



# SHEET METAL SLITTING LINE

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Coil cutting is the process of cutting raw material in coil form using specially designed machines. This process includes stages such as cleaning, straightening, and cutting the metal sheets. The coil cutting line is used for cutting metal sheets, and the metals are cleaned before the cutting process begins. In this process, heavy coil raw material is compressed into the machine's rollers using specially designed carts and cranes, and prepared for the cutting process.

One of the crucial stages in the coil sheet cutting process is the straightening and straightening of the sheet metal. These processes are critical for ensuring smooth and efficient cutting. Using a sheet metal straightening machine, the bent ends of the metal sheets are straightened, and tension relief devices are used to relieve the metal sheets. This prevents unwanted accidents during cutting. The coil sheet cutting method is an effective and efficient process for the production and processing of high-quality metals required by industry.

# ROLL SHEET METAL CUTTING

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- Sheet Thickness: 0.3mm-3mm
- Roll Width: 300mm-1600mm
- Maximum Roll Weight: 25 tons
- Maximum Package Weight: 10 tons
- Minimum Slit Band Width: 25 mm

# TRAPEZOÏDAL SHEET

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In roof and facade cladding systems, very different atmospheric conditions, durability, expectations, lifespan, performance and aesthetic effect are taken into consideration, and project-specific raw materials,

coating and paint options are offered.

Base Metal Standards:

Galvanized Coated Sheet Metal

Minimum thickness: 0.30 mm / Maximum thickness: 1.00 mm

Base steel grades and yield values:

DX51 — Adhering to standards and tolerances EN 10327 and EN 10346

S220 — Adhering to standards and tolerances EN 10326 and EN 10346

S320 — Adhering to standards and tolerances EN 10326 and EN 10346

S350 — Adhering to standards and tolerances EN 10326 and EN 10346

Galvanized Coating amounts: Z100, Z140, Z200, Z275 (The stated values are the total amount of zinc coated on one square meter of steel on both surfaces.)

Paint:

The base metal is painted with integrated coil-coating technology for higher corrosion resistance and a more aesthetic appearance.

Coil-coating is the process of preparing the surface of the metal coil suitable for painting, then painting it with liquid organic paint using rollers that come into contact with the metal surface, and curing the paint, all carried out on a continuous line. Painted Galvanized Steel Sheet:

Minimum thickness: 0.30 mm / Maximum thickness: 1,00 mm

Coil-Coated Painted Aluminum:

Minimum thickness: 0.30 mm / Maximum thickness: 1,00 mm

Standard Complied With: EN 10169

Colors:

RAL 9002, RAL 9010, RAL 9006, RAL3009, RAL3000, RAL5010, RAL 5015, RAL 5002, RAL6021, RAL6002, RAL6018.

Other color codes are available on a project-specific basis, depending on minimum order quantity and delivery time.

## Duvar C Profili

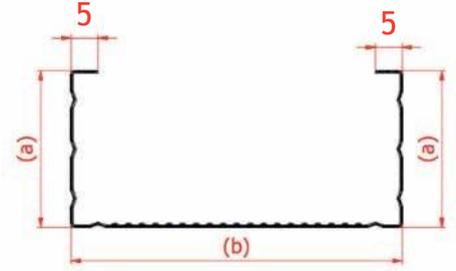
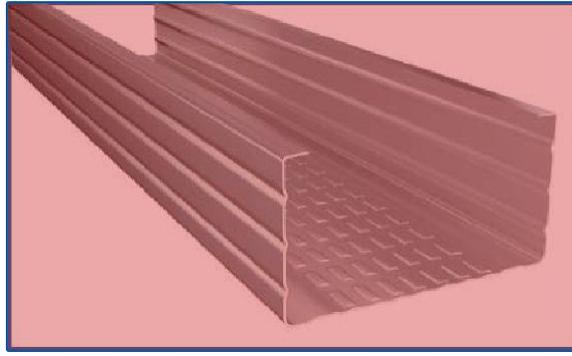
### C - Wall Profile

C – Duvar profilleri, profilin her iki tarafına alçıpan vidalanarak taşıyıcı olmayan bölme duvar konstrüksiyonu olarak kullanılmaktadır.

