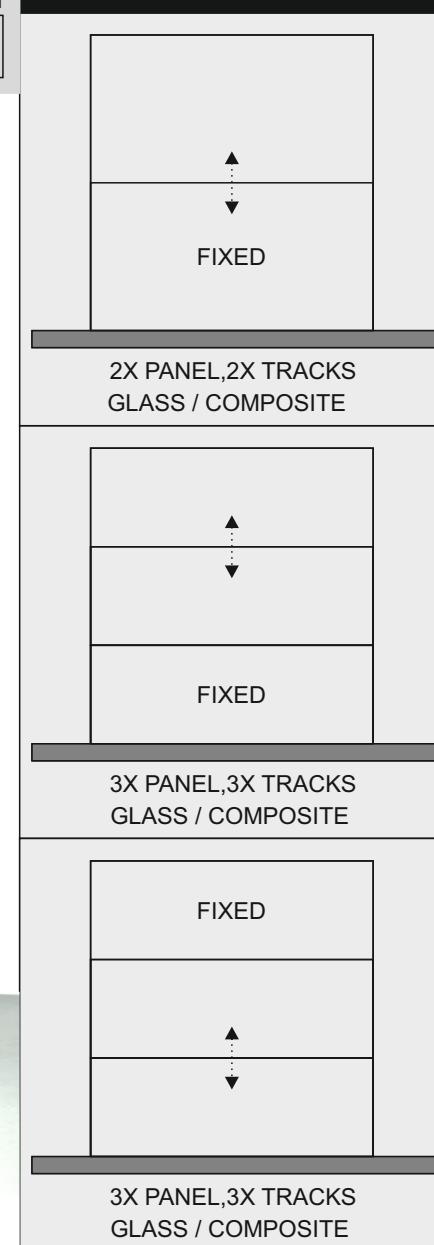


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SÜDWEST



#### POSITIONS OF GUILLOTINE SYSTEM



VERTICAL SECTION





HOTELS / APARTMENTS / RESTAURANTS



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**PERGOLA**  
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SLIDING GLASS



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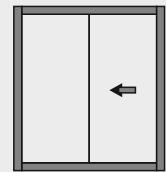


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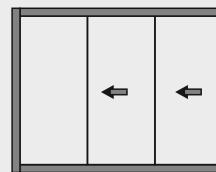
## POSITIONS OF SLIDING SYSTEM

THE NEW SLIDING SYSTEMS HAVE ENHANCED  
THE KNOWN STRENGTHS OF WITH A NEW QUALITY

EFFECTIVE SOUND ATTENUATION.



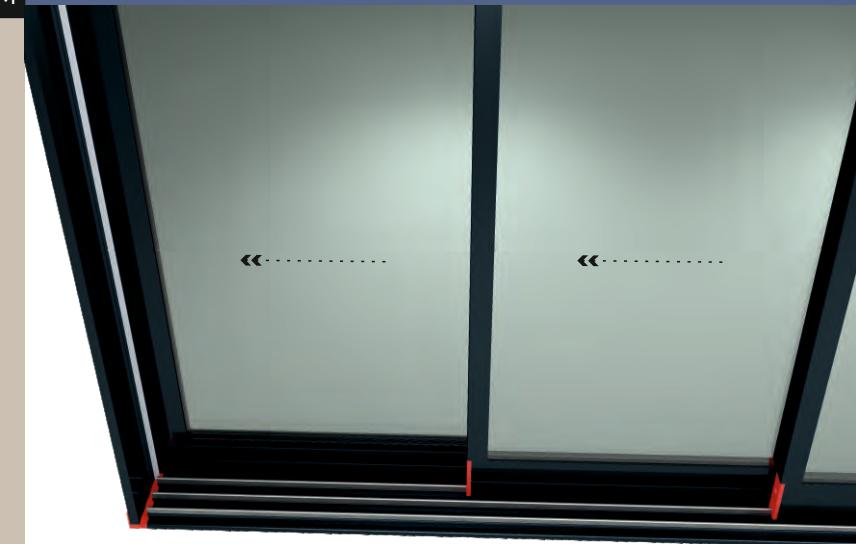
2 Slides Glass  
Close/Open to  
RIGHT / LEFT



3 Slides Glass  
Close/Open to  
RIGHT / LEFT



4 Slide Glass  
Close/Open to  
RIGHT / LEFT



QUIET AND COMFORTABLE



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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



