

INSULA 85

PROFİL KATALOĞU
PROFILE CATALOG

ERSAŞ PEN

İçindekiler
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ERSAŞ PEN HAKKINDA

Ersaş Pen, yaşam alanlarını sadece koruyan değil, onları daha konforlu, estetik ve sürdürülebilir kılan çözümler üretir.

Her profilde, yalnızca PVC değil; akıl, mühendislik ve yılların tecrübesi vardır. Çünkü bizce bir pencere, sadece dış dünyayla bağlantı değil, aynı zamanda yaşam kalitesinin sınırıdır.

Ersaş Pen sistemleri, insana ve doğaya saygılı üretim anlayışıyla, kurşunsuz ve geri dönüştürülebilir malzemelerden üretilir.

Sürdürülebilirlik, bizim için bir hedef değil, üretimin temelidir.

Bu anlayışla, çevreyle uyumlu ve enerji verimliliği yüksek sistemler geliştirir; geleceği bugünden koruruz.

Ersaş Pen, güvenin, estetiğin ve dayanıklılığın ortak adıdır.
Hayatın her alanında konforu akılla buluşturan bir tercih.



ABOUT ERSAŞ PEN

Ersaş Pen develops solutions that not only protect living spaces but also make them more comfortable, aesthetic, and sustainable.

Behind every profile lies not only PVC, but also intelligence, engineering precision, and years of expertise.

Because for us, a window is more than just a connection to the outside world; it defines the boundaries of living quality.

Produced with respect for people and nature, Ersaş Pen systems are manufactured from lead-free, fully recyclable PVC compounds in line with European environmental standards.

For us, sustainability is not a goal, it is the foundation of production itself.
With this approach, we design eco-friendly, energy-efficient window and door systems that help protect the future today.

Ersaş Pen stands for trust, aesthetics, and durability, a smart choice that unites comfort and intelligence in every aspect of life.



ÜSTÜN KONFOR VE YALITIMIN ADI

Ersaş Pen'in yüksek performanslı PVC sistemi Insula 85, 3 contalı yapısı sayesinde ısı ve su yalıtımında üst düzey koruma sağlar.

7 odacıklı, A sınıfı profilleriyle enerji verimliliğini artırırken dış gürültüyü azaltır.

Sağlam konstrüksiyonu uzun ömürlü kullanım sunarken, zarif tasarımıyla modern yapılara estetik bir bütünlük kazandırır.

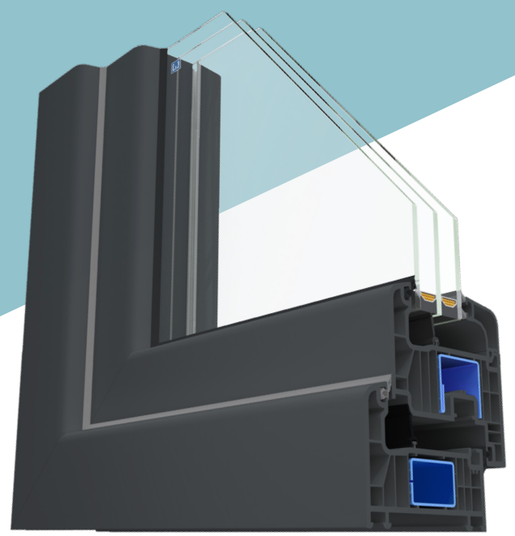
THE NAME FOR HIGH PERFORMANCE, PREMIUM DESIGN

Ersaş Pen's high-performance PVC system, Insula 85, provides top-level protection against heat and water thanks to its triple-seal structure. With its 7-chamber, Class A profiles, it increases energy efficiency while reducing external noise.

Insula 85 Our Premium System:
Top-level protection with high air permeability and water tightness, achieved by a triple-gasket system.

Its robust construction ensures long-lasting use, while its elegant design adds aesthetic integrity to modern buildings.

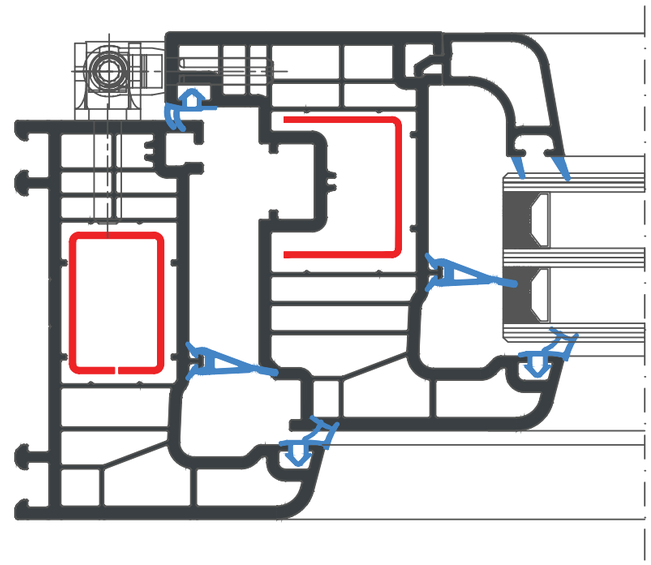




Ersaş Pen premium ürünleri üstün ısı yalıtımı sayesinde yazın serin, kışın sıcak bir ortam sunar. Güçlendirilmiş kanat yapısı ve kaliteli malzemesi ile uzun ömürlü ve güvenli kullanım sağlar. Minimal ve modern tasarımıyla evinize estetik bir dokunuş katar.

Ersaş Pen premium products provide a cool environment in summer and a warm environment in winter thanks to their superior thermal insulation. With their reinforced wing structure and high-quality materials, they ensure long-lasting and safe use. Their minimalist and modern design adds an aesthetic touch to your home.

INSULA 85
Kapı ve Pencere Sistemleri



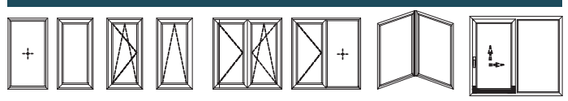
TEKNİK ÖZELLİKLER	
Profil genişliği	85 mm
Et kalınlığı	A sınıfı
Odacık sayısı	7 odacıklı sistem
Isı iletim katsayısı Uf	0,767 W/m²K
Cam kalınlıkları	20-24-30-36-44-52 mm
Conta tipi / rengi	TPE siyah / gri

PERFORMANS ÖZELLİKLERİ	
TS EN 12207 Hava geçirgenliği	Sınıf 4
TS EN 12208 Su sızdırmazlığı	Sınıf E 1200
TS EN 12210 Rüzgar yükü dayanımı	Sınıf C5

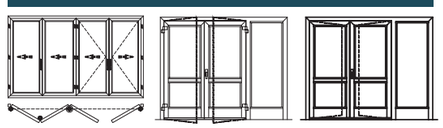
TECHNICAL PROPERTIES	
Profil width	85 mm
Wall thickness	A class
Number of chambers	7 chambers system
UF value	0,767 W/m²K
Glass thickness	20-24-30-36-44-52 mm
Gasket model / color	TPE black / grey