Bu profil şekli 3 farklı taban genişliğine (49mm – 74mm – 99mm), 3 farklı kenar uzunluğuna (30mm – 35mm – 40mm) ve 3 farklı malzeme kalınlığına (0,45mm – 0,5mm – 0,6mm) sahip olabilir.

Profiller 80-100 gr/m<sup>2</sup> aralığında galvaniz kaplıdır.

*C – Wall profiles are using for as a non-carrying partition wall construction by screwing drywall on the both side of profile. This profile shape can has 3 different base width (49mm – 74mm – 99mm), has 3 different side length (30mm – 35mm – 40mm) and has 3 different material thickness (0,45mm – 0,5mm – 0,6 mm). Profiles are covered by galvanized with the range between 80-100 gr/m<sup>2</sup>.*



Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Duvar C Eko / Wall C Eco (0,35 mm),(0,38 mm)	37x(50,75,100)x37	3	12
Duvar C Eko / Wall C Eco (0,35 mm),(0,38 mm)	37x(50,75,100)x37	3	12
Duvar C / Wall C (0,40 mm),(0,45 mm)	37x(50,75,100)x37	3	12
Duvar C / Wall C (0,40 mm),(0,45 mm)	37x(50,75,100)x37	3	12
Duvar C / Wall C (0,50 mm),(0,55 mm)	37x(50,75,100)x37	3	12
Duvar C / Wall C (0,50 mm),(0,55 mm)	37x(50,75,100)x37	3	12
Duvar C / Wall C (0,60 mm)	37x(50,75,100)x37	3	12

## Duvar U Profili

### U - Wall Profile

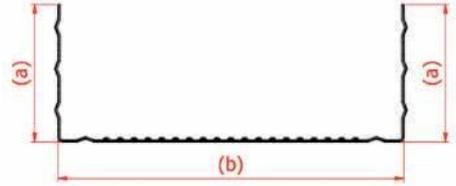
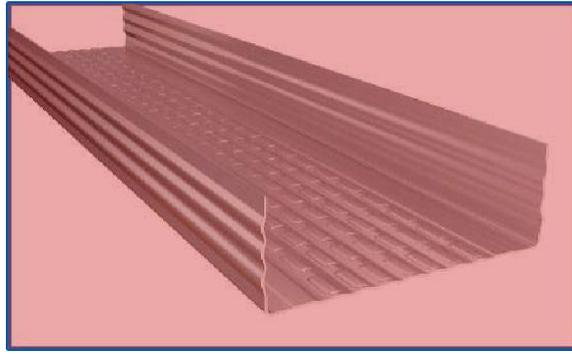
U – Duvar profilleri, profilin her iki tarafına alçıpan vidalanarak taşıyıcı olmayan bölme duvar yapımında kullanılır.

Bu profil şekli 3 farklı taban genişliğine (50mm – 75mm – 100mm) ve 3 farklı malzeme kalınlığına (0,45mm – 0,5mm – 0,6mm) sahip olabilir.

Profiller 80-100 gr/m<sup>2</sup> aralığında galvaniz kaplıdır.

*U – Wall profiles are using for as a non-carrying partition wall construction by screwing drywall on the both side of profile.*

*This profile shape can has 3 different base width (50mm – 75mm – 100mm) and has 3 different material thickness (0,45mm – 0,5mm – 0,6 mm). Profiles are covered by galvanized with the range between 80-100 gr/m<sup>2</sup>.*



Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Duvar U Eko / Wall U Eco (0,35 mm),(0,38 mm)	27x(50,75,100)x27	3	12
Duvar U Eko / Wall U Eco (0,35 mm),(0,38 mm)	27x(50,75,100)x27	3	12
Duvar U Eko / Wall U Eco (0,35 mm),(0,38 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,40 mm),(0,45 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,40 mm),(0,45 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,40 mm),(0,45 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,50 mm),(0,55 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,50 mm),(0,55 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,50 mm),(0,55 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,60 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,60 mm)	27x(50,75,100)x27	3	12
Duvar U / Wall U (0,60 mm)	27x(50,75,100)x27	3	12

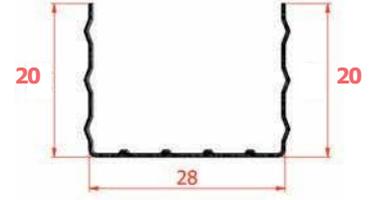
## Tavan U Profili

### U - Ceiling Profile

U-Tavan profilleri, profilin bir yüzüne alçıpan vidalanarak asma tavan ve giydirme cephe yapımında kullanılmaktadır.

