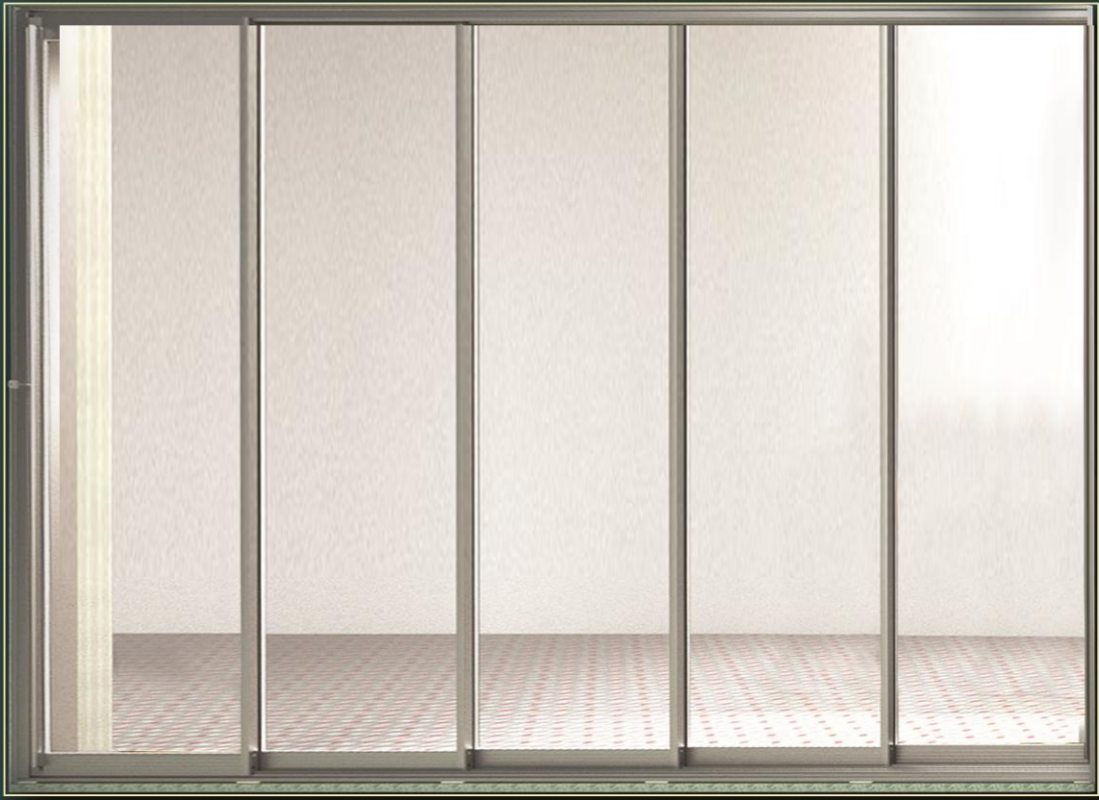
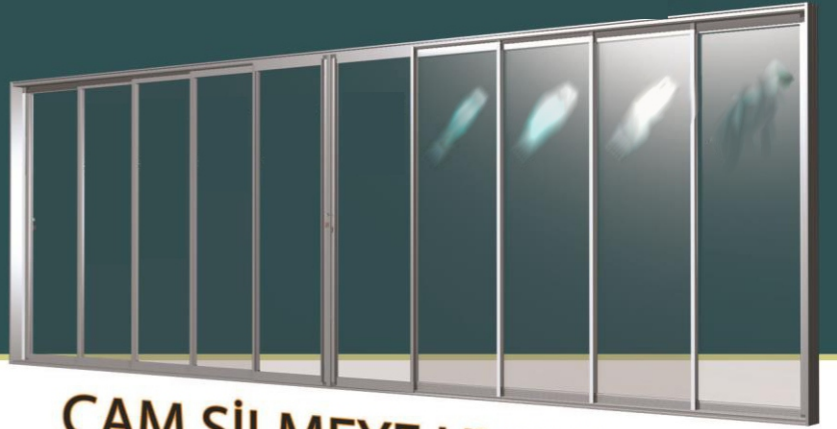




3'LÜ 4'LÜ ve 5'Lİ SÜRME SİSTEMLERİ Cam Balkon Özelliği Olan Sürme



YÜKSEK KATLARDA  
DIŞ TARAFTAN



CAM SİLMEMEYE UYGUN

2014

2015

2016

2017

2018

2019

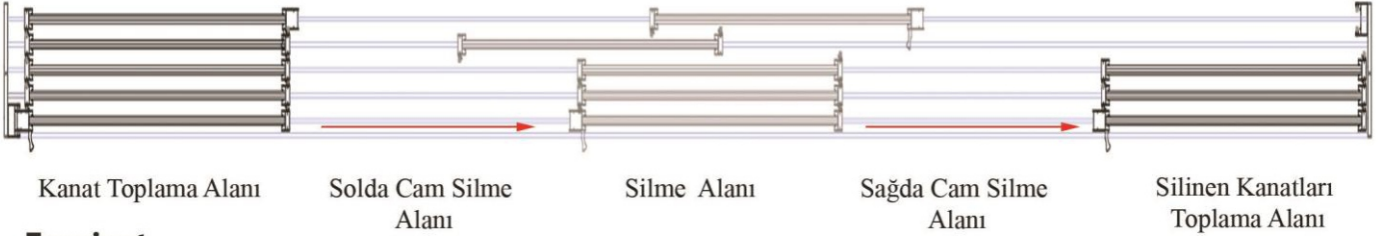
## KULLANIM ALANLARI

Kış bahçeleri , havuz kenar kapatmaları, veranda yanları kapatmaları ,teras kapatmaları , fabrika veya makinalara hijyenik ortam odaları, kafe, restoran,bistro gibi sabit ve hareketli kayar tavanların alt kısımlarına uygulanmaktadır. Zemin ve yüksek katlarda cam balkon olarak kullanılabilir.



## SİSTEMİN ÖZELLİKLERİ

### Üst Katlarda Cam Silme Şekilleri



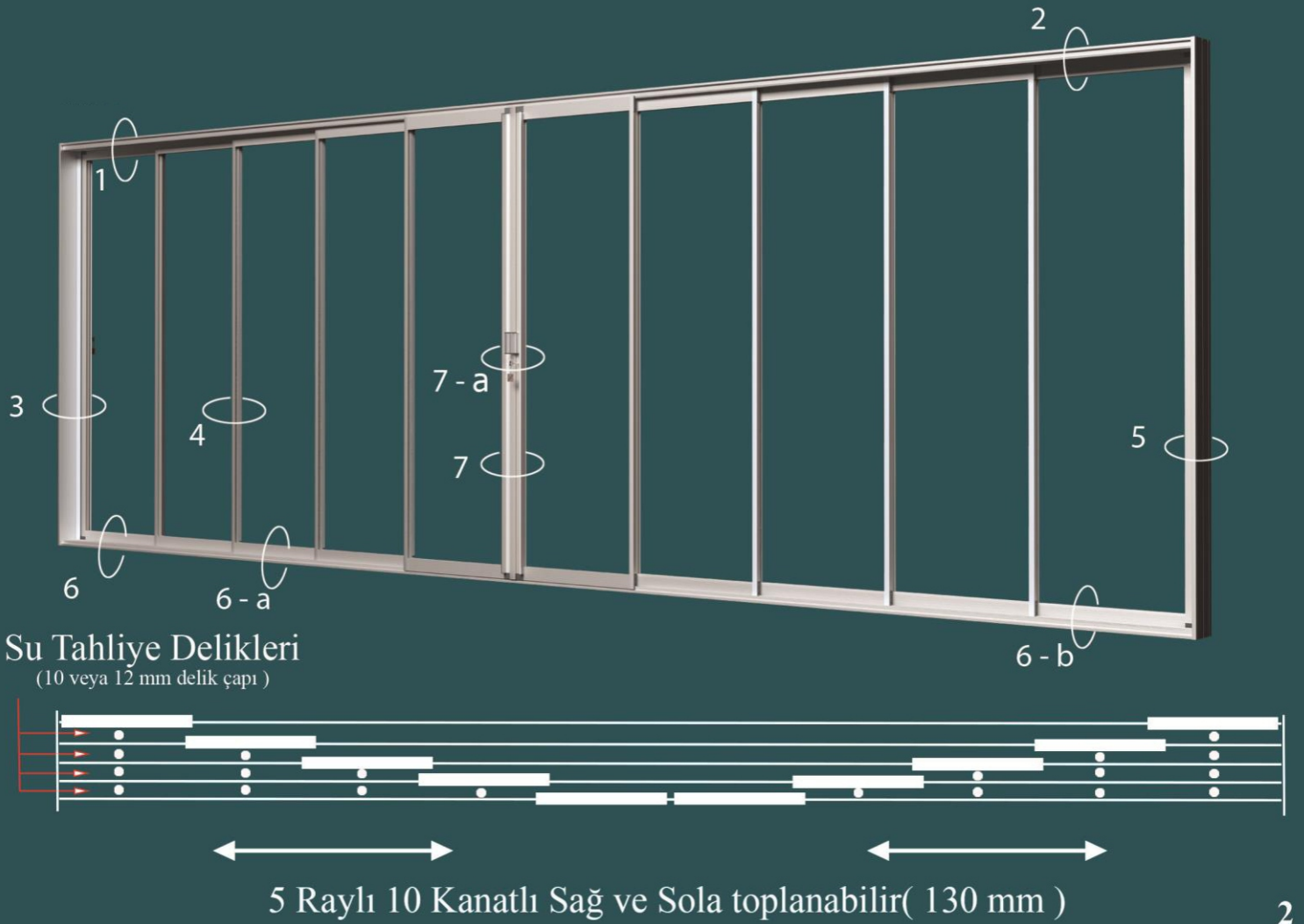
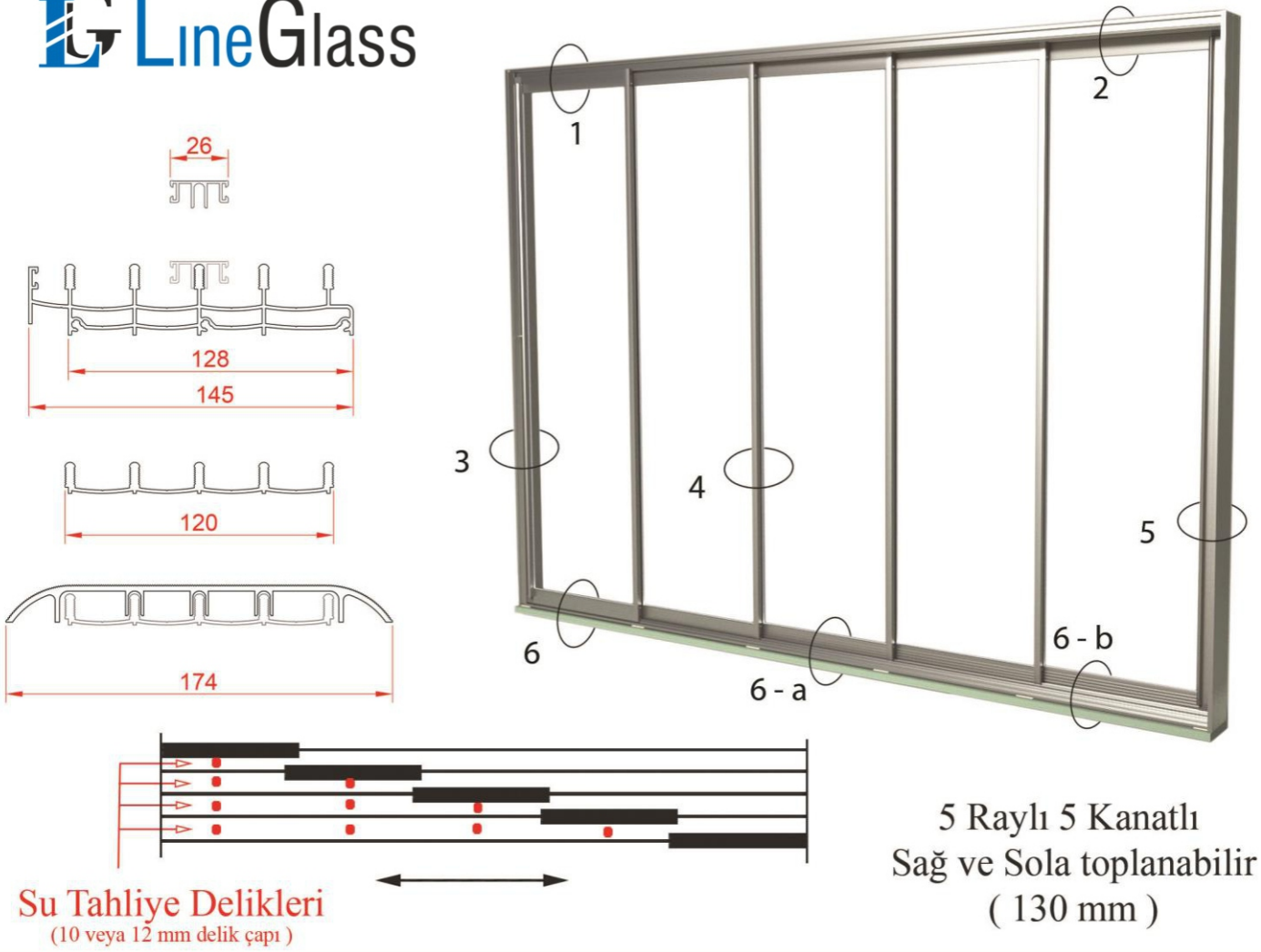
### Emniyet