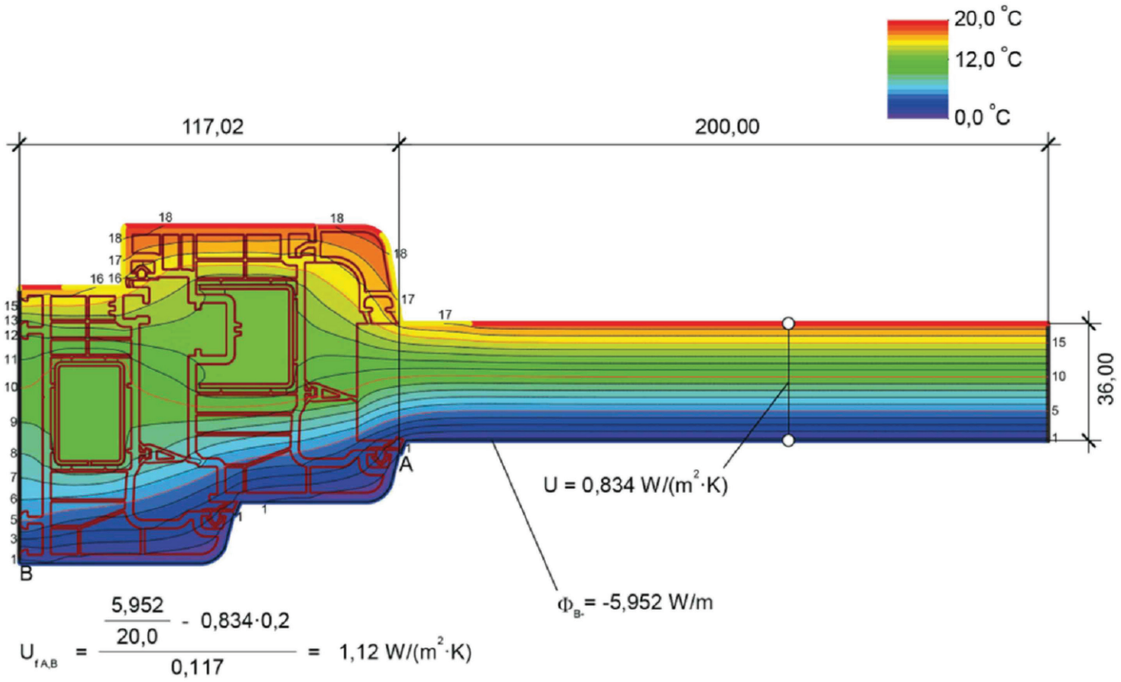
PERFORMANCE PROPERTIES	
TS EN 12207 Air Permability	Class 4
TS EN 12208 Water tightness	Class E 1200
TS EN 12210 Resistance to wind load	Class C5

TİPOLOJİLER / TYPOLOGIES



KAPILAR / DOORS





$$U_{f\,A,B} = \frac{\frac{5{,}952}{20{,}0} - 0{,}834 \cdot 0{,}2}{0{,}117} = 1{,}12\ W/(m^2 \cdot K)$$

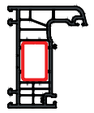
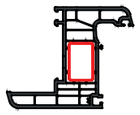
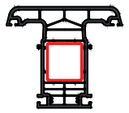
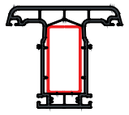
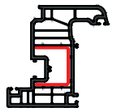
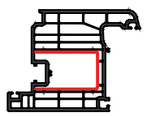
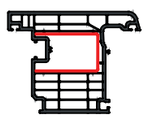
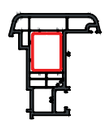


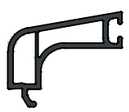
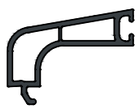
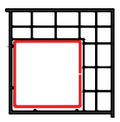
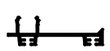
Material	λ[W/(m·K)]
EPDM (ethylene propylene diene monomer)	0,250
PVC (polyvinylchloride), rigid	0,170
Panel	0,035
Steel	50,000
Unventilated air cavity *	

* EN ISO 10077-2:2017, 6.4.3/anisotrop

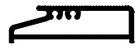
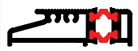
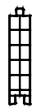
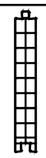
Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal (1)		0,000	0,040	
Interior, frame, normal		20,000	0,130	
Interior, frame, reduced		20,000	0,200	
Symmetry/Model section	0,000			

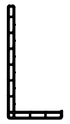
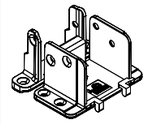
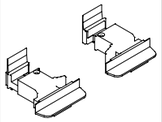
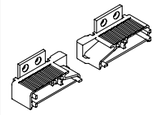
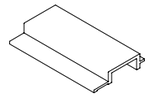
PROFİLLER
PROFILES

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
IN-110		**Kasa Profili** *Frame Profile*
IN-120		**Pervazlı Kasa Profili** *Frame Profile with Arcihtrave*
IN-210		**Orta Kayıt Profili** *Mullion Profile*
IN-211		**Statik Orta Kayıt Profili** *Static Mullion Profile*
IN-310		**Kanat Profili** *Sash Profile*
IN-350		**Damlalıklı Kanat Profili** *Sash Profile with Drip*
IN-320		**Kapı Profili** *Door Profile*
IN-340		**Dışa Açılır Kapı Profili** *Outward Opening Door Profile*
IN-220		**Hareketli Orta Kayıt Profili** *Movable Mullion Profile*

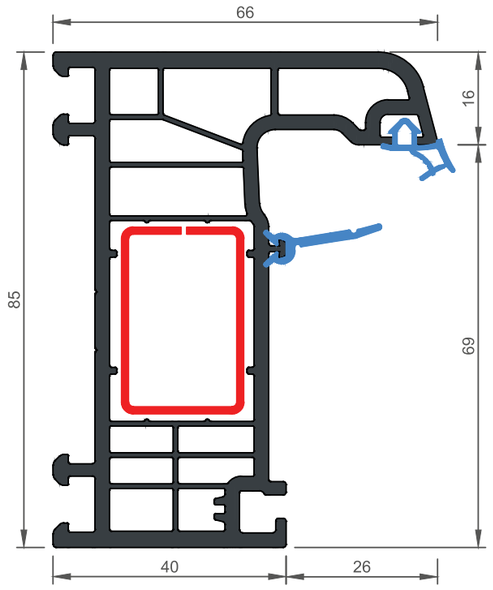
Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
IN-551		**52mm Cama Göre Çıta** *Glazing With 50mm Gap*
IN-521		**44mm Cama Göre Çıta** *Glazing With 44mm Gap*
IN-524		**36mm Cama Göre Çıta** *Glazing With 36mm Gap*
IN-531		**30mm Cama Göre Çıta** *Glazing With 30mm Gap*
IN-533		**24mm Cama Göre Çıta** *Glazing With 24mm Gap*
IN-541		**20mm Cama Göre Çıta** *Glazing With 20mm Gap*
IN-421		**Köşe Dönüş Profili** *Corner Adapter Profile*
IN-440		**Kasa Yükseltme Profili** *Frame Lifting Profile*
IN-460		**Eşik Kapama Profili** *Threshold Closing Profile*

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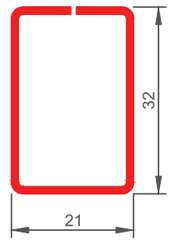
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IN-470		**Eşik Profili** *Threshold Profile*
IN-471		**Yalıtımlı Eşik Profili** *Insulated Threshold Profile*
AP-490		**Orta Kayıt Destek Profili** *Mullion Reinforcement Profile*
AP-463		**Destek Kapama Profili** *Interlock Reinforcement Closer Profile*
AP-432		**Kasa Destek Profili** *Frame Reinforcement Profile*
AP-431		**İnce Bağ Profili** *Thin Bond Profile*
AP-461		**100'lük 24mm Lambiri** *100' 24mm Panel*
AP-462		**150'lük 24mm Lambiri** *150' 24mm Panel*
AP-415		**Pervaz Yatağı Profili** *Architrave Locking Profile*

Profil Num. Profile No.	Çizim Drawing	Tanım Descpirtion
AP-412		**150'lik Pervaz Profili** *150' Architrave Profile*
AP-413		**100'lük Pervaz Profili** *100' Architrave Profile*
AP-414		**45'lik Pervaz Profili** *45' Architrave Profile*
YR-0501004		**Orta Kayıt Bağlantı Takozu** *Mullion Connector Block*
YR-0402001		**Hareketli Orta Kayıt Adaptör Kapakları** *Movable Mullion Adapter Covers*
YR-0403101		**Eşik Yan Kapakları** *Threshold Side Covers*
YR-0401001		**Orta Kayıt Bağlantı Takozu** *Mullion Connector Block*