2488-23

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



2492-23

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



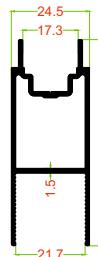
2484-23

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



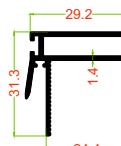
[www.rasyonel-pergola.de](http://www.rasyonel-pergola.de)

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SÜDWEST



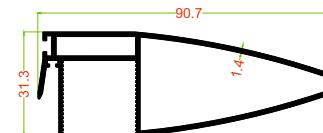
2487-23

Weight (kg/m) 707 KG/M



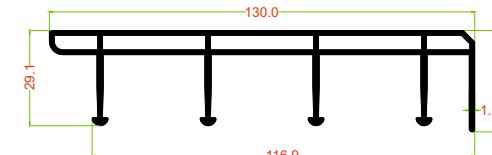
2489-23

Weight (kg/m) 476 KG/M



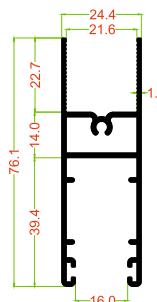
2490-23

Weight (kg/m) 948 KG/M



2486-23

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



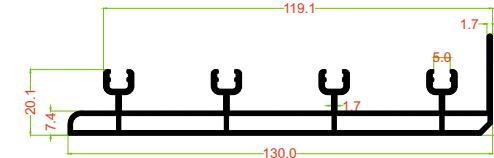
2483-23

Weight (kg/m) 875 KG/M



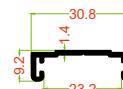
2491-23

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



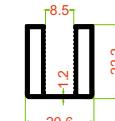
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Weight (kg/m) 1,653 KG/M