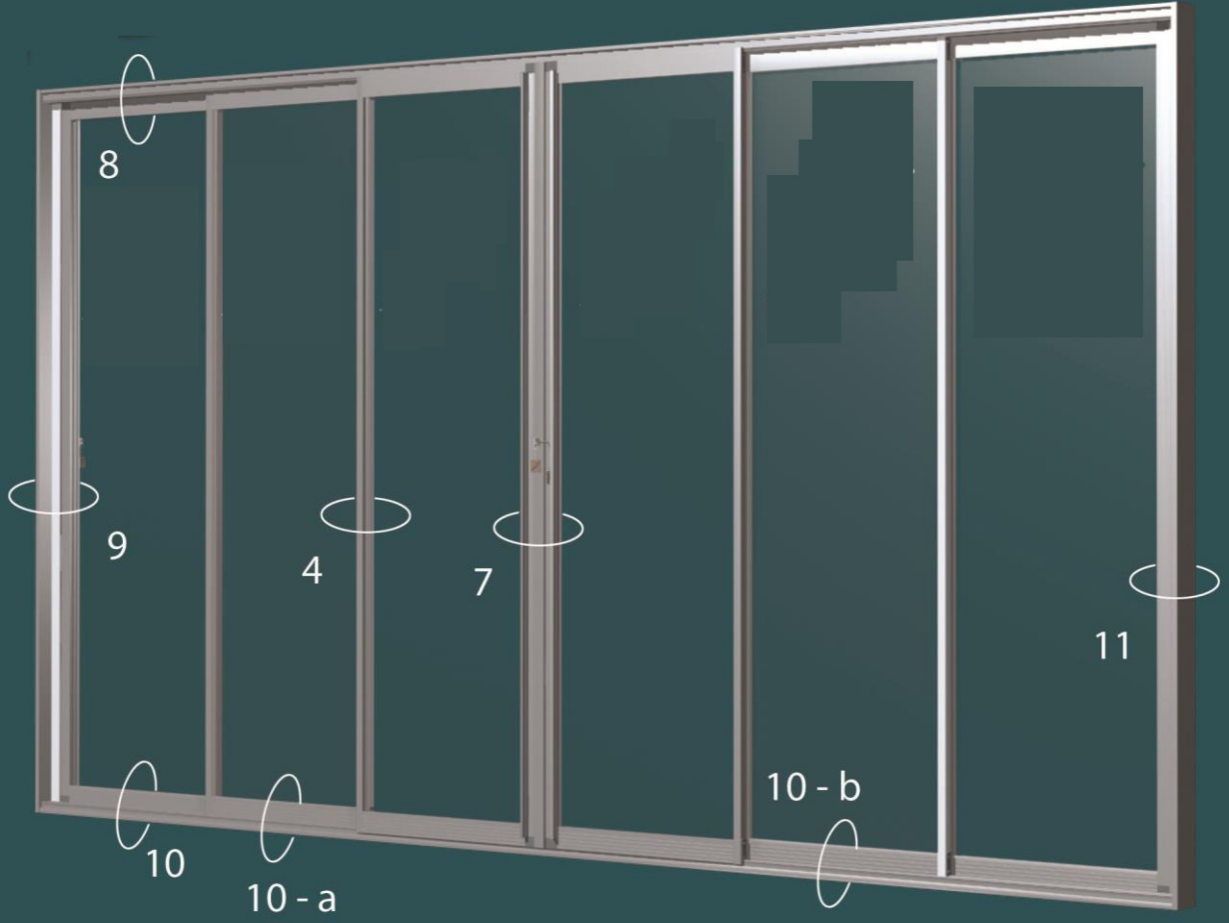
- \* Sistem sağda ve soldaki kanatlarda ister içten istenirse de dıştan kilitlenebilir.
- \* Hareketli kanatların yukarı kaldırılarak raydan çıkmamasını sağlayan emniyet kilitleri mevcuttur.
- \* Kanatlar arka kenetleme sistemi sayesinde ileri , geri ve sağa , sola açılmamaktadır.

### Sızdırmazlık İzolasyon

- \* Sisteme doğru detay uygulandığında kesinlikle su, rüzgar, toz dış mekandan içeri girmemektedir.
- \* Sistem fitilli kauçuk sızdırmazlık takozu sayesinde kanallardan suyun içeri girmesini engellemektedir.  
Aynı zamanda kauçuk takozlar üzerindeki kıl fitiller sayesinde toz, rüzgar ve soğuk içeri girmemektedir.
- \* Sistemimize 4 mm' den 10 mm' e kadar düz cam uygulanmaktadır.
- \* Sistemimize 19 mm Isıcam (4 + 9 + 6 ),( 5 + 9 + 5 ),( 4 + 10 + 5 ) Isıcam kombinasyonları uygulanmaktadır.
- \* Sistem mekanlarda zeminden 400 cm' e kadar olan ölçülerde dikey profillerin içine direnç artırıcı profil kullanılarak uygulanır. ( Detay 4 - a bakınız )
- \* Sistem üst katlarda 300 cm' e kadar olan ölçülerde direnç artırıcı profiller kullanılarak uygulanır. ( Detay 4 - a bakınız )
- \* Sistemimizde kanat genişlikleri 140 cm' e kadar uygulanabilmektedir.
- \* Tekerler özel yapım yüksek taşıma kapasitesine sahip olup 2 yıl garantilidir.

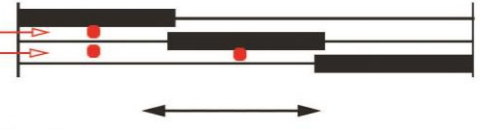






3 Raylı 6 Kanatlı  
Sağ ve Sola toplanabilir  
( 70 mm )

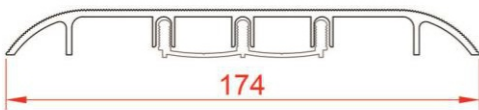
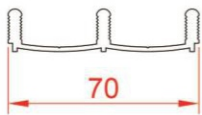
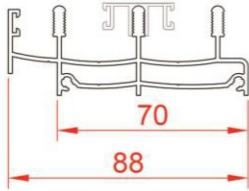
**Su Tahliye Delikleri**  
(10 veya 12 mm delik çapı)



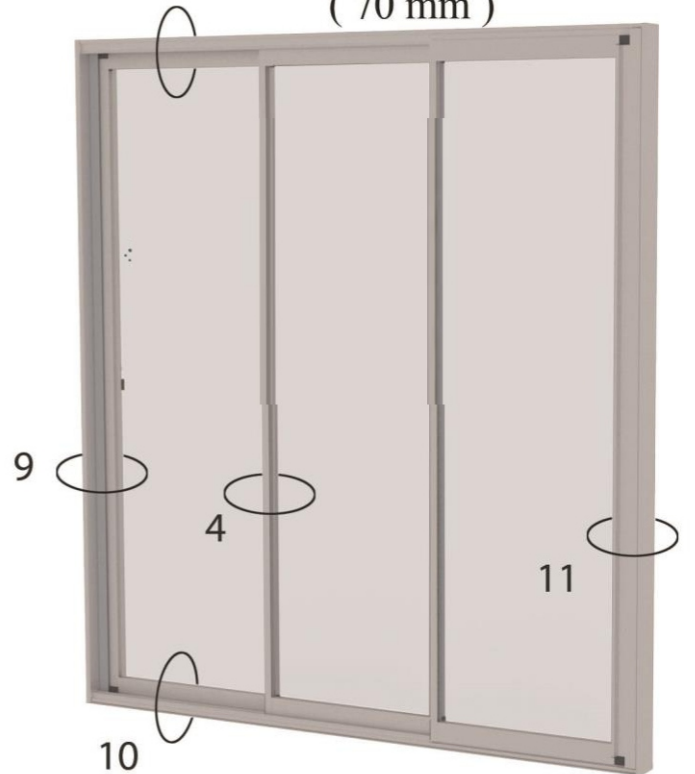
3 Raylı 3 Kanatlı  
Sağ ve Sola toplanabilir  
( 70 mm )



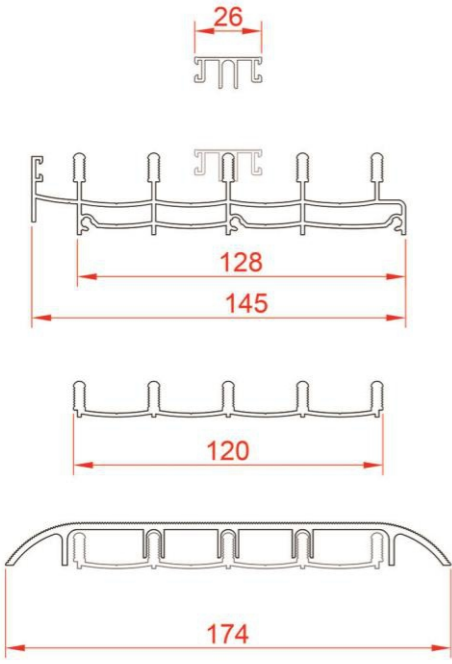
Ray Kapak Profili ( İsteğe bağlı )



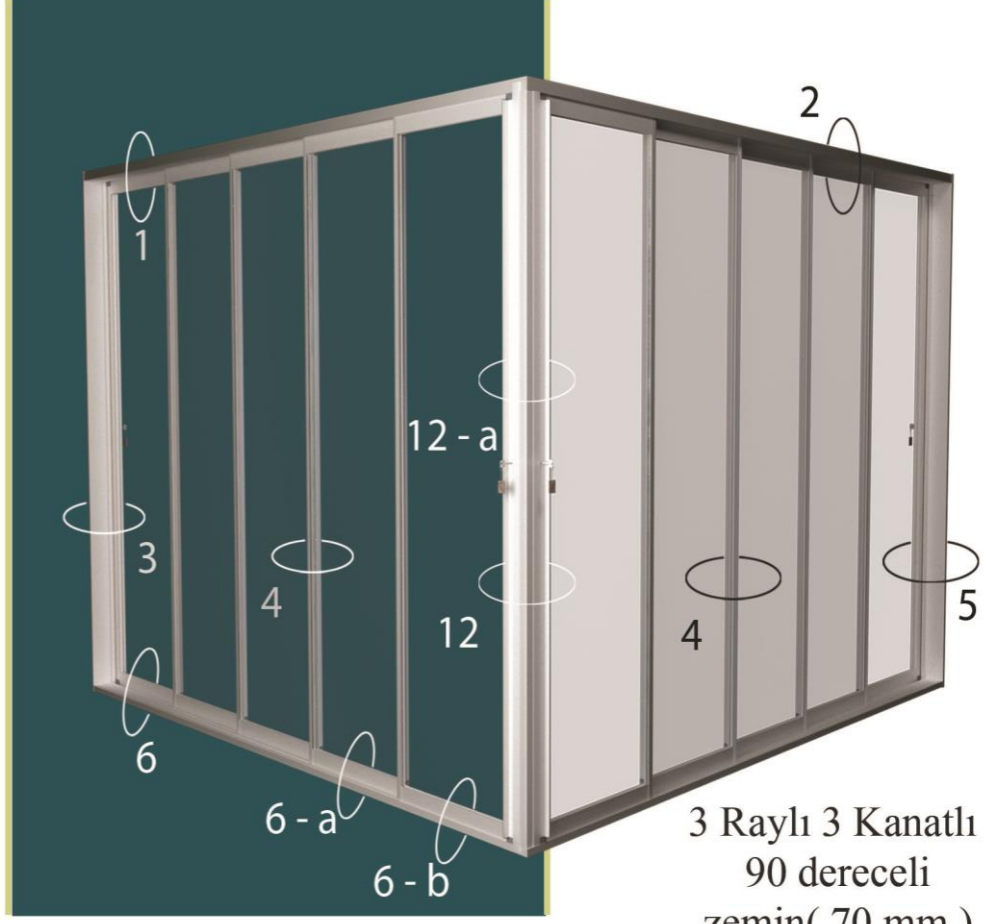
Yürüme Platformu ( İsteğe bağlı )