Bu profil 0,40 mm ile 0,60 mm arasında malzeme kalınlığına sahip olabilir. Profiller 80-100 gr/m<sup>2</sup> aralığında galvaniz kaplıdır.

*U-Ceiling profiles are using for suspended ceiling and curtain wall construction by screwing drywall on one side of profile. This profile can has material thickness between 0,40 mm to 0,60 mm. Profiles are covered by galvanized with the range between 80-100 gr/m<sup>2</sup>.*



Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Tavan U Eko / Ceiling U Eco (0,30 mm - 0,40 mm)	22 x 28 x 22	3	24
Tavan U Eko / Ceiling U Eco (0,30 mm - 0,40 mm)	24 x 28 x 24	3	24
Tavan U Eko / Ceiling U Eco (0,30 mm - 0,40 mm)	27 x 28 x 27	3	24
Tavan U / Ceiling U (0,30 mm - 0,35 mm)	22 x 28 x 22	3	24
Tavan U / Ceiling U (0,38 mm - 0,40 mm)	22 x 28 x 22	3	24
Tavan U / Ceiling U (0,45 mm - 0,50 mm)	22 x 28 x 22	3	24
Tavan U / Ceiling U (0,55 mm - 0,60 mm)	22 x 28 x 22	3	24

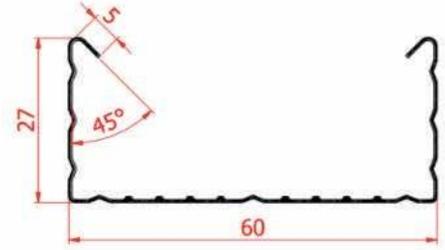
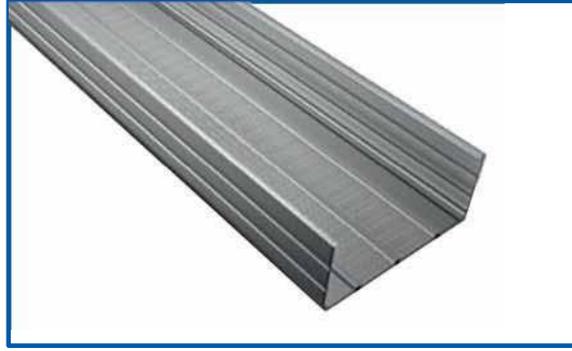
## Tavan C Profili

### C - Ceiling Profile

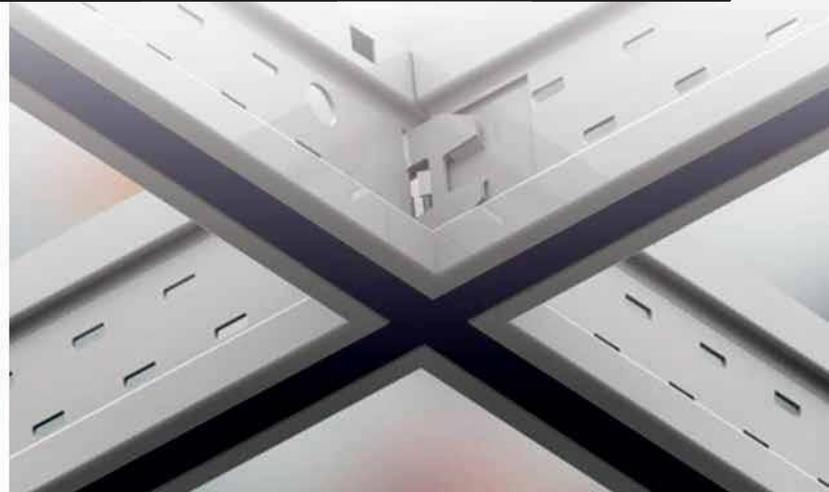
C-Tavan profilleri, profilin bir yüzüne alçıpan vidalanarak asma tavan ve giydirme cephe yapımında kullanılmaktadır.