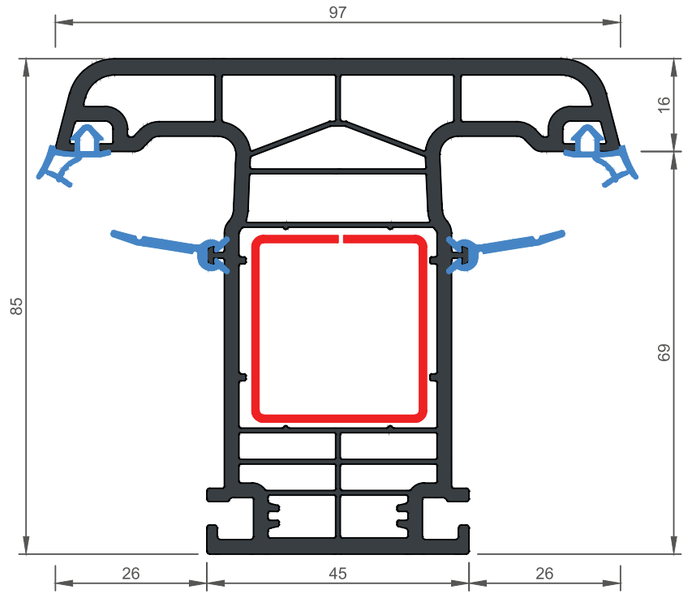
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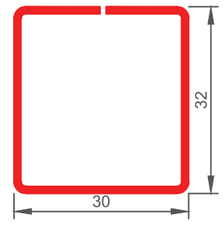
IN-110
Kasa Profili
Frame Profile



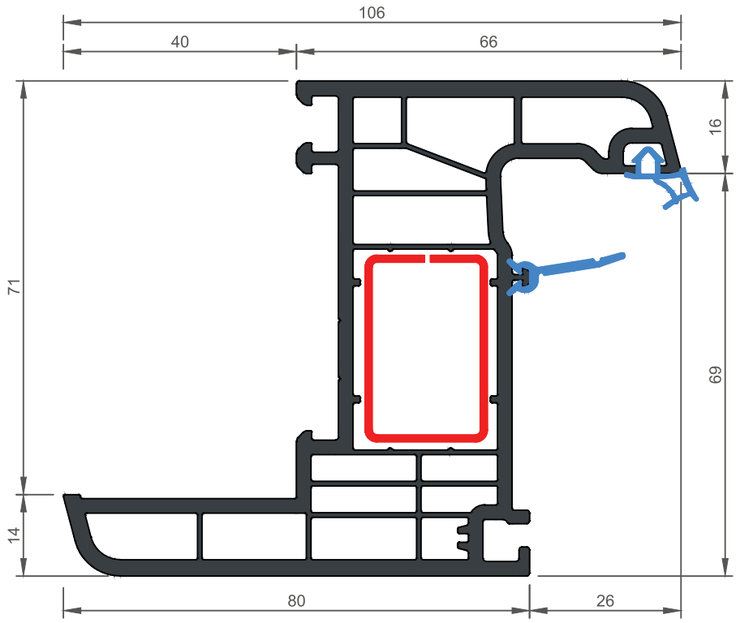
TM-0402024
Destek Sacı
Reinforcement Steel



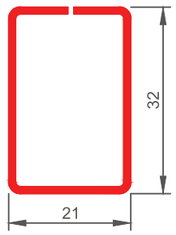
IN-210
Orta Kayıt Profili
Mullion Profile



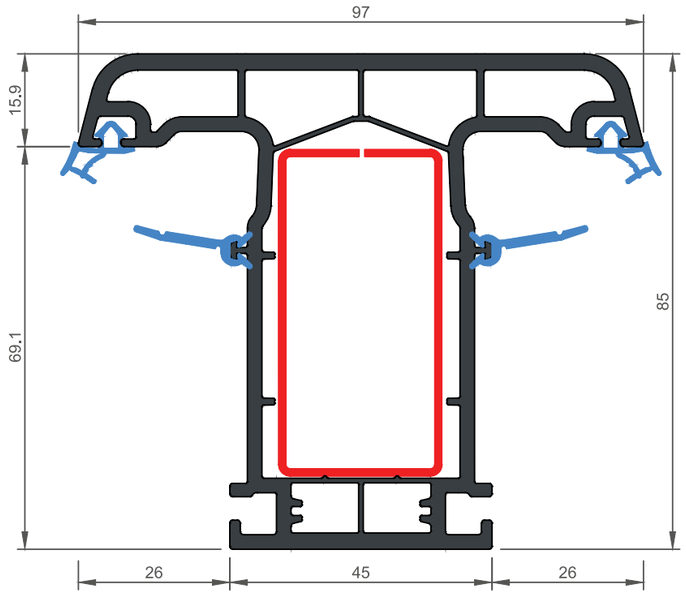
TM-0402023
Destek Sacı
Reinforcement Steel



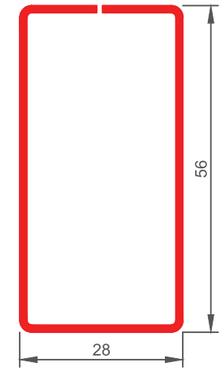
IN-120
Pervazlı Kasa Profili
Frame Profile with Arcihtrave



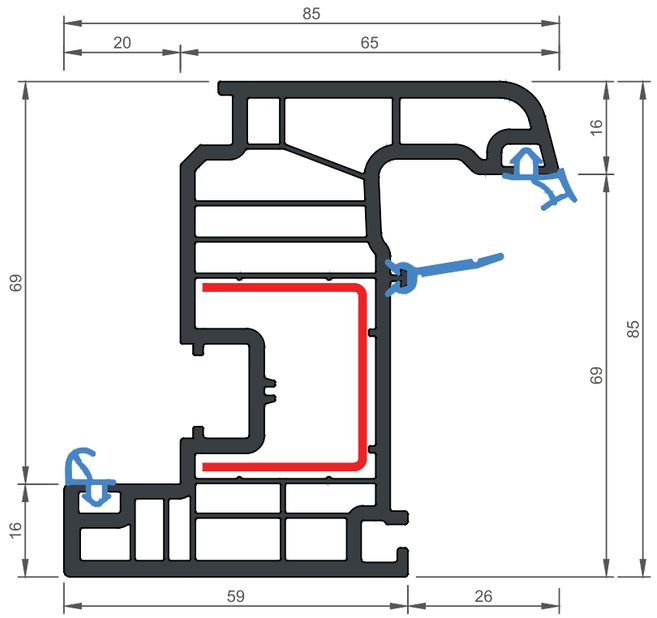
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Destek Sacı
Reinforcement Steel



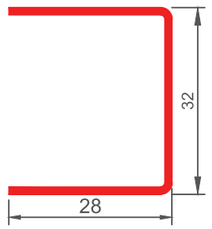
IN-211
Statik Orta Kayıt Profili
Static Mullion Profile