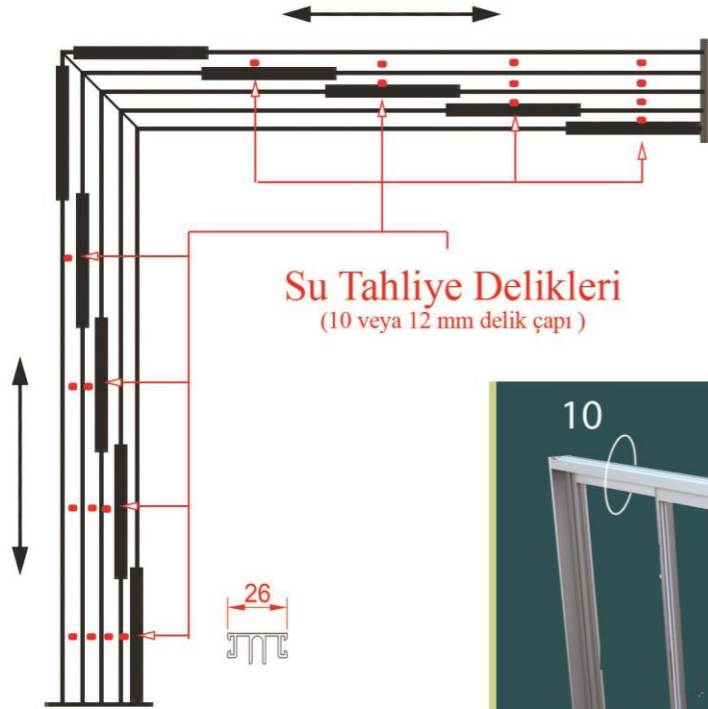




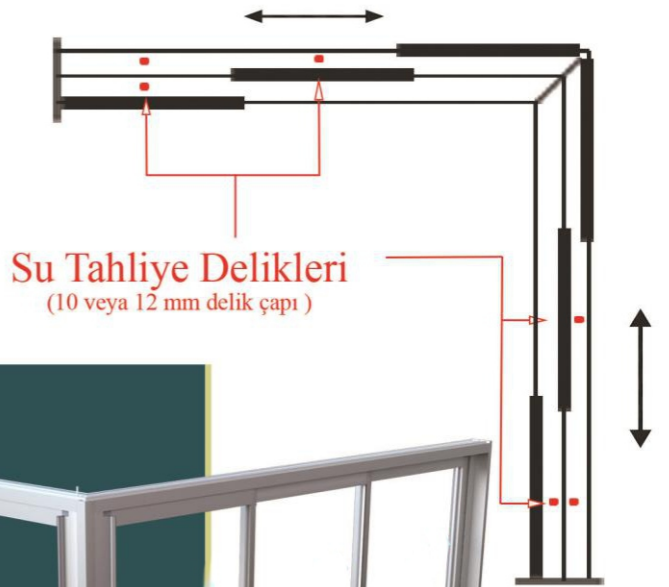
5 Raylı 5 Kanatlı  
90 dereceli  
zemin ( 130 mm )



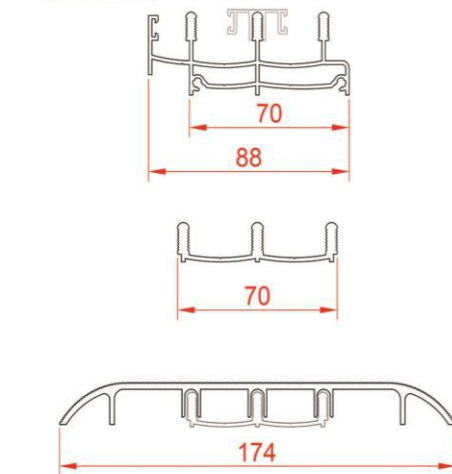
3 Raylı 3 Kanatlı  
90 dereceli  
zemin( 70 mm )



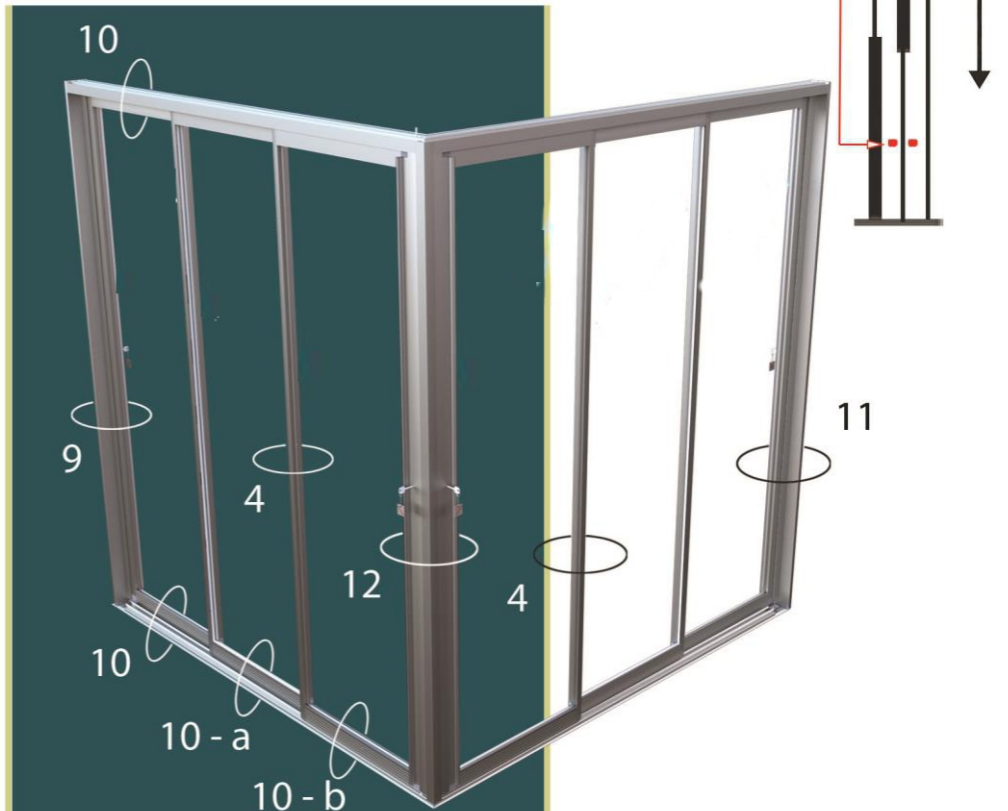
Su Tahliye Delikleri  
(10 veya 12 mm delik çapı )

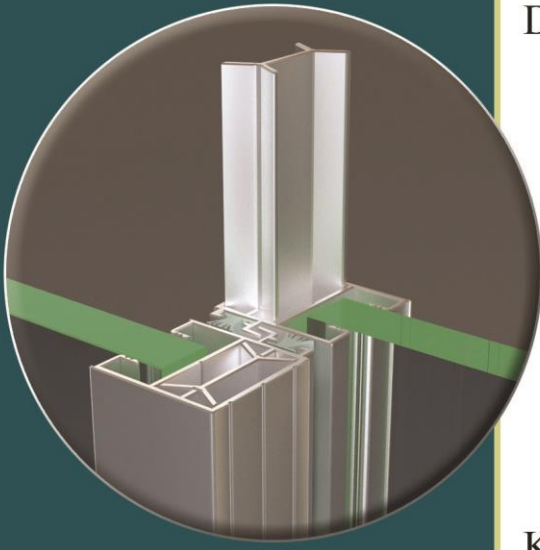


Su Tahliye Delikleri  
(10 veya 12 mm delik çapı )

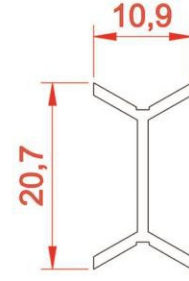
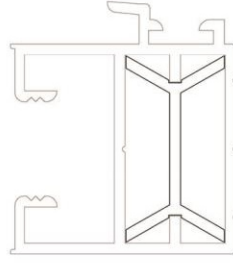


Yürüme Platformu





Direnç Artırıcı Takviye Profili

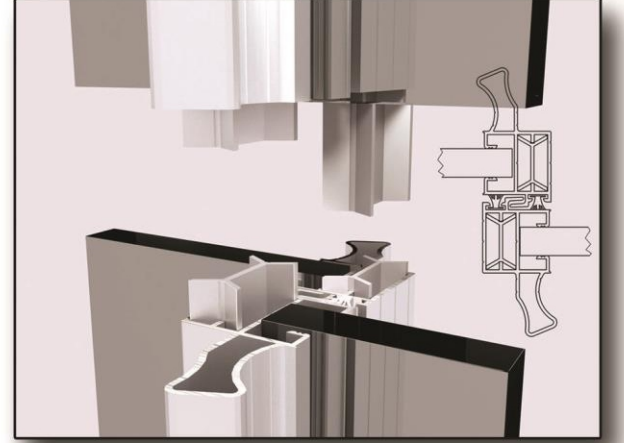
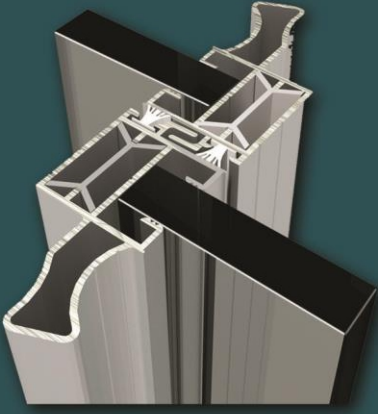


250 cm den  
sonra  
kesin kullanılmalı

250 cm den  
aşağı ölçülerde  
isteğe bağlı

Direnç Artırıcı Takviye Profili

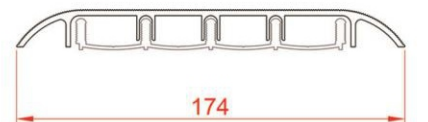
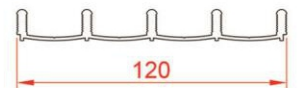
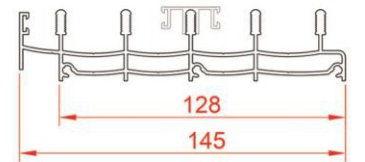
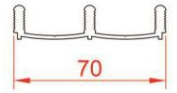
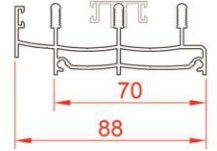
Kulplu ve takviye  
profili ile  
kullanıldığında  
400 cm. ye kadar  
uygun



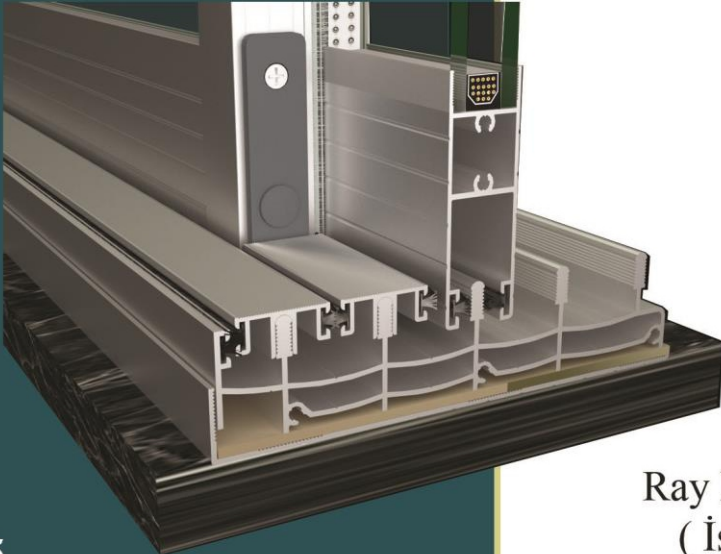
4 - a nolu  
nokta detayı



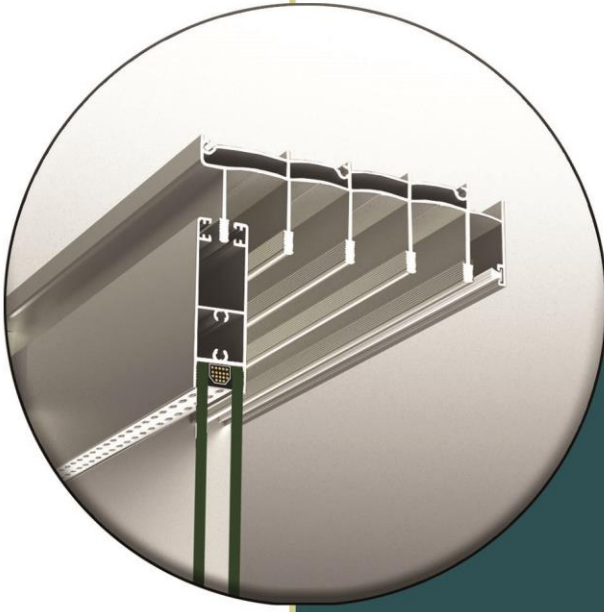
Yürüme  
Platformu  
( İsteğe bağlı )