Bu profil 0,40 mm ile 0,60 mm arasında malzeme kalınlığına sahip olabilir. Profiller 80-100 gr/m<sup>2</sup> aralığında galvaniz kaplıdır.

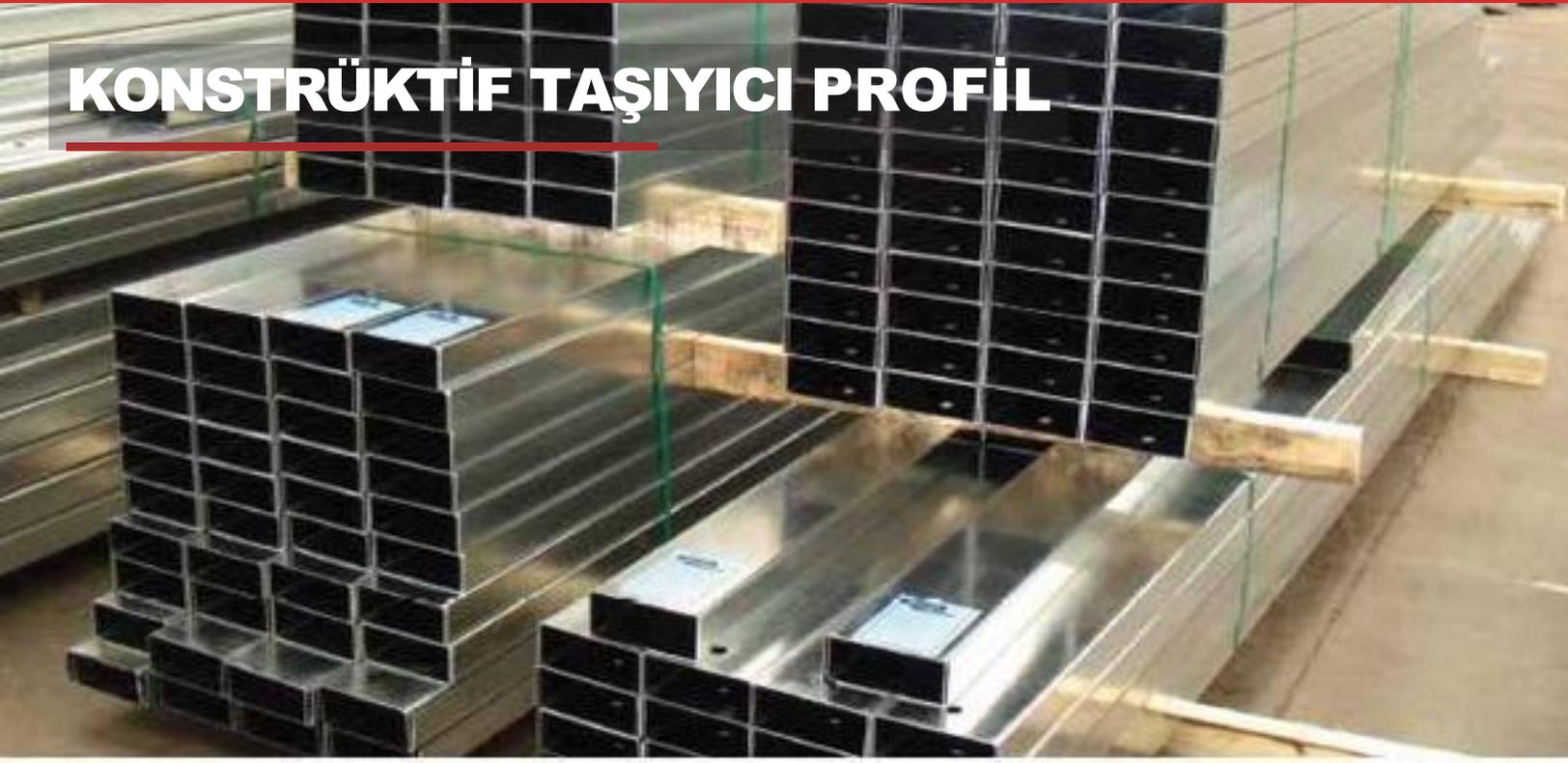
*C-Ceiling profiles are using for suspended ceiling and curtain wall construction by screwing drywall on one side of profile. This profile can has material thickness between 0,40 mm to 0,60 mm. Profiles are covered by galvanized with the range between 80-100 gr/m<sup>2</sup>.*



Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Tavan C Eko / Ceiling C Eco (0,30 mm - 0,40 mm)	27 x 60 x 27	3	12
Tavan C / Ceiling C (0,30 mm - 0,35 mm)	27 x 60 x 27	3	12
Tavan C / Ceiling C (0,38 mm - 0,40 mm)	27 x 60 x 27	3	12
Tavan C / Ceiling C (0,45 mm - 0,50 mm)	27 x 60 x 27	3	12
Tavan C / Ceiling C (0,55 mm - 0,60 mm)	27 x 60 x 27	3	12



# KONSTRÜKTİF TAŞIYICI PROFİL



Duvar KM -100

MALZEME KALINLIĞI	Üretilerilir Boylar (mm)	Ağırlık kg
98.8x40x1.50 mm	1500-16000	2.004
98.8x40x2.00 mm		2.672
98.8x40x2.50 mm		3.341



Duvar KM -125

MALZEME KALINLIĞI	Üretilerilir Boylar (mm)	Ağırlık kg
123.8x40x1.50 mm	1500-16000	2.358
123.8x40x2.00 mm		3.144
123.8x40x2.50 mm		3.930



Duvar KM -150

MALZEME KALINLIĞI	Üretilerilir Boylar (mm)	Ağırlık kg
148.8x40x1.50 mm	1500-16000	2.594
148.8x40x2.00 mm		3,458
148.8x40x2.50 mm		4,323

- Profiller delikli olarak üretilebilmektedir.
- Yanak ve taban ölçüsü proje detayına uygun olarak değiştirilebilir.
- Üretilerilir profiller ile ilgili lütfen satış temsilcinizle irtibata geçiniz.

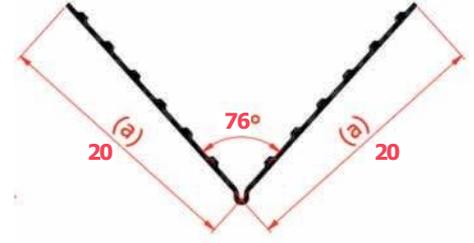
## Alçı Köşe Profili - 2 / Corner Bead Profile

Köşe Profilleri sıcak haddelenmiş ve mukavim galvanizli saclardan üretilmektedir.

Dış köşelerin çevresel etkilerden etkilenmesini engeller ve yüzey düzgünlüğünü sağlar.

Her türlü iç mekan tavan sistemlerinde kullanılabilir.

Bu profili istenilen malzeme kalınlığı ve profil boyunda üretebilmekteyiz.



*Corner Bead profiles are produced from hot-rolled and strong galvanized sheet metals. It is preventing to outer corner from environmental impacts and ensures smoothness surface. It can use on all kinds of indoor ceiling systems. We can produce this profile with needed material thickness and profile length.*

Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Alçı Köşe Profili / Corner Bead Profile (0,22 - 0,35 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,22 - 0,35 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,22 - 0,40 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,35 - 0,40 mm)	20X20	2,7	100