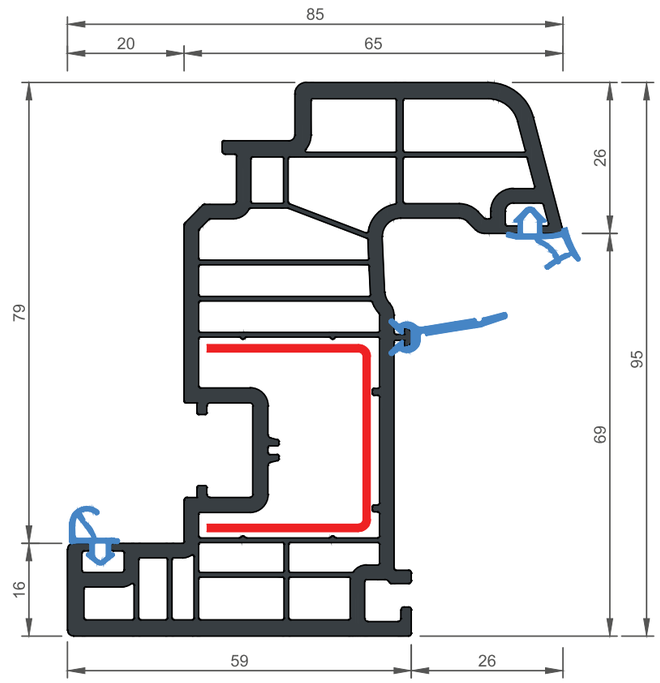
TM-0402037
Destek Sacı
Reinforcement Steel



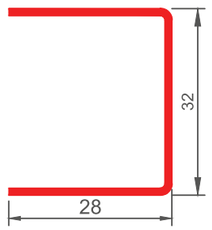
IN-310
Kanat Profili
Sash Profile



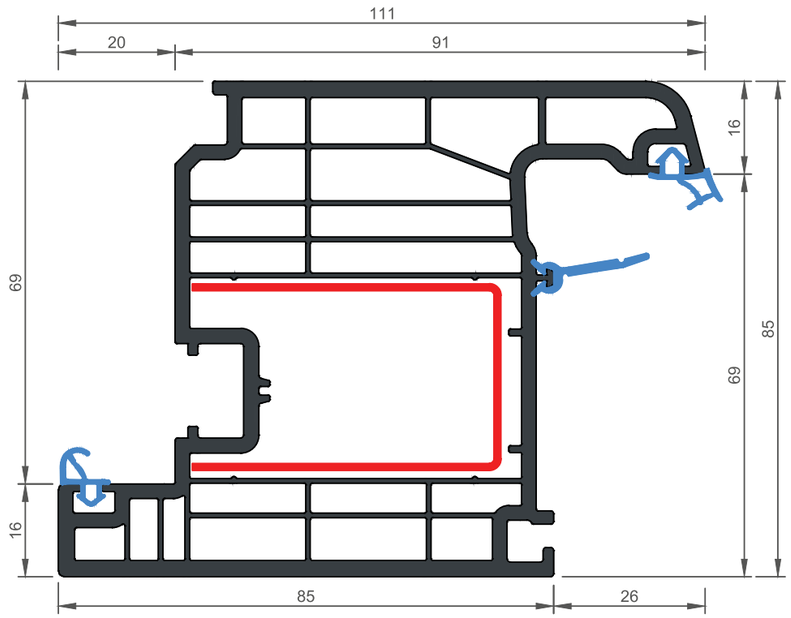
TM-0401016
Destek Sacı
Reinforcement Steel



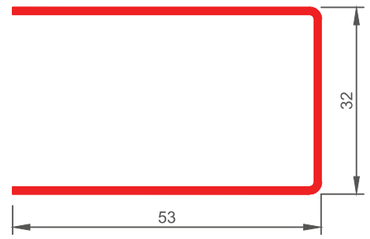
IN-350
Damlalıklı Kanat Profili
Sash Profile with Drip



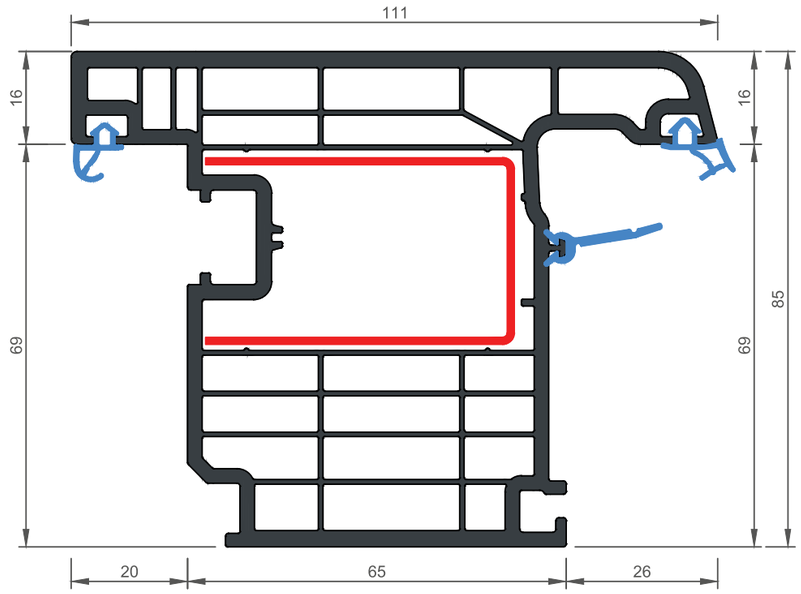
TM-0401016
Destek Sacı
Reinforcement Steel



IN-320
Kapı Profili
Door Profile



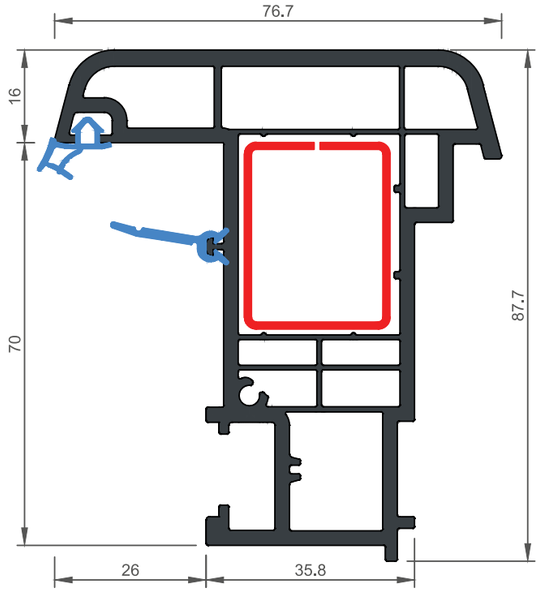
TM-0401017
Destek Sacı
Reinforcement Steel



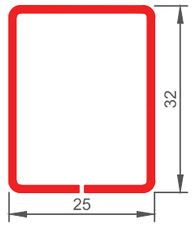
IN-340
Dışa Açılır Kapı Profili
Outward Opening Door Profile



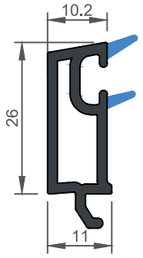
TM-0401017
Destek Sacı
Reinforcement Steel



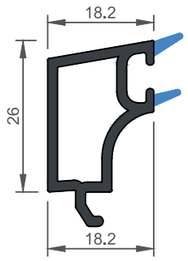
IN-220
Hareketli Orta Kayıt Profili
Movable Mullion Profile



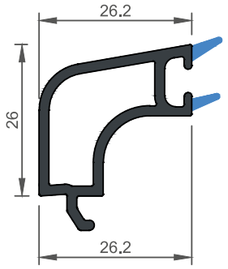
TM-0402025
Destek Sacı
Reinforcement Steel



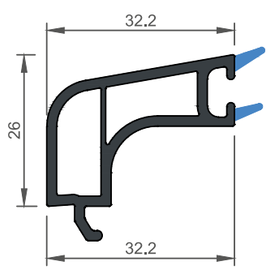
IN-551
52mm Cama Göre Çıta
Glazing With 52mm Gap



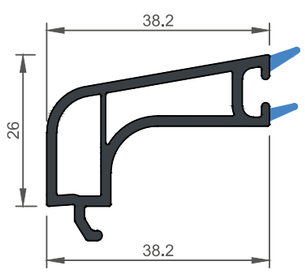
IN-521
44mm Cama Göre Çıta
Glazing With 44mm Gap