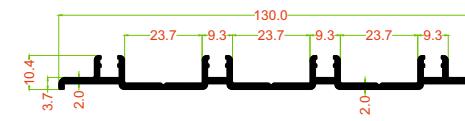
2488-23

Weight (kg/m) 208 KG/M



2492-23

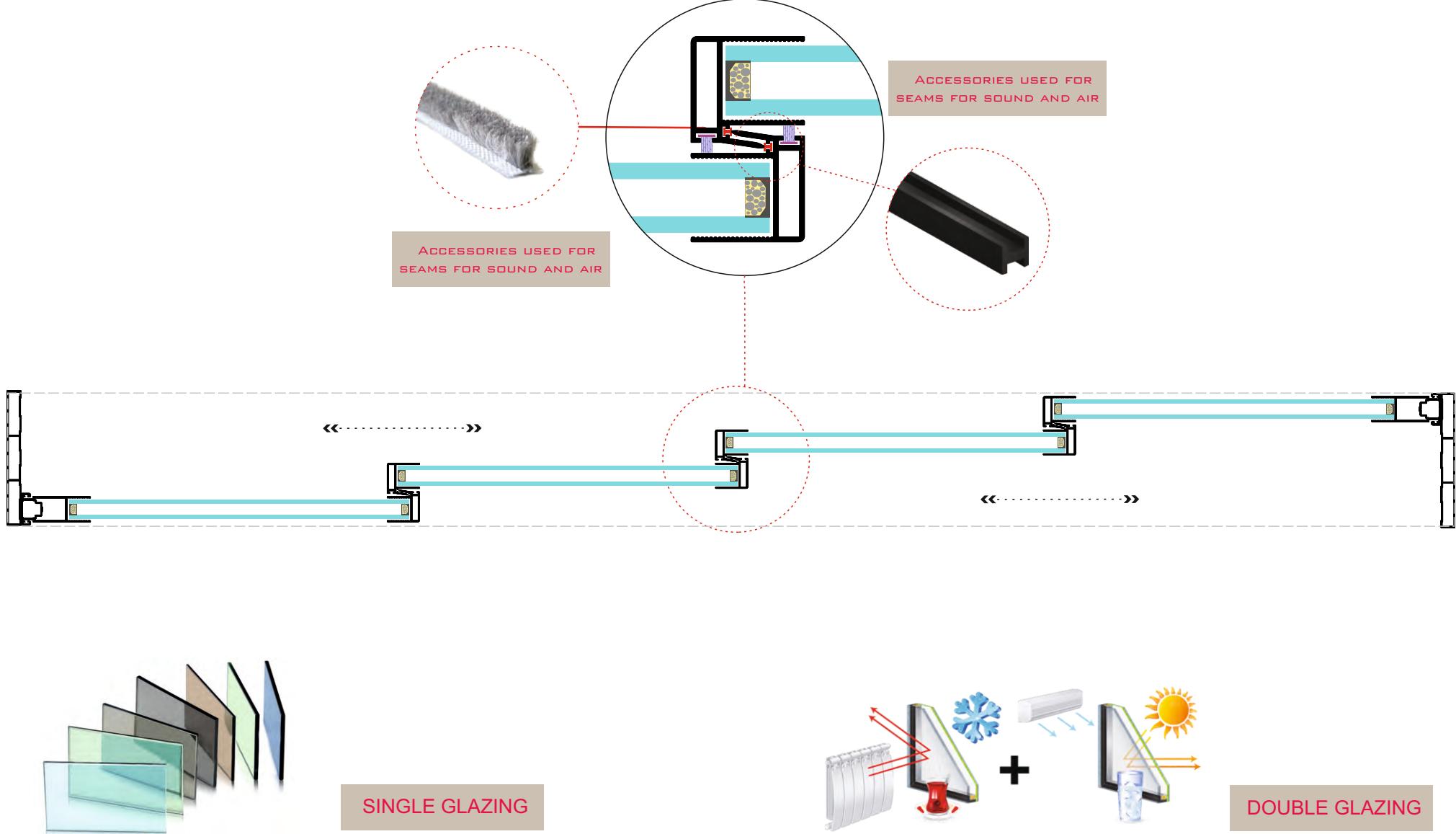
Weight (kg/m) 352 KG/M

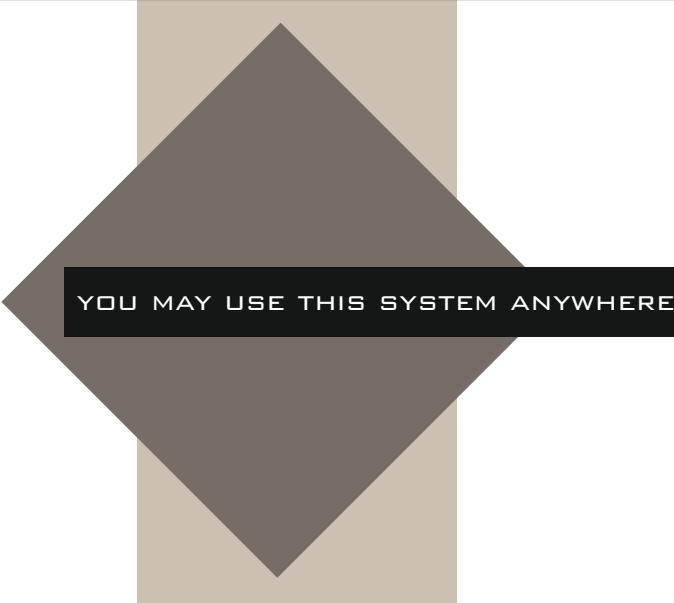


2484-23

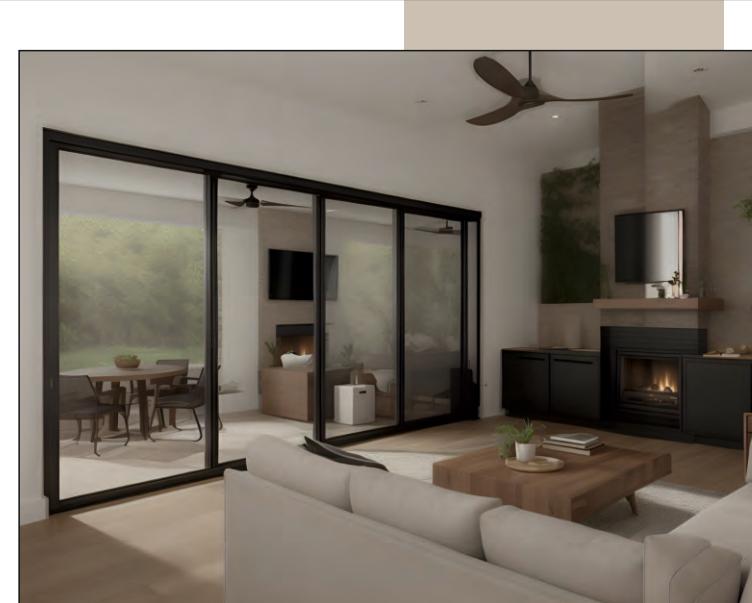
Weight (kg/m) 1,013 KG/M







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**WOHELL**

oe-GOTTA

**HELLDACH**

**VON BÈSSE**



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[kontakt@rasyonel-pergola.de](mailto:kontakt@rasyonel-pergola.de)

+49 173 8540365