Ray Kapak Profili  
( İsteğe bağlı )



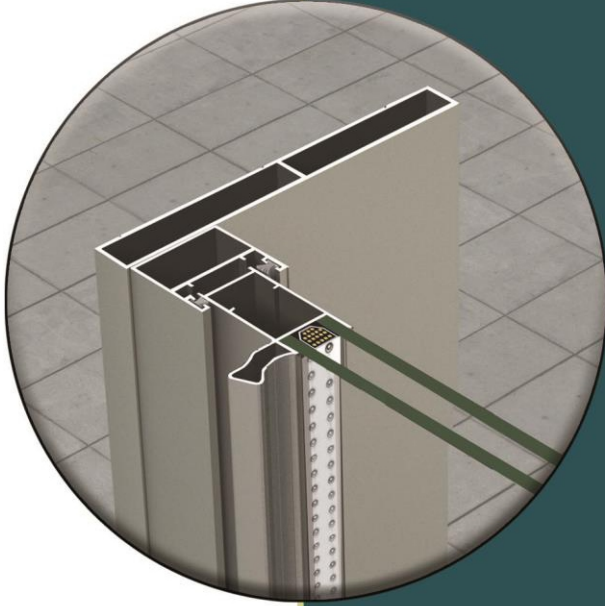




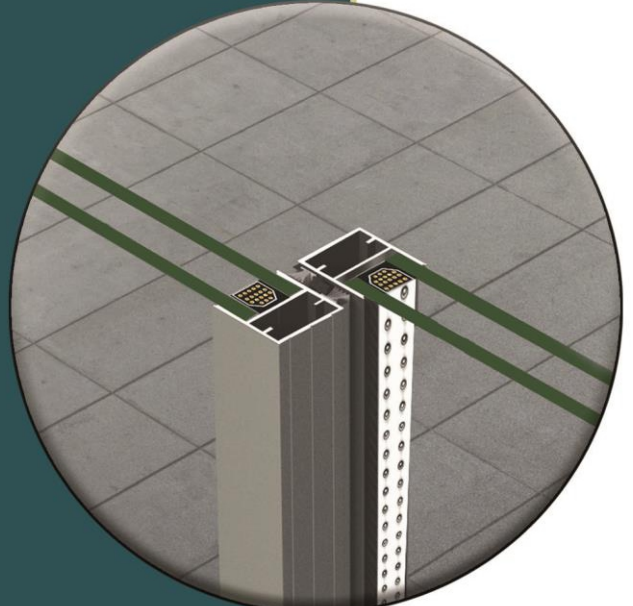
1 nolu nokta detayı



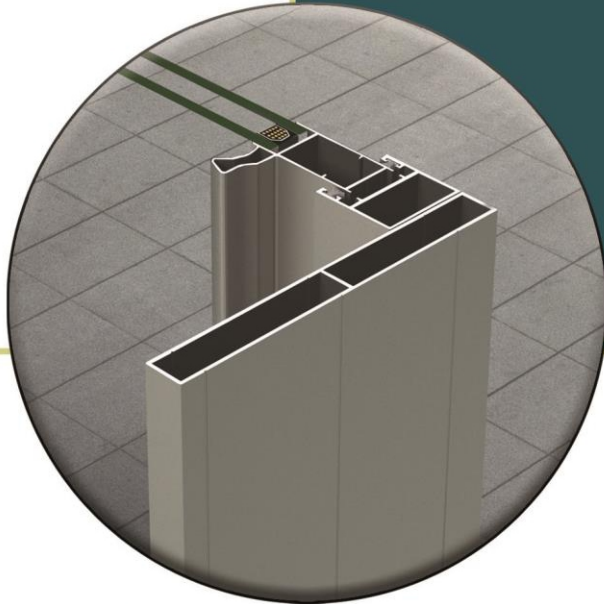
2 nolu nokta detayı



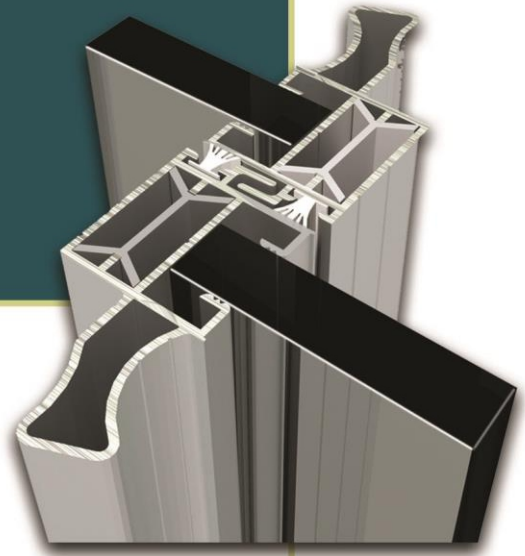
3 nolu nokta detayı



4 nolu nokta detayı

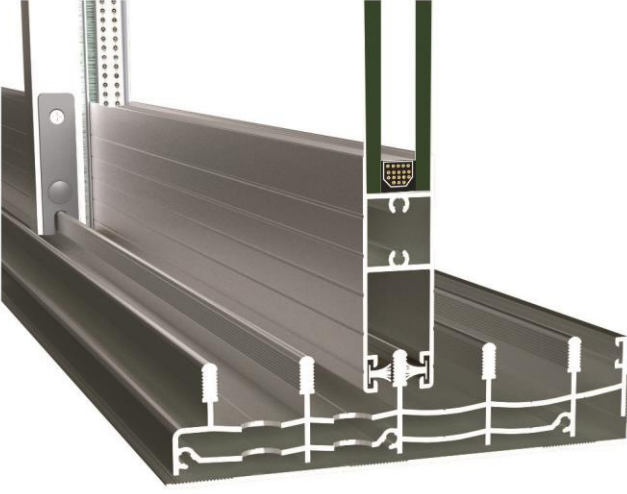


5 nolu nokta detayı

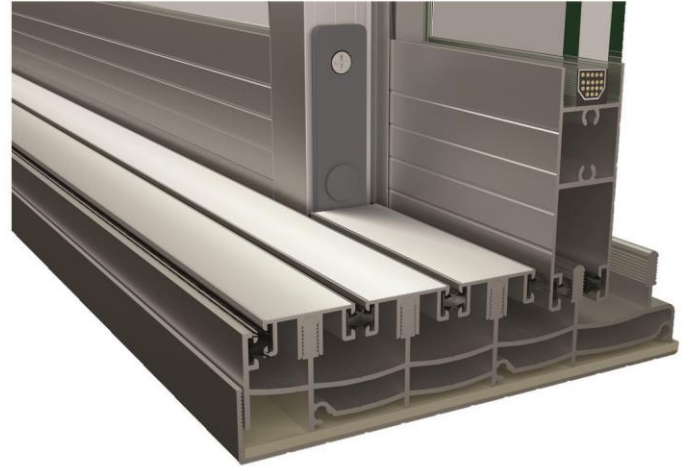


4 - a nolu nokta detayı

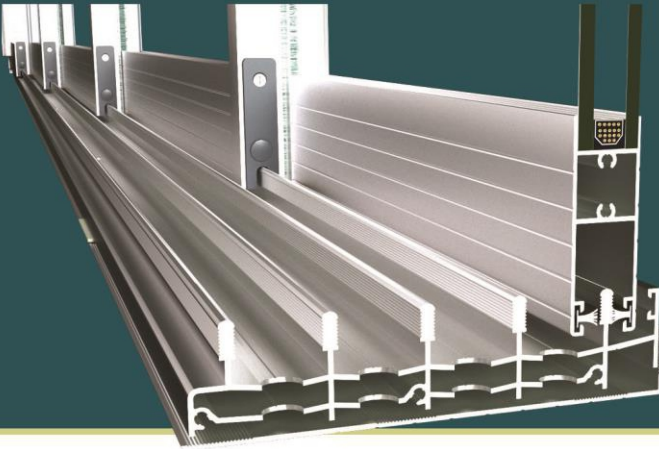




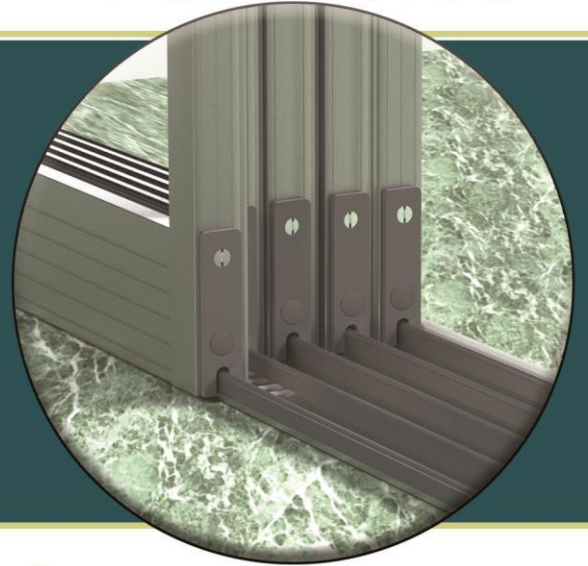
6 nolu nokta detayı Dış Görünüş



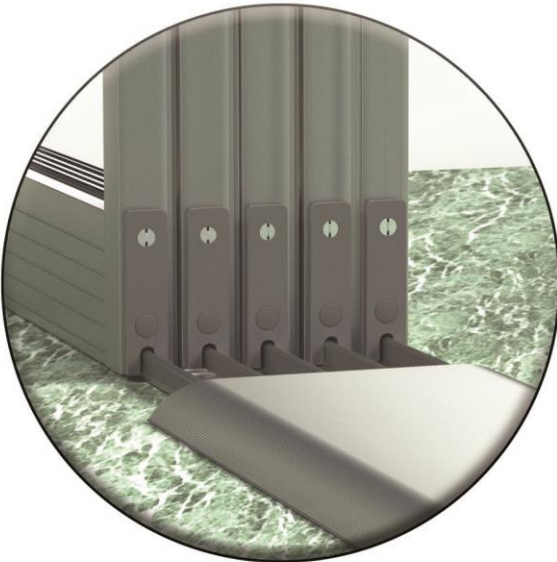
6 nolu nokta detayı İç Görünüş  
İsteğe Bağlı Ray Kapağı



6 nolu nokta detayı Dış Görünüş

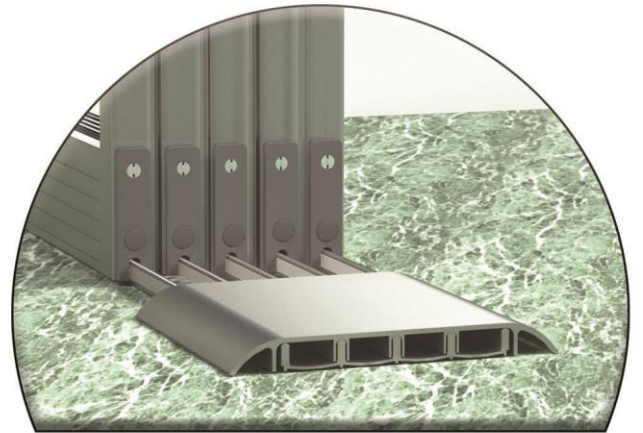


6 - a nolu nokta detayı



Zemin Yürüme Platformu

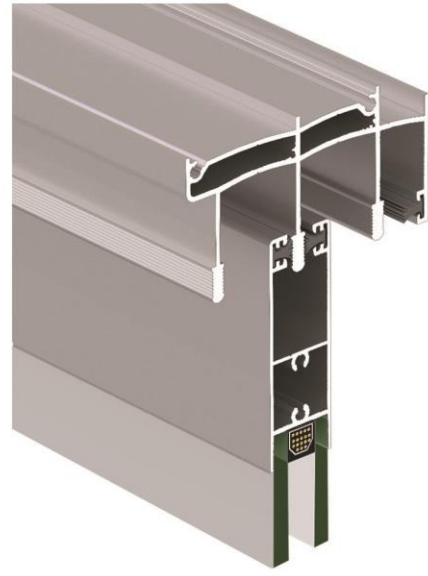
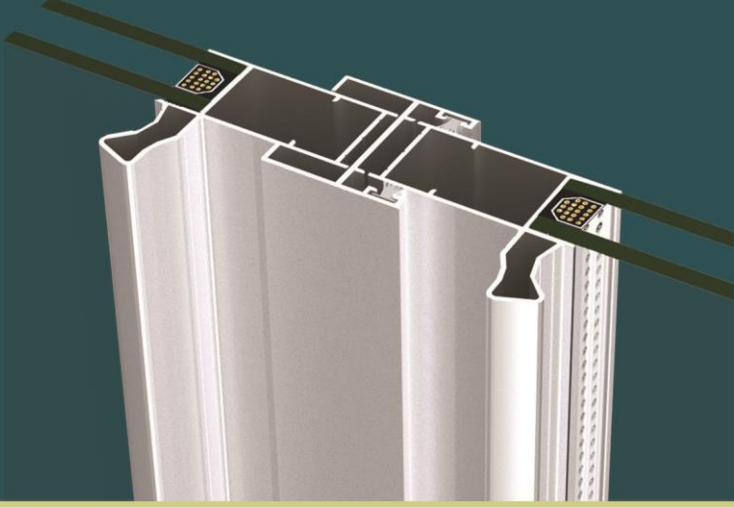
6 - b nolu nokta detayı