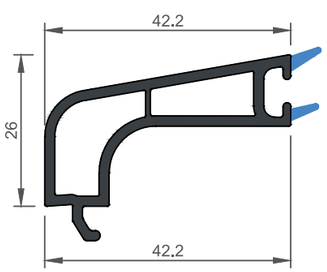
IN-524
36mm Cama Göre Çıta
Glazing With 36mm Gap



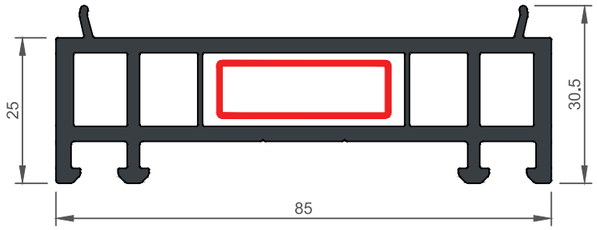
IN-531
30mm Cama Göre Çıta
Glazing With 30mm Gap



IN-533
24mm Cama Göre Çıta
Glazing With 24mm Gap



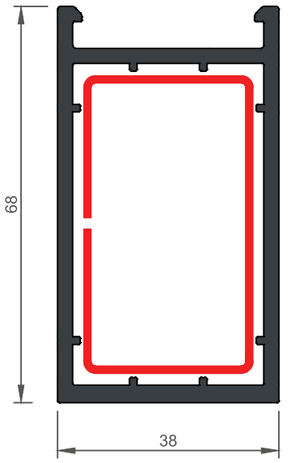
IN-541
20mm Cama Göre Çıta
Glazing With 20mm Gap



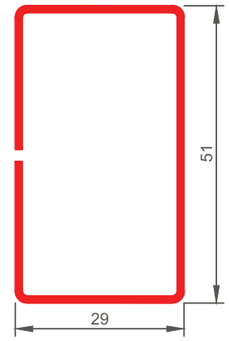
IN-440
Kasa Yükseltme Profili
Frame Lifting Profile



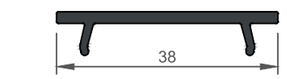
TM-0402036
Destek Sacı
Reinforcement Steel



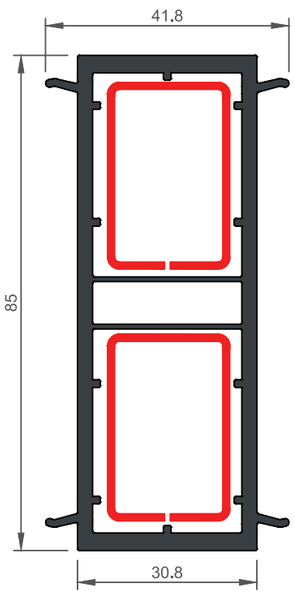
AP-490
Orta Kayıt Destek Profili
Mullion Reinforcement Profile



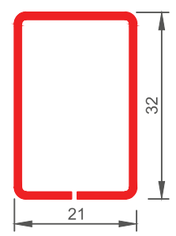
TM-0402027
Destek Sacı
Reinforcement Steel



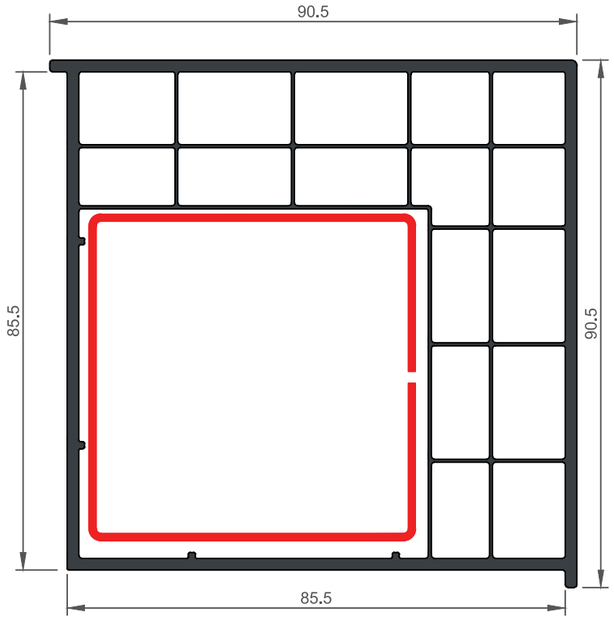
AP-463
Kenet Destek Kapama Profili
Interlock Reinforcement Closer Profile



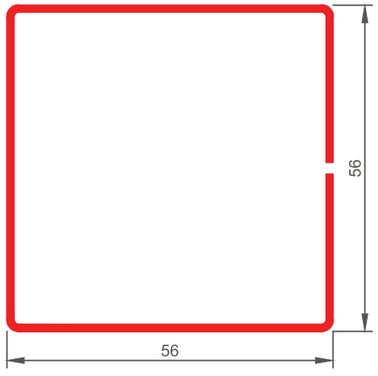
AP-432
Kasa Destek Profili
Frame Reinforcement Profile



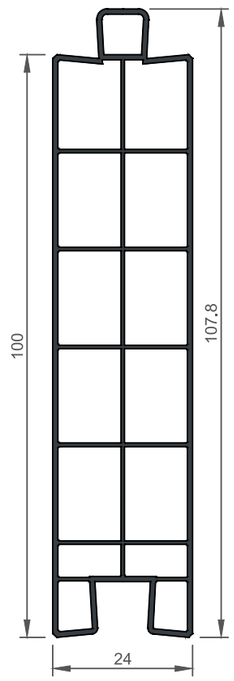
TM-0402024
Destek Sacı
Reinforcement Steel



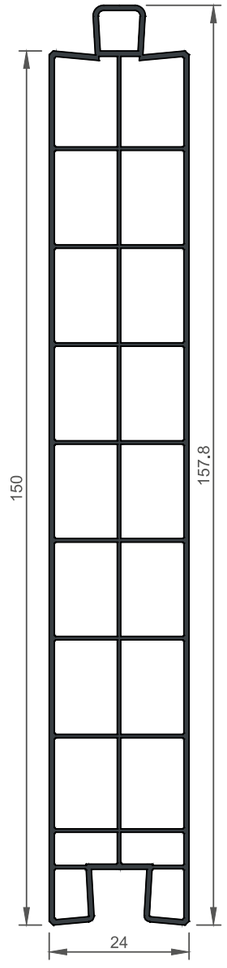
IN-421
Köşe Dönüş Profili
Corner Adapter Profile



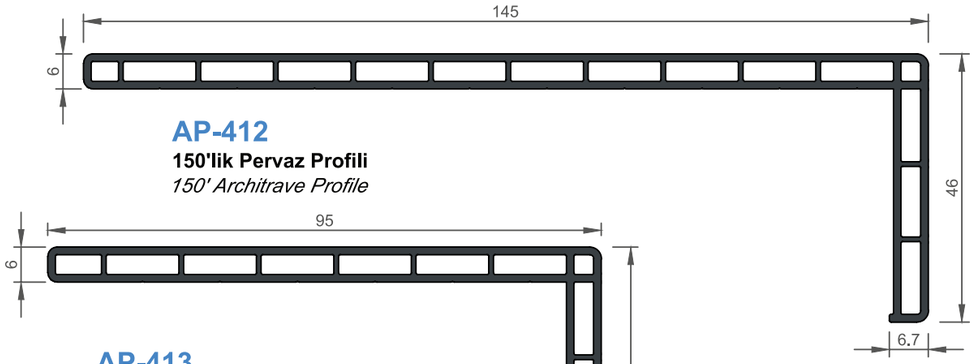
TM-0402026
Destek Sacı
Reinforcement Steel