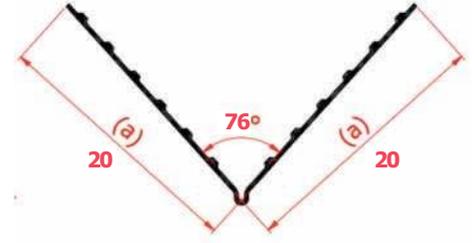
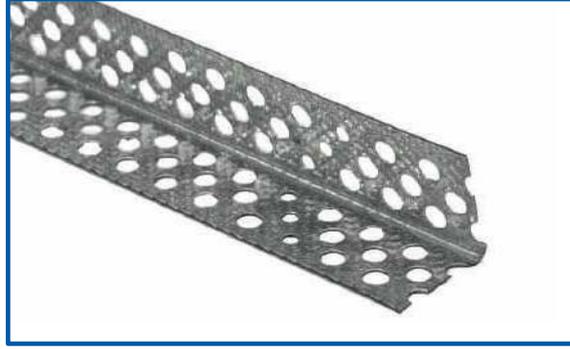
## Alçı Köşe Profili - 3 / Corner Bead Profile

Köşe Profilleri sıcak haddelenmiş ve mukavim galvanizli saclardan üretilmektedir.

Dış köşelerin çevresel etkilerden etkilenmesini engeller ve yüzey düzgünlüğünü sağlar.

Her türlü iç mekan tavan sistemlerinde kullanılabilir.

Bu profili istenilen malzeme kalınlığı ve profil boyunda üretebilmekteyiz.



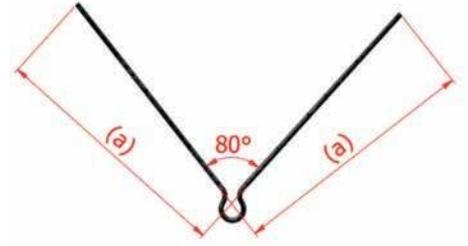
*Corner Bead profiles are produced from hot-rolled and strong galvanized sheet metals. It is preventing to outer corner from environmental impacts and ensures smoothness surface. It can use on all kinds of indoor ceiling systems. We can produce this profile with needed material thickness and profile length.*

Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Alçı Köşe Profili / Corner Bead Profile (0,3 - 0,5 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,3 - 0,5 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,3 - 0,5 mm)	20X20	2,7	100
Alçı Köşe Profili / Corner Bead Profile (0,3 - 0,5 mm)	20X20	2,7	100

## Kaba Sıva Profili ( **Oval Sırt** ) / Corner Angel Bead Profile

Köşe Profili Profil, tuğla, beton, gazbeton, bims blok vb. üzerine yapılan alçı sıva uygulamalarında kullanılır. Tamamlayıcı bir eleman olarak köşelerin çevresel etkilerden korunmasını sağlar ve yüzey düzgünlüğünü sağlar.

*Corner Angel Bead profile is using on gypsum plaster applications that made on brick, concrete, gas concrete, pumice block etc. It is preventing to corners from environmental impacts and ensures smoothness surface by as a complementary element.*

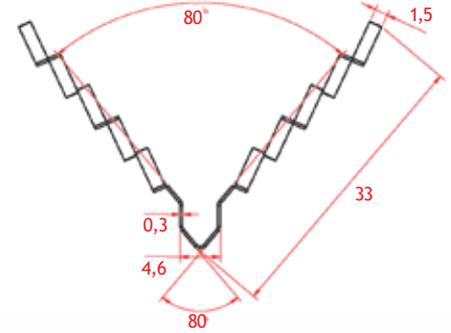
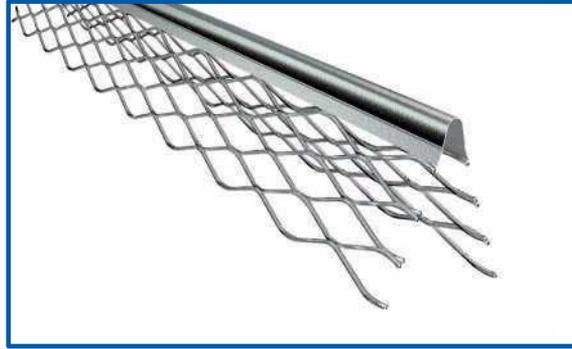


Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Kaba Sıva Profili/ Corner Angel Bead Profile 0,35 mm	33 x 33	2,7	100
Kaba Sıva Profili/ Corner Angel Bead Profile 0,35 mm	33 x 33	3	100

## Kaba Sıva Profili ( **Köşe Sırt** ) / Corner Angel Bead Profile

Köşe Profili Profil, tuğla, beton, gazbeton, bims blok vb. üzerine yapılan alçı sıva uygulamalarında kullanılır. Tamamlayıcı bir eleman olarak köşelerin çevresel etkilerden korunmasını sağlar ve yüzey düzgünlüğünü sağlar.