Zemin Yürüme Platformu

6 - b nolu nokta detayı

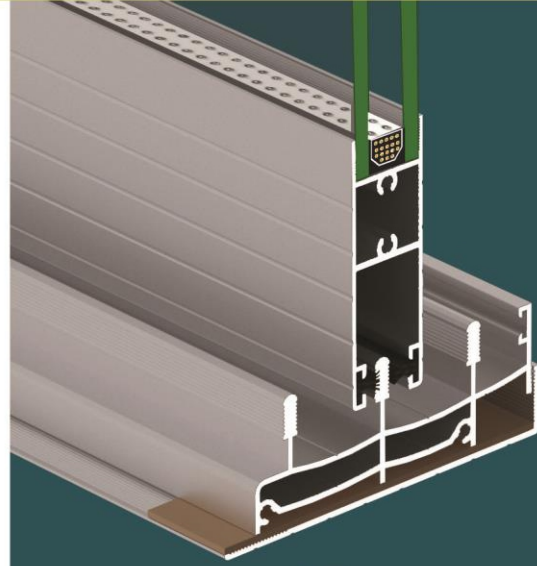
7 nolu nokta detayı



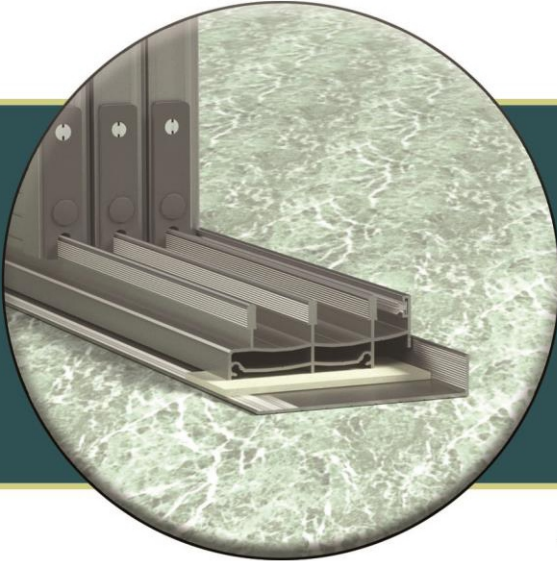
8 nolu nokta detayı



9 nolu nokta detayı



10 nolu nokta detayı

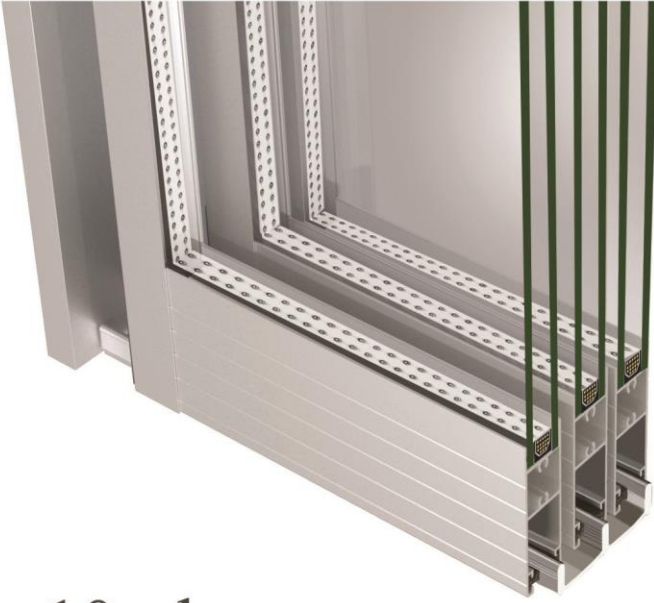


10 nolu nokta detayı

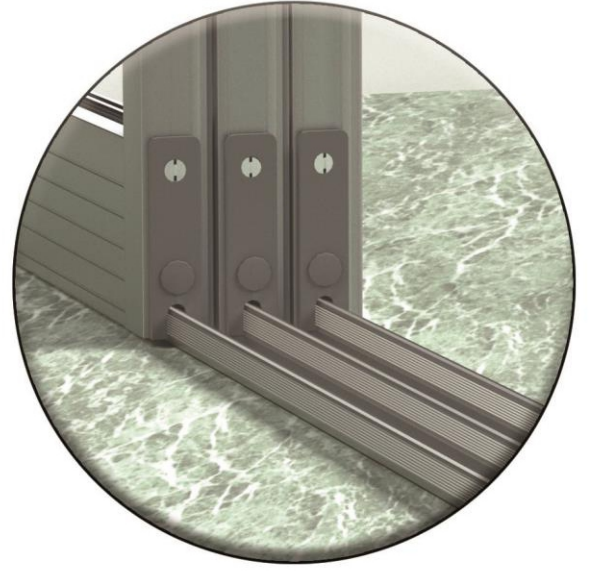
10 - a nolu nokta detayı  
Zemin Yürüme Platformu



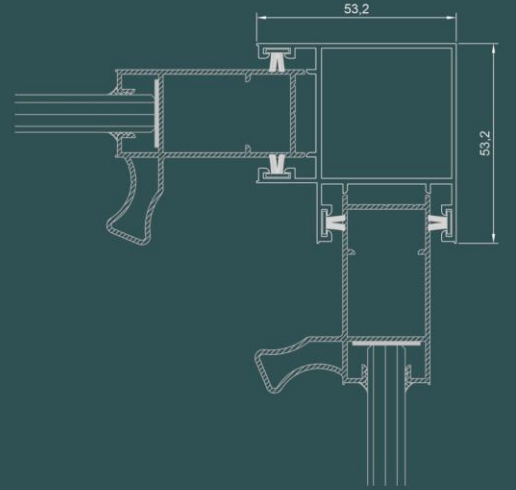
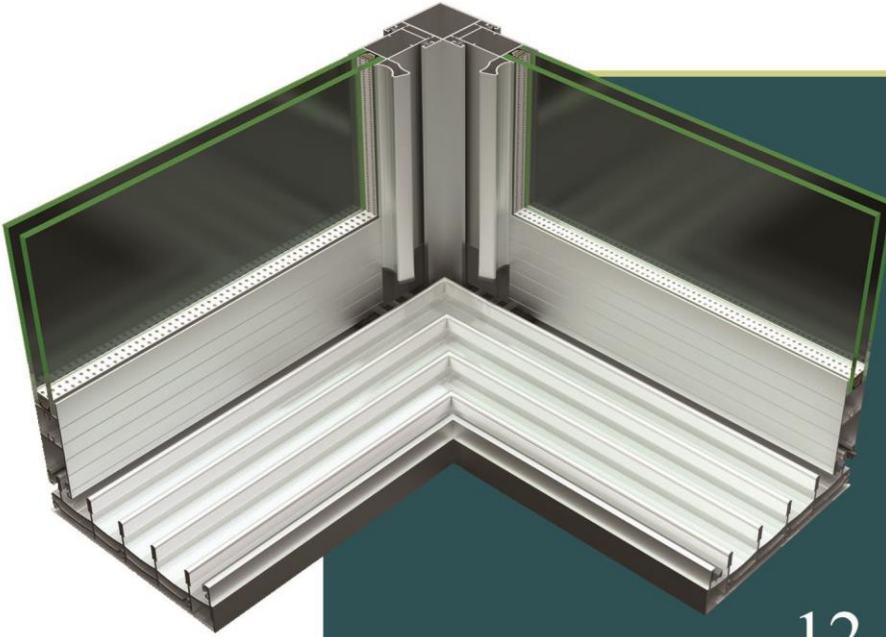




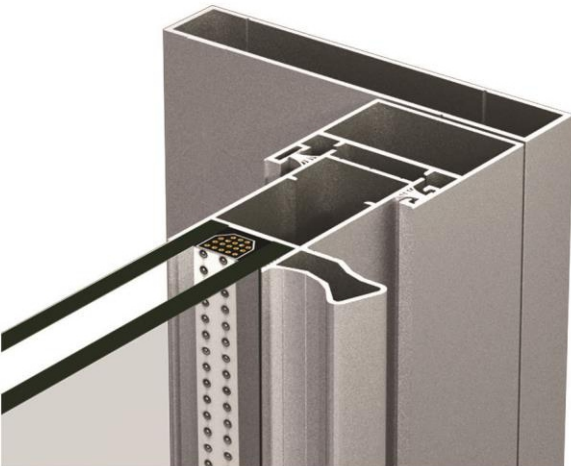
10 - b nolu nokta detayı



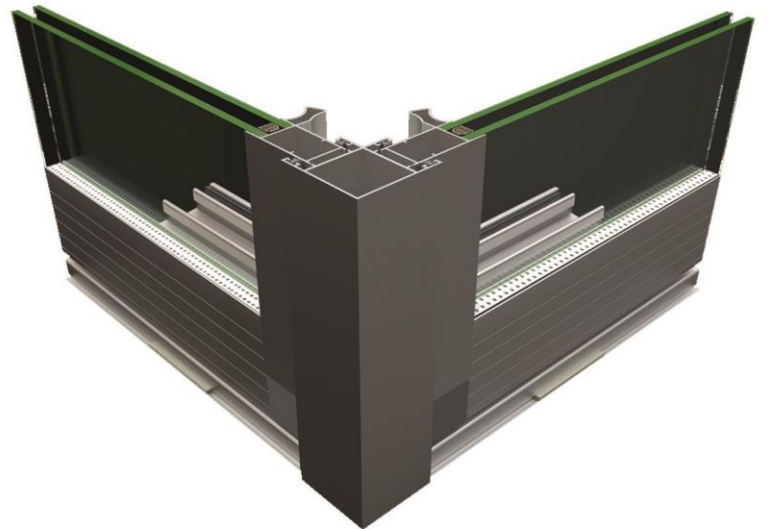
10 - c nolu nokta detayı



12 nolu nokta detayı İç Görünüş



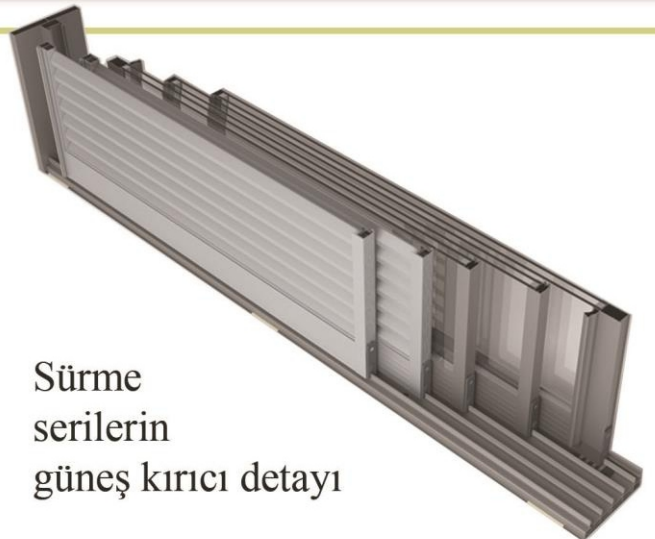
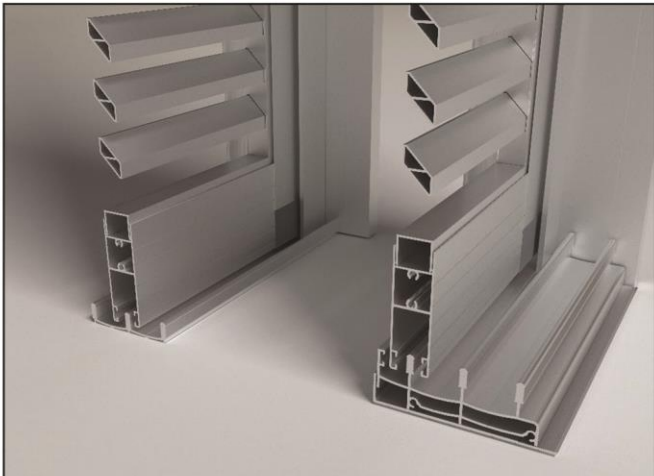
11 nolu nokta detayı