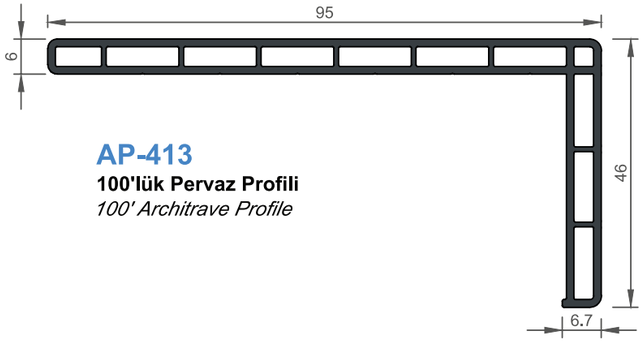
AP-461
100'lük 24mm Lambiri
100' 24mm Panel



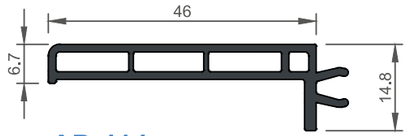
AP-462
150'lük 24mm Lambiri
150' 24mm Panel



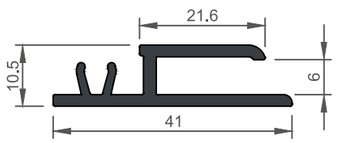
AP-412
150'lik Pervaz Profili
150' Architrave Profile



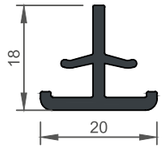
AP-413
100'lük Pervaz Profili
100' Architrave Profile



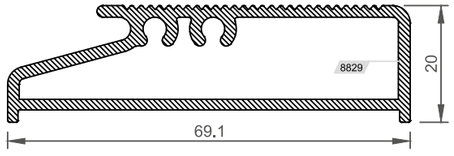
AP-414
45'lik Pervaz Profili
45' Architrave Profile



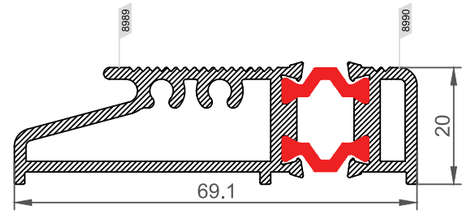
AP-415
Pervaz Yatağı Profili
Architrave Locking Profile



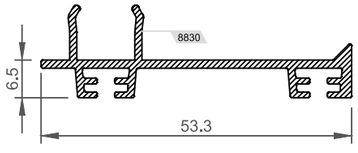
AP-431
İnce Bağ Profili
Thin Bond Profile



IN-470
Eşik Profili
Threshold Profile

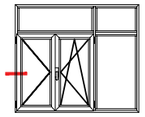


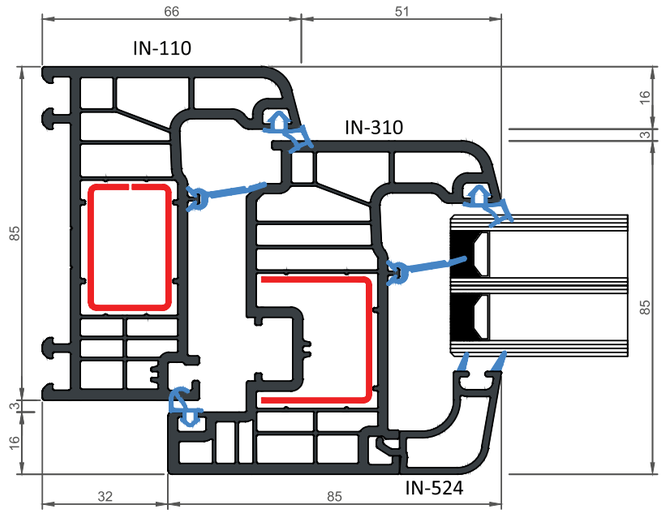
IN-471
Yaltımlı Eşik Profili
Insulated Threshold Profile

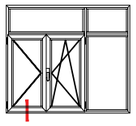


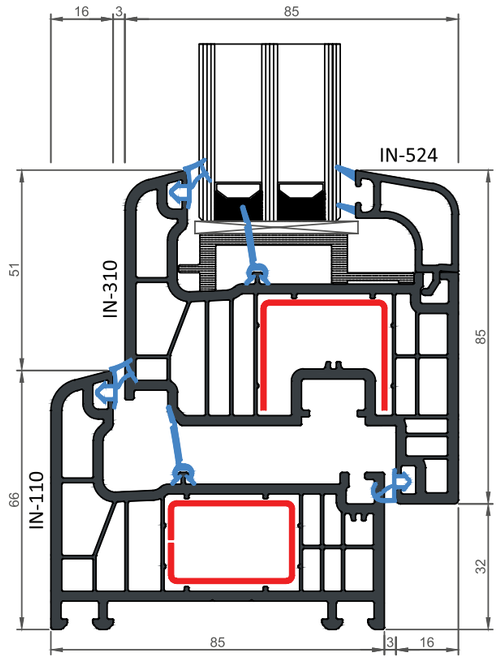
IN-460
Eşik Kapama Profili
Threshold Closing Profile

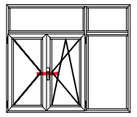
DETAYLAR
DETAILS

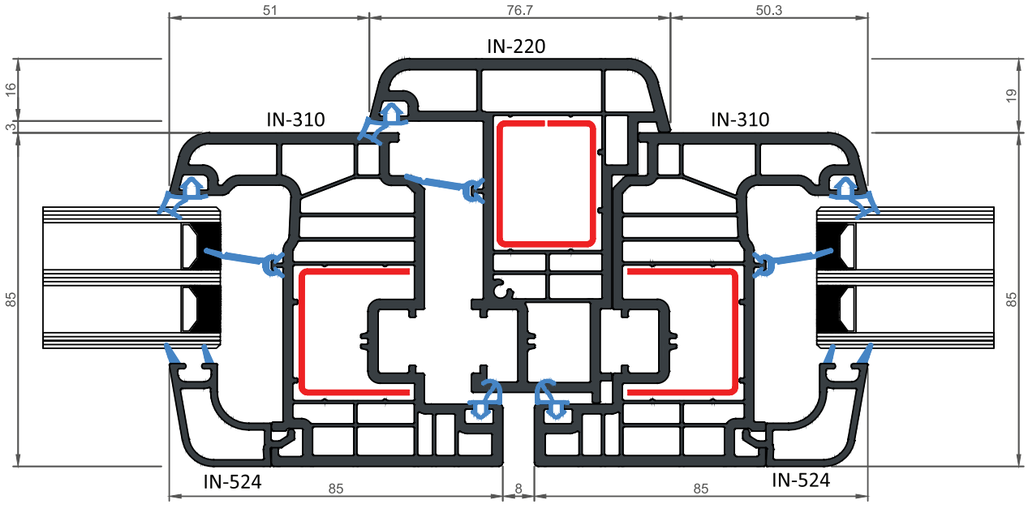


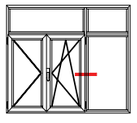

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IN-310
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IN-524

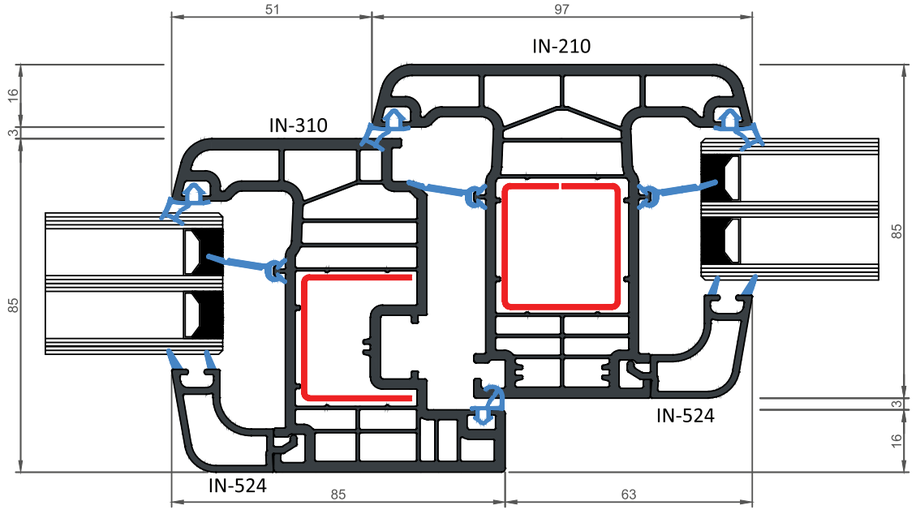


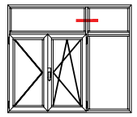

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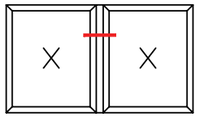