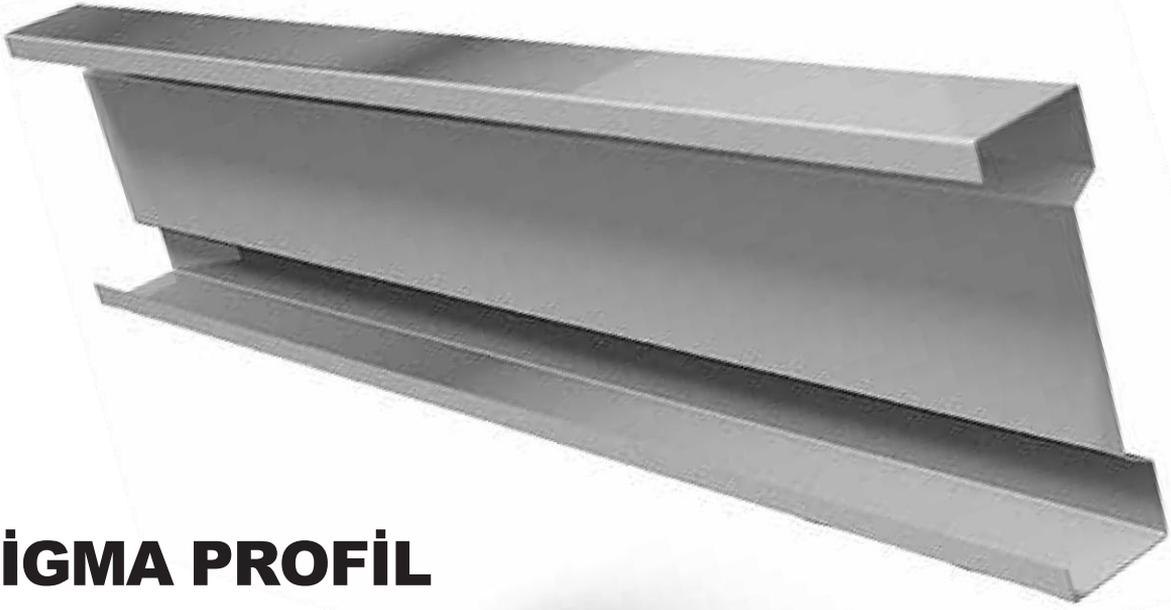
*Corner Angel Bead profile is using on gypsum plaster applications that made on brick, concrete, gas concrete, pumice block etc. It is preventing to corners from environmental impacts and ensures smoothness surface by as a complementary element.*



Profil Tanımı Profile Definition	Profil Ölçüsü Profile Size	Profil Uzunluğu Profile Length	Paket Adedi Pack qty
Kaba Sıva Profili/ Corner Angel Bead Profile 0,35 mm	30 x 30	2,7	100
Kaba Sıva Profili/ Corner Angel Bead Profile 0,35 mm	30 x 30	3	100