12 nolu nokta detayı Dış Görünüş



## 1-2-3-4-5 Raylı Sürme Kayar Kanatlı Güneş Kırıcı Menfez Detayları



Sürme  
serilerin  
güneş kırıcı detayı









PENCERE ÖNÜ HAREKETLİ GÜNEŞ KIRICI



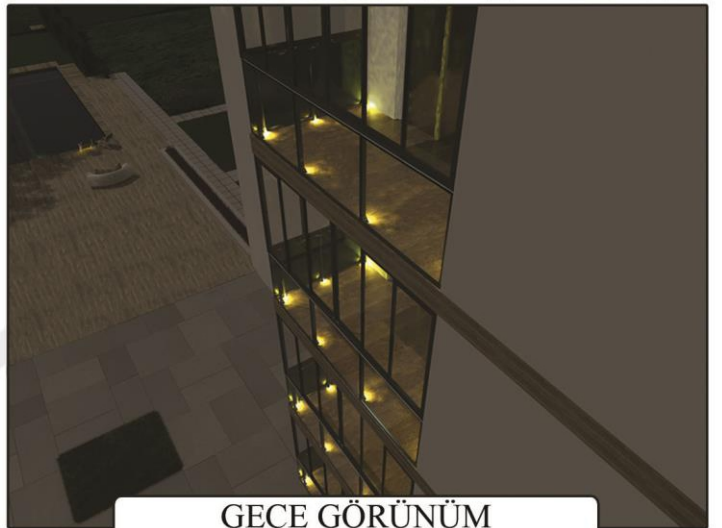
PENCERE ÖNÜ HAREKETLİ GÜNEŞ KIRICI



ISICAMLI KORKUK ÜZERİNE  
ISICAMLI SÜRME



PENCERE ÖNÜ HAREKETLİ GÜNEŞ KIRICI



GECE GÖRÜNÜM  
LED IŞIKLI

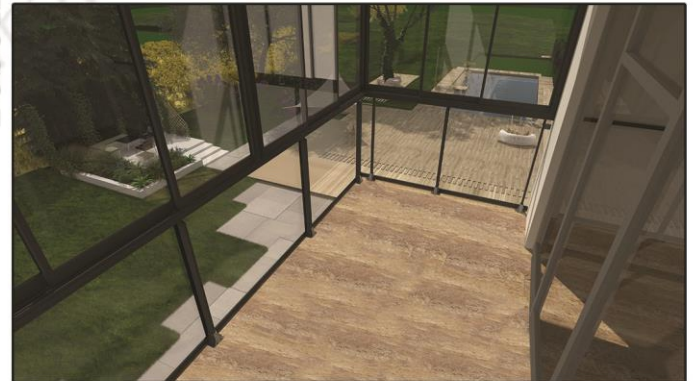
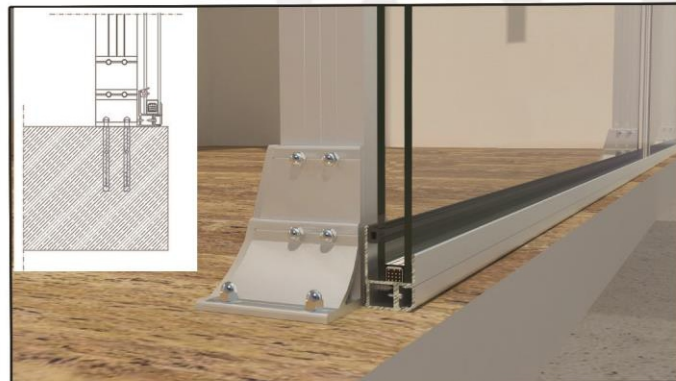
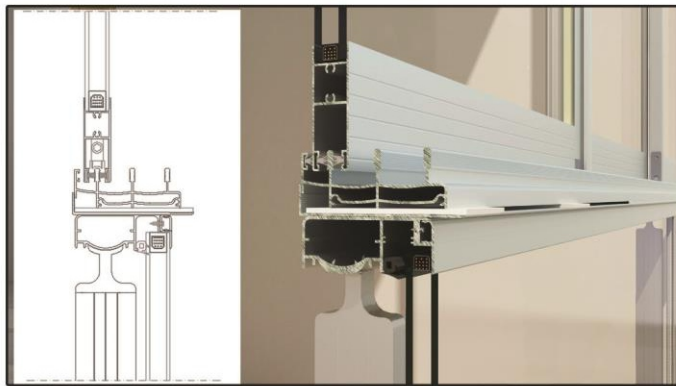
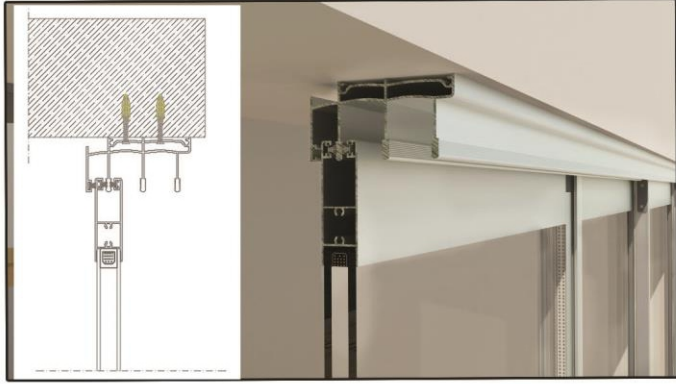


ISICAMLI KORKUK ÜZERİNE  
ISICAMLI SÜRME



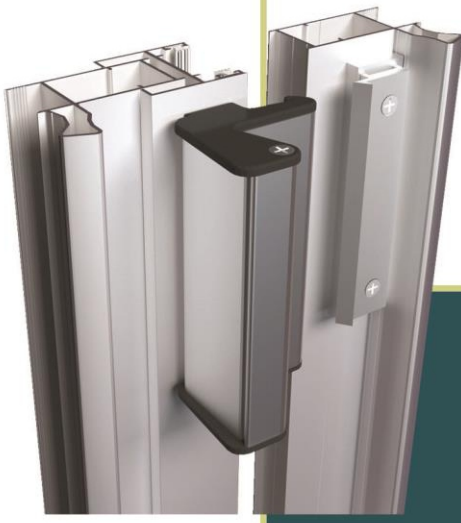
# ISICAMLI VE DÜZ CAMLI KÜPEŞTE ÜZERİNE UYGULANABİLEN SÜRME SİSTEMİ

**YENİ SİSTEM**



2017 / 09413 Numara İle TPE nezdinde PATENT  
Tescilli ile Korunmaktadır.