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IN-524

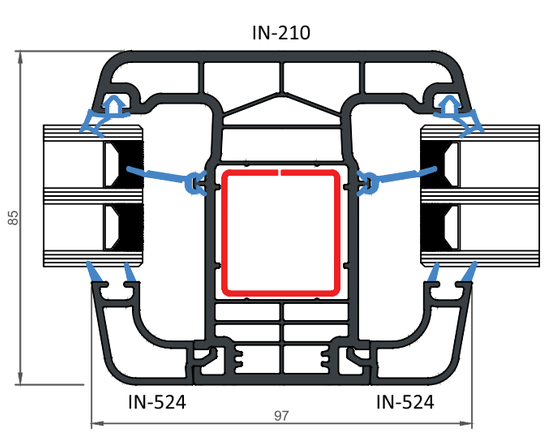


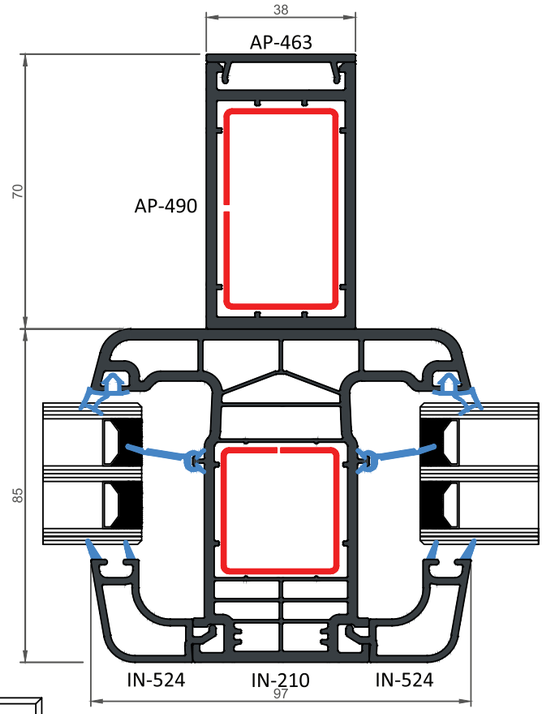

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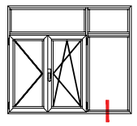


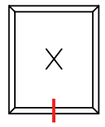


ORTA KAYIT DESTEK PROFİLİ DETAYI
MULLION REINFORCEMENT PROFILE DETAILS

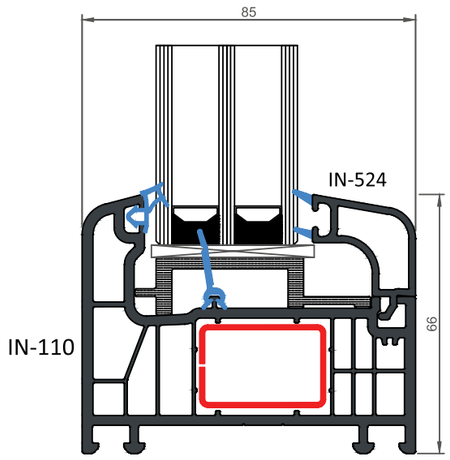


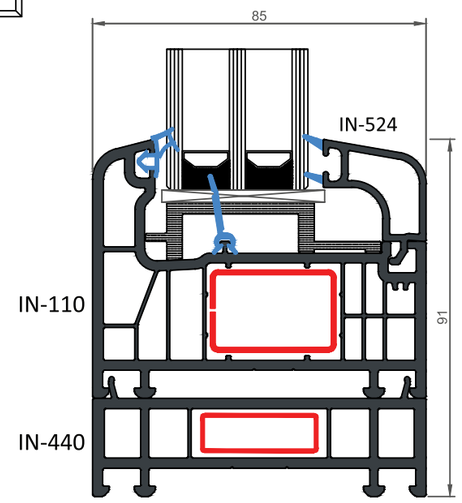


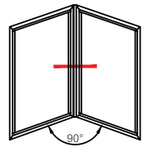


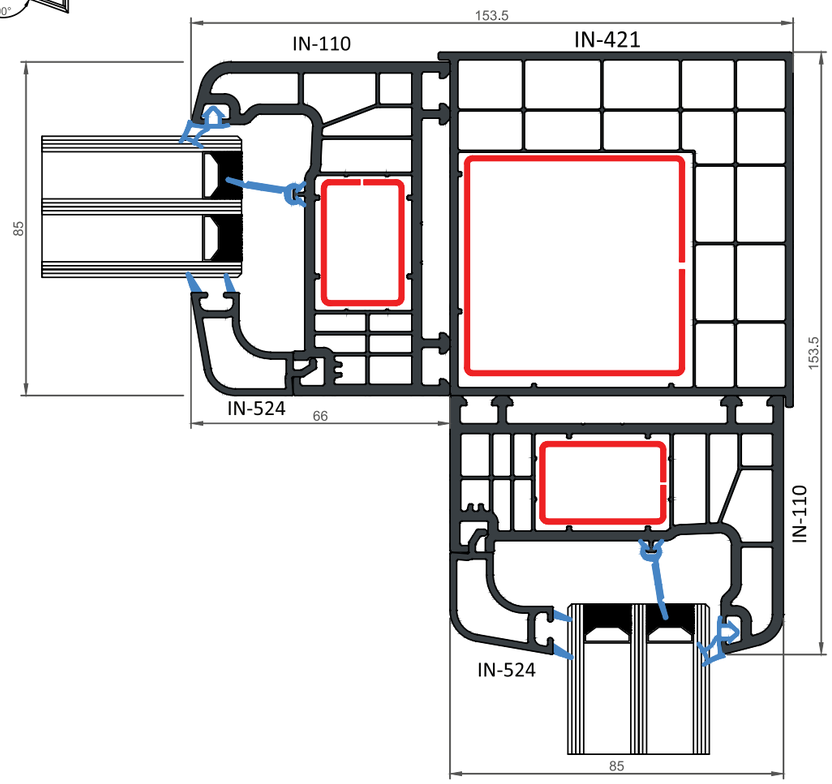


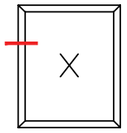
KASA YÜKSELTME PROFİLİ DETAYI
FRAME LIFTING PROFILE DETAILS



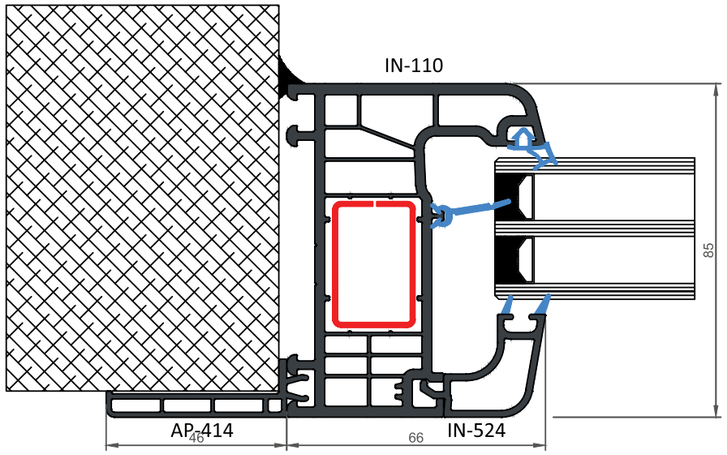


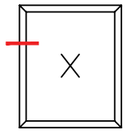




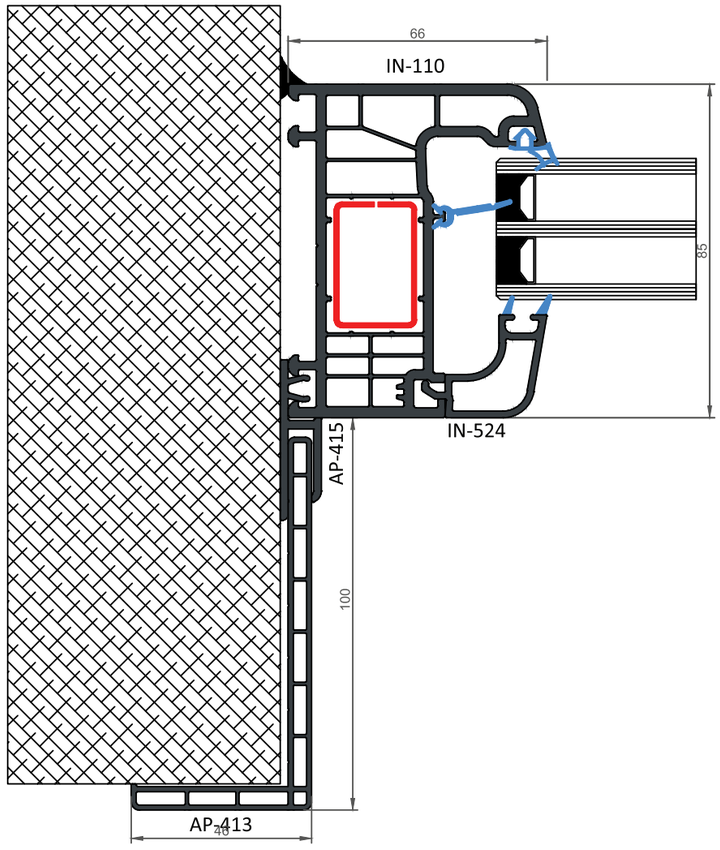


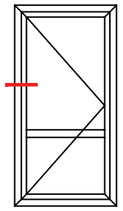
PERVAZ PROFİLİ DETAYI
ARCHITRAVE PROFILE DETAILS

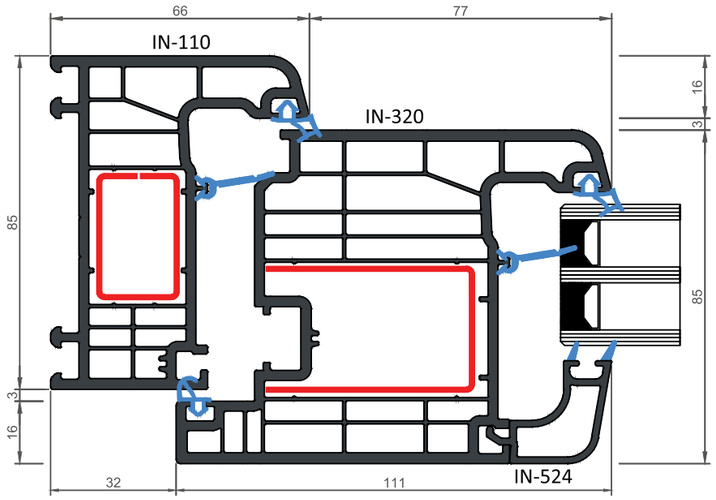


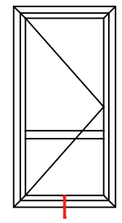


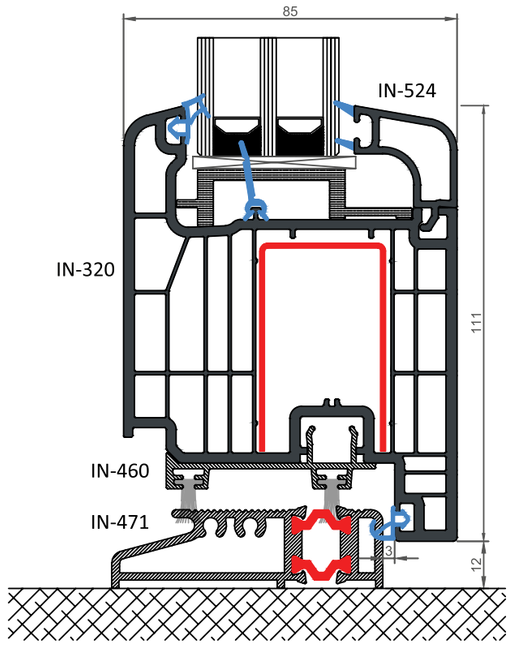
PERVAZ PROFİLİ DETAYI
ARCHITRAVE PROFILE DETAILS



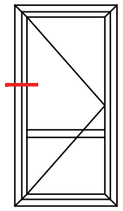


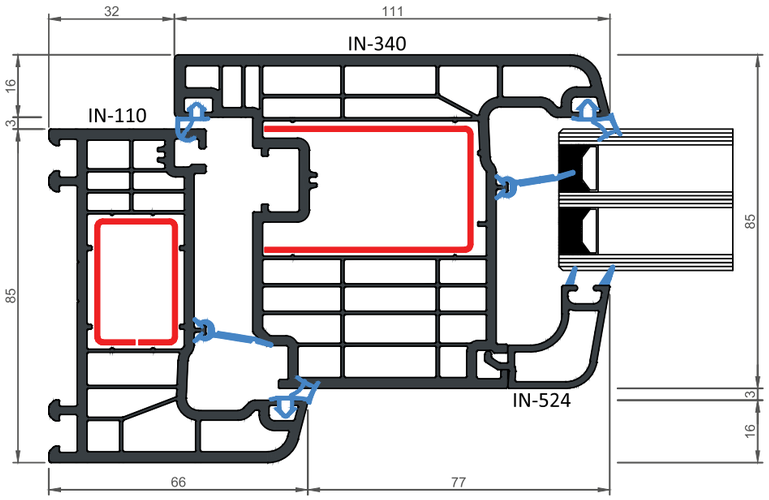


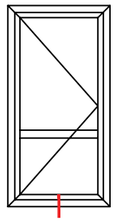


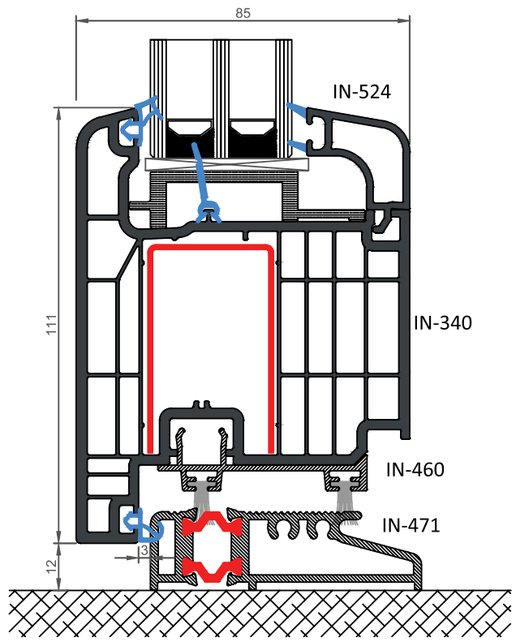


DIŞA AÇILIR KAPI DETAYLARI / OUTWARD OPENING DOOR DETAILS











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