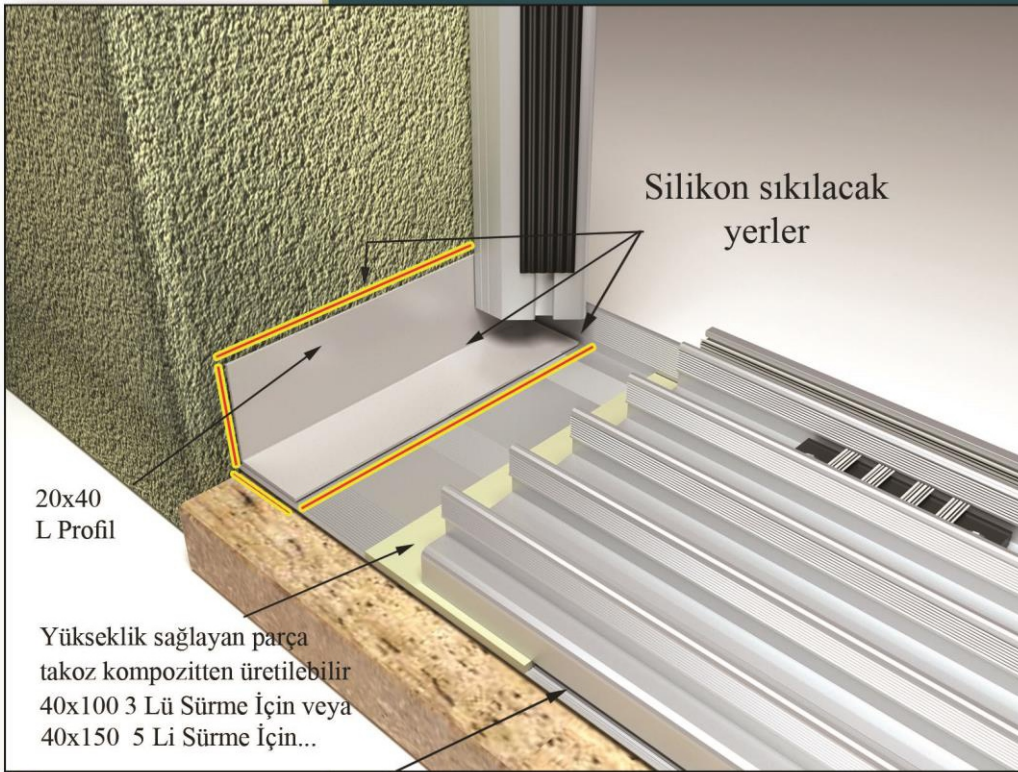




İçten Kilitlemeli Orta  
Birleşim Detayı



İçten Kilitlemeli Köşe  
Birleşim Detayı



Yan Dikmesiz Uygulamalarda Su Tahliye Detayı



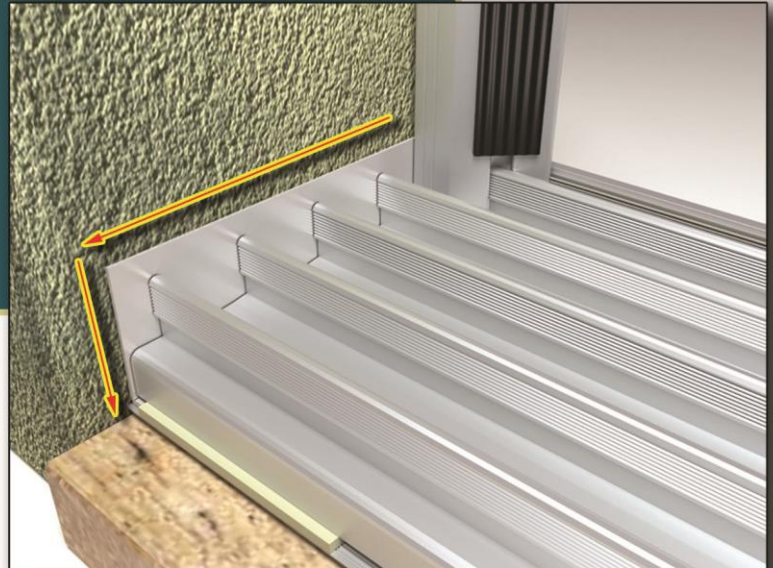
20x40 L Profil

5 Lü Sürme sistem için 150mm  
3 Lü Sürme sistem için 100mm  
L profil kesilecek

Su Tahliyesini Sağlayan 4 mm Boşluk



Dıştan ve İçten Kilitleme Orta Detay

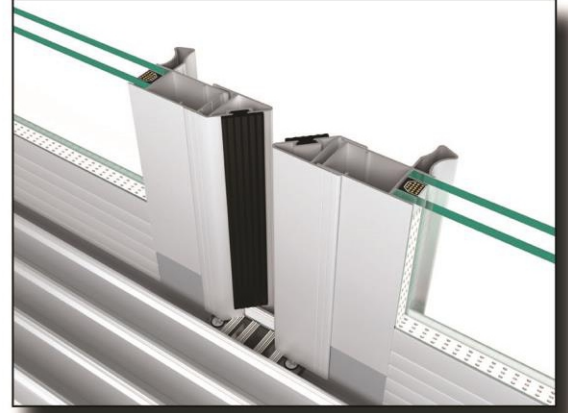


Dikmesiz Duvar Bitmiş Detayı

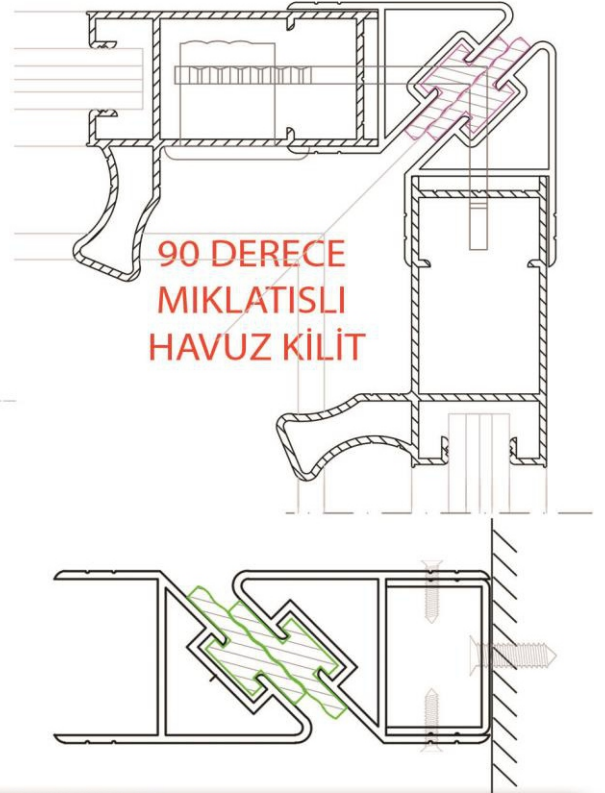


# Cam Balkona Uygun Mıknatıslı Kilitleme Sistemi

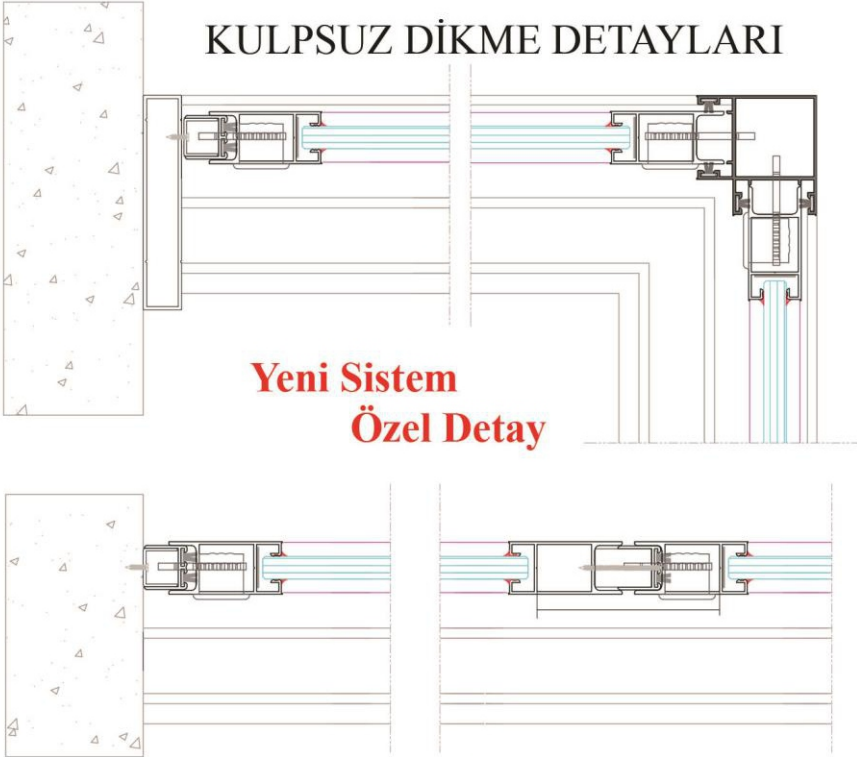
90 Dereceli Mıknatıs  
Kilitlemeli Dönüş Detayı



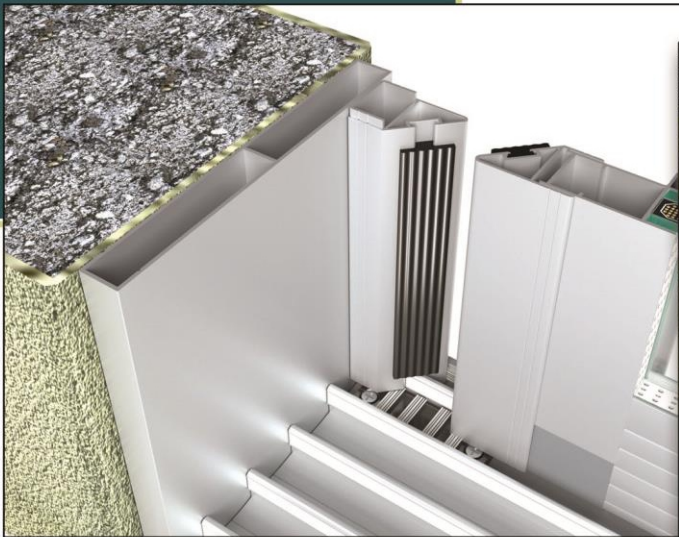
Düz Mıknatıs Kilitlemeli Orta  
Birleşim Detayı



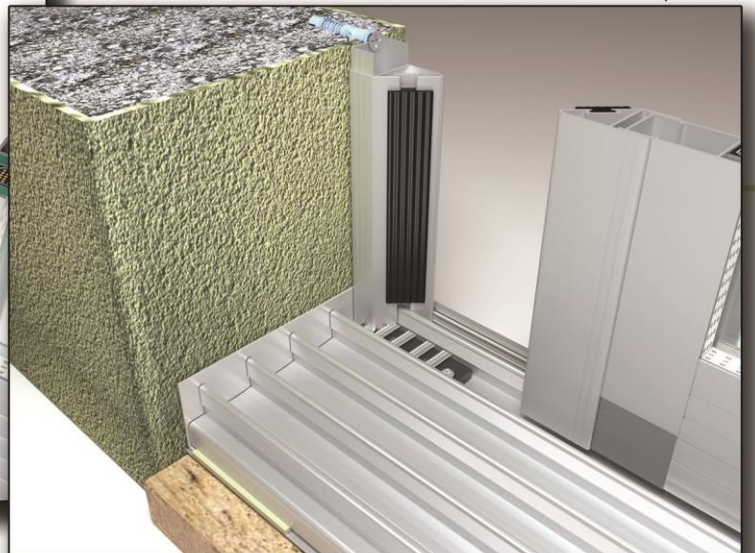
KULPSUZ DİKME DETAYLARI



Yeni Sistem  
Özel Detay

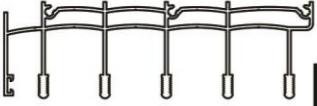
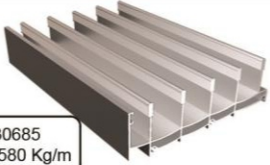
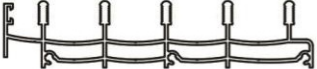
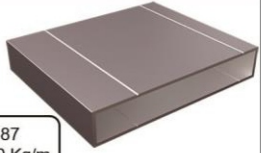
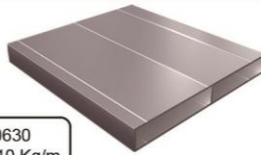
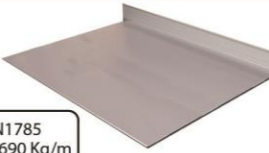
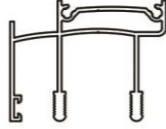
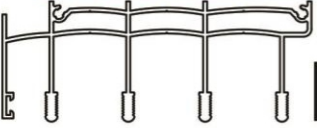
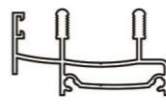
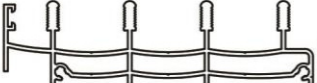
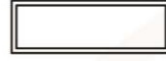
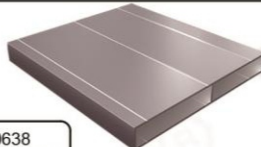
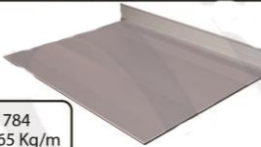
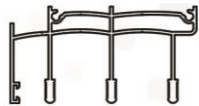
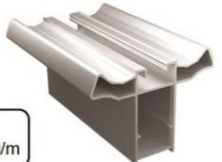
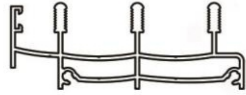
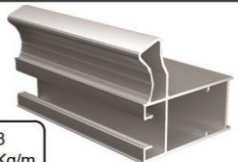


Yan Dikmeli Duvar Mıknatıs  
Kilitlemeli Detayı

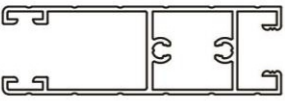
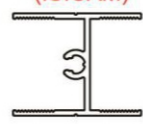
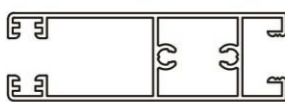
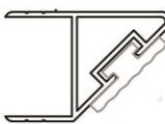
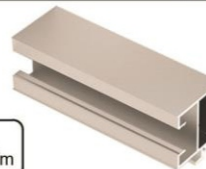
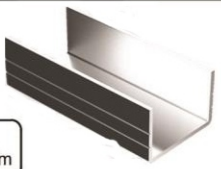
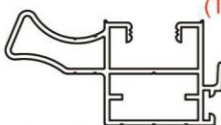
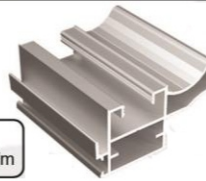
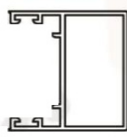
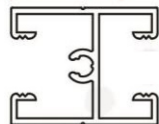
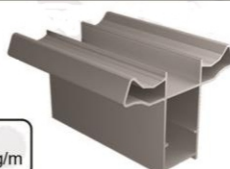
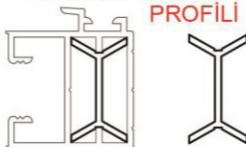
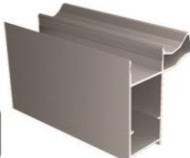
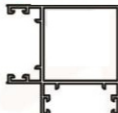
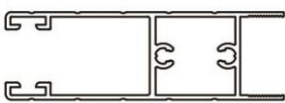
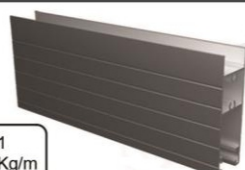
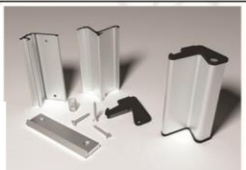
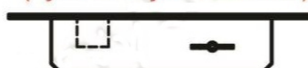
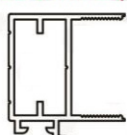
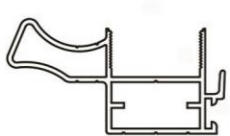
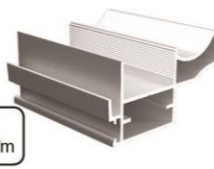


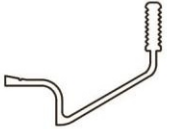
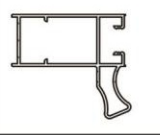
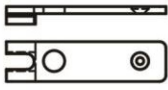
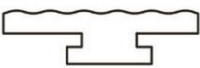
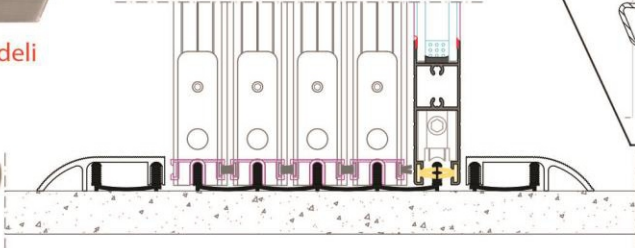
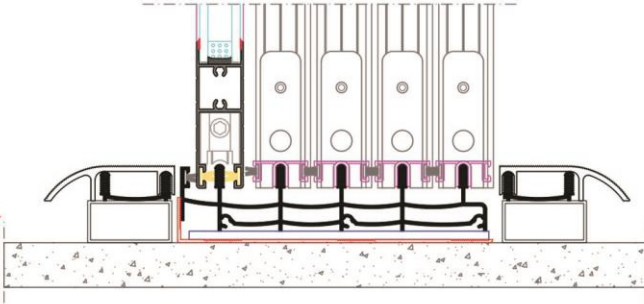
Yan Dikmesiz Duvar Mıknatıs  
Kilitlemeli Detayı



|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BEŞLİ SİSTEM ÜST RAY</b><br><br><br>Profil No: 530685<br>Ağırlık: 2,580 Kg/m                                  | <b>ÜÇLÜ SİSTEM ZEMİN PROFİLİ (EŞİKSİZ)</b><br><br><br>Profil No: 580627<br>Ağırlık: 0,620 Kg/m                |
| <b>BEŞLİ SİSTEM ALT RAY</b><br><br><br>Profil No: 490629<br>Ağırlık: 2,250 Kg/m                                 | <b>ÜÇLÜ SİSTEM YAN DİKME</b><br><br><br>Profil No: 540687<br>Ağırlık: 0,890 Kg/m                             |
| <b>BEŞLİ SİSTEM ZEMİN PROFİLİ (EŞİKSİZ)</b><br><br><br>Profil No: 580628<br>Ağırlık: 1,110 Kg/m                | <b>SU TAHLİYE DENİZLİĞİ (100 lük 3'LÜ SÜRMEYE GÖRE)</b><br><br><br>Profil No: 1006129<br>Ağırlık: 0,500 Kg/m |
| <b>BEŞLİ SİSTEM YAN DİKME</b><br><br><br>Profil No: 490630<br>Ağırlık: 1,410 Kg/m                              | <b>YÜRÜME RAMPASI</b><br><br><br>Profil No: 580629<br>Ağırlık: 1,640 Kg/m                                    |
| <b>SU TAHLİYE DENİZLİĞİ (150 lük 5'Lİ SÜRMEYE GÖRE)</b><br><br><br>Profil No: TN1785<br>Ağırlık: 0,690 Kg/m    | <b>İKİLİ SİSTEM ÜST RAY</b><br><br><br>Profil No: 700634<br>Ağırlık: 1,107 Kg/m                             |
| <b>DÖRTLÜ SİSTEM ÜST RAY</b><br><br><br>Profil No: 700629<br>Ağırlık: 2,080 Kg/m                            | <b>İKİLİ SİSTEM ALT RAY</b><br><br><br>Profil No: 700635<br>Ağırlık: 0,939 Kg/m                          |
| <b>DÖRTLÜ SİSTEM ALT RAY</b><br><br><br>Profil No: 700628<br>Ağırlık: 1,791 Kg/m                            | <b>20X60 İKİLİ YAN DİKME</b><br><br><br>Profil No: 1069<br>Ağırlık: 0,750                                |
| <b>DÖRTLÜ SİSTEM YAN DİKME</b><br><br><br>Profil No: 700638<br>Ağırlık: 1,168 Kg/m                          | <b>BİRLİ SİSTEM ÜST RAY</b><br><br><br>Profil No: 700636<br>Ağırlık: 0,706 Kg/m                           |
| <b>SU TAHLİYE DENİZLİĞİ (120 lük 4'LÜ SÜRMEYE GÖRE)</b><br><br><br>Profil No: TN1784<br>Ağırlık: 0,565 Kg/m | <b>BİRLİ SİSTEM ALT RAY</b><br><br><br>Profil No: 700637<br>Ağırlık: 0,591 Kg/m                           |
| <b>ÜÇLÜ SİSTEM ÜST RAY</b><br><br><br>Profil No: 540684<br>Ağırlık: 1,591 Kg/m                             | <b>ÇİFT KULPLU DİKME (TEK CAM)</b><br><br><br>Profil No: 590675<br>Ağırlık: 0,880 Kg/m                   |
| <b>ÜÇLÜ SİSTEM ALT RAY</b><br><br><br>Profil No: 540685<br>Ağırlık: 1,370 Kg/m                             | <b>TEK KULPLU DİKME (TEK CAM)</b><br><br><br>Profil No: 490628<br>Ağırlık: 0,700 Kg/m                    |



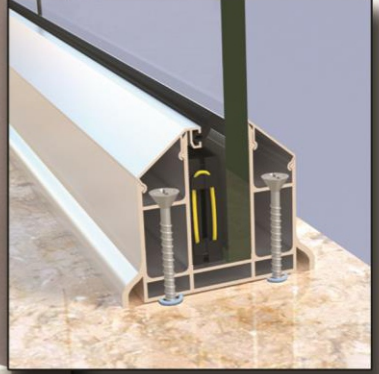
|                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ALT ETEK (TEK CAM)</b></p>  <p>Profil No: 530682<br/>Ağırlık: 0,780 Kg/m</p>                     | <p><b>KAROLAJLI ORTA KAYIT (ISICAM)</b></p>  <p>Profil No: 580649<br/>Ağırlık: 0,260 Kg/m</p>                            |
| <p><b>ÜST BAZA (TEK CAM)</b></p>  <p>Profil No: 490626<br/>Ağırlık: 0,800 Kg/m</p>                    | <p><b>MIKNATIS YUVASI</b></p>  <p>Profil No: 650697<br/>Ağırlık: 0,388 Kg/m</p>                                         |
| <p><b>KULPSUZ DİKME (TEK CAM)</b></p>  <p>Profil No: 490627<br/>Ağırlık: 0,410 Kg/m</p>              | <p><b>U PROFİL - MIKNATIS YUVASI<br/>DİREKT DUVARA KULLANILIR</b></p>  <p>Profil No: 570689<br/>Ağırlık: 0,160 Kg/m</p>  |
| <p><b>KULPLU TAKVİYELİ DİKME (TEK CAM)</b></p>  <p>Profil No: 640638<br/>Ağırlık: 0,588 Kg/m</p>     | <p><b>YAN DİKME U SU</b></p>  <p>Profil No: 540673<br/>Ağırlık: 0,560 Kg/m</p>                                          |
| <p><b>KAROLAJLI ORTA KAYIT (TEK CAM)</b></p>  <p>Profil No: 540689<br/>Ağırlık: 0,370 Kg/m</p>       | <p><b>KANAL KAPATMA ADAPTÖRÜ</b></p>  <p>Profil No: 540688<br/>Ağırlık: 0,250 Kg/m</p>                                  |
| <p><b>ÇİFT KULPLU DİKME (ISICAM)</b></p>  <p>Profil No: 590676<br/>Ağırlık: 0,820 Kg/m</p>       | <p><b>DİRENÇ ARTIRICI TAKVİYE<br/>PROFİLİ</b></p>  <p>Profil No: 590673<br/>Ağırlık: 0,120 Kg/m</p>                 |
| <p><b>TEK KULPLU DİKME (ISICAM)</b></p>  <p>Profil No: 580630<br/>Ağırlık: 0,640 Kg/m</p>        | <p><b>90 DERECE DÖNÜŞ PROFİLİ</b></p>  <p>Profil No: 650696<br/>Ağırlık: 0,864 Kg/m</p>                             |
| <p><b>ALT ETEK (ISICAM)</b></p>  <p>Profil No: 580631<br/>Ağırlık: 0,720 Kg/m</p>                 | <p><b>KOL SÜRME SERİLER İÇİN<br/>( İçten Kilitlemeli )</b></p>                                                      |
| <p><b>ÜST BAZA (ISICAM)</b></p>  <p>Profil No: 580632<br/>Ağırlık: 0,750 Kg/m</p>                 | <p><b>SÜRME (HORUZ TİPİ) KİLİT<br/>( İçten ve Dıştan Kilitlemeli )</b></p>                                          |
| <p><b>KULPSUZ DİKME (ISICAM)</b></p>  <p>Profil No: 540686<br/>Ağırlık: 0,350 Kg/m</p>           | <p><b>SÜRME TEKER<br/>Özel Yapım</b></p>   <p><b>2 YIL GARANTİLİ</b></p>                                            |
| <p><b>KULPLU TAKVİYELİ DİKME (ISICAM)</b></p>  <p>Profil No: 640639<br/>Ağırlık: 0,533 Kg/m</p>  | <p><b>SIZDIRMAZLIK CONTASI<br/>( SU VE TOZ )</b></p>                                                                |

|                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>SİNEKLİK RAY PROFİLİ</b></p>  <p>Profil No: 740625<br/>Ağırlık: 0,220</p>                                              | <p><b>SİNEKLİK TEKERİ</b></p>                                                                                                                                                                                                                                                                    |
| <p><b>SÜRME SİNEKLİK PROFİLİ</b></p>  <p>Profil No: 1206173<br/>Ağırlık: 0,450</p>                                           | <p><b>SÜRME KULP TAKOZ PLASTİĞİ SAĞ ve SOL</b></p>                                                                                                                                                                                                                                                |
| <p><b>SÜRME RAY KAPAĞI</b></p>                                                                                               | <p><b>SÜRME KULP TAPASI SAĞ ve SOL</b></p>                                                                                                                                                                                                                                                        |
| <p><b>PANÇ İLE DELİNİMİŞ GÜNEŞ KIRICI KASA PROFİLİ</b> 3 mt. Boylar Halinde</p>  <p>Profil No: 650698<br/>Ağırlık: 0,162</p> | <p><b>KİL FİTİL FİNLİ YATAY PROFİLLER İÇİN (1100)</b></p>  <p><b>PLASTİK VİDA TIPASI</b></p>  <p><b>ISI CAM TAKOZU</b></p>  |
| <p><b>GÜNEŞKIRICI PROFİLİ</b><br/>1 m2'ye 29 adet güneş kırıcı kullanılır.</p>  <p>Profil No: 650699<br/>Ağırlık: 0,190</p>  | <p><b>KULPSUZ ORTA BİRLEŞİM PROFİLİ</b></p> <p><b>ISICAM</b> Profil No: 0060<br/>Ağırlık: 0,497 Kg/m</p> <p><b>TEK CAM</b> Profil No: 750692<br/>Ağırlık: 0,554 Kg/m</p> <p><b>KULPSUZ ORTA BİRLEŞİM APARATI</b> Profil No: 750691<br/>Ağırlık: 0,203 Kg/m</p>                                                                                                                     |
| <p><b>MİKNATIS FİTİL</b></p>                                                                                               | <p><b>(130 x 50) KOMPOZİT PARÇASI (5 Lİ SÜRMELER İÇİN)</b></p> <p><b>(120 x 50) KOMPOZİT PARÇASI (4 LÜ SÜRMELER İÇİN)</b></p> <p><b>(95 x 50) KOMPOZİT PARÇASI (3 LÜ SÜRMELER İÇİN)</b></p>                                                                                                   |
| <p><b>HAVUZ KİLİT</b></p>                                                                                                  | <p><b>90 DERECE MİKNATISLI HAVUZ KİLİT</b></p>                                                                                                                                                                                                                                                 |
| <p><b>Alüminyum Gövdeli Paslanmaz Teker</b><br/>1 Kanat 4 rulman 2 teker Taşıma kapasitesi :160 kg</p>  <p>15 cm</p>       | <p><b>Sık Kullanılan Sürme Kanatlarında Rayların Aşınmasına ve Tekerlerin Yıpranmasına Karşı Sistemi Korumaya Amaçlı Kapak Uygulamaları</b></p>                                                                                                                                                |
| <p><b>Alüminyum Gövdeli Paslanmaz Teker</b><br/>1 Kanat 8 rulman 4 teker Taşıma kapasitesi : 320 kg</p>  <p>30 cm</p>       |                                                                                                                                                                                                                                                                                                |

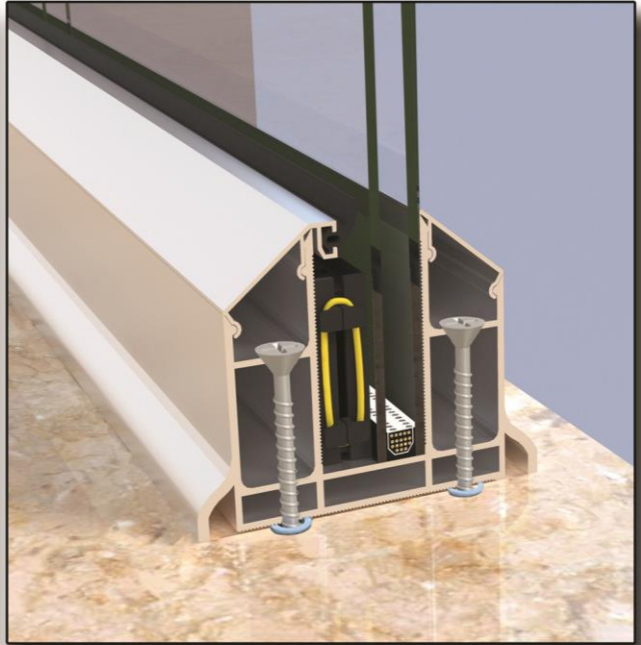


# Cam Balkon Uygulamalı Sistemler

YÜKSEK KATLARDA DIŞ TARAFTAN CAM SİLMEYE UYGUN



ISICAM VE DÜZ CAM KÜPEŞTE KORKULUK  
ISICAMLI VE DÜZ CAMLI KÜPEŞTE ÜZERİNE UYGULANABİLEN  
SÜRME SİSTEMİ



**Merkez:** Firuzköy Mahallesi Hasan Önal Caddesi  
No:83 / B Firuzköy - Avcılar / İSTANBUL  
Tel: +90 212 509 61 70 Fax: +90 212 909 35 68

[info@lineglas.com](mailto:info@lineglas.com) - [www.lineglas.com](http://www.lineglas.com)

 **LineGlass**