# SİGMA PROFİL



Tip : Sigma

Maksimum Boy : 21 m

Kalınlık : 0,90-3,00 mm

Kullanım Alanları : Aşıklar, Kuşaklar, Kolon, Kiriş ve Yük Taşıyan Duvarlar

Profiller, ağır yüke maruz kalan endüstriyel binalarda aşıklar ve kuşaklar olarak; daha hafif, endüstriyel olmayan binalarda ise birincil taşıyıcı kolon, kiriş ve yük taşıyan duvar görevini üstlenirler. Profiller, bina tasarım ve yapımı için çok büyük avantajlar sağlar. Çelik bina yapımı artık Sigma Profiller ile daha hızlı, güvenli ve daha ekonomik. Sigma Profiller, her projenin kendi özelliklerine göre değişken kesitlerde üretilir, böylelikle hem hafif hem de yüksek performanslı çözümler sağlanır. Projede kullanılan tüm profiller CAD çizimlerinde belirtilen ölçülere göre, 3 boyutunda da tüm montaj ve servis delikleriyle beraber üretilir. Şantiye ortamında delme, kesme ve kaynak yapma gibi hiç bir imalata gerek duyulmadan, montaja hazır şekilde şantiyeye teslim edilir. Yüksek hassasiyetli, bilgisayar kontrollü, tam otomatik hatlarda, EN10162 standartlarına uygun üretim yapılır. Bu sayede hem gereksiz imalat yükü, hem de saha ortamında yapılacak işçilik hataları minimuma indirilir. Highspan Sigma ve Sigma+ Profil, 140 mm ile 400 mm arasında farklı taban yükseklikleri, maksimum 4 mm kalınlık ve maksimum 18 metre boya kadar değişken kesitlerde üretilir. Highspan Sigma ve Sigma+ Profil, her projenin tanımlanmış özel ihtiyaçlarına göre farklı mekanik ve korozyon performanslı, galvanizli çelik veya siyah çelikten üretilir. Tüm profiller üretim sırasında otomatik olarak markalanır, böylece şantiyede montaj hızı ve kolaylığı artırılır.

Type: Sigma

Maximum Length: 21 m

Thickness: 0.90-3.00 mm

Areas of Use: Purlins, Belts, Columns, Beams and Load-bearing Walls

Profiles are used as purlins and belts in industrial buildings subject to heavy loads; In lighter, non-industrial buildings, they serve as primary load-bearing columns, beams and load-bearing walls. Profiles provide great advantages for building design and construction. Steel building construction is now faster, safer and more economical with Sigma Profiles. Sigma Profiles are produced in variable cross-sections according to the specific characteristics of each project, thus providing both lightweight and high-performance solutions. All profiles used in the project are produced according to the dimensions specified in the CAD drawings, with all mounting and service holes in all 3 sizes. In the construction site environment. It is delivered to the construction site ready for assembly, without the need for any manufacturing such as drilling, cutting or welding. Production is carried out on high-precision, computer-controlled, fully automatic lines in accordance with EN10162 standards. In this way, both unnecessary manufacturing load and workmanship errors in the field environment are minimized. Highspan Sigma and Sigma+ Profile are produced in variable cross-sections with different base heights between 140 mm and 400 mm, a maximum thickness of 4 mm and a maximum length of 18 meters. Highspan Sigma and Sigma+ Profile are produced from galvanized steel or black steel with different mechanical and corrosion performances according to the specific needs of each project. All profiles are automatically marked during production, Thus, the speed and ease of assembly on the construction site is increased.



## U - SAC

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U Profil, alçak ve hafif binalarda, yük taşıyıcı duvar rayı ve tali aşık olarak kullanılır. Projede kullanılan tüm profiller CAD çizimlerinde belirtilen ölçülere göre, 3 boyutunda da tüm montaj ve servis delikleriyle beraber üretilir. Şantiye ortamında delme, kesme ve kaynak yapma gibi hiç bir imalata gerek duyulmadan, montaja hazır şekilde şantiyeye teslim edilir. Yüksek hassasiyetli, bilgisayar kontrollü makinalarla, EN10162 standartlarına uygun üretim yapılır. Profil, 100 mm ile 250 mm arasında farklı taban yükseklikleri, maksimum 3 mm kalınlık ve maksimum 21 metre boya kadar değişken kesitlerde üretilir. U Profil, her projenin tanımlanmış özel ihtiyaçlarına göre farklı mekanik ve korozyon performanslı galvanizli çelik veya siyah çelikten üretilir. Tüm profiller üretim sırasında otomatik olarak markalanır, böylece şantiyede montaj hızı ve kolaylığı artırılır.

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U Profile is used as load-bearing wall rail and secondary purlin in low and light buildings. All profiles used in the project are produced according to the dimensions specified in the CAD drawings, with all mounting and service holes in 3 dimensions. They are delivered to the construction site ready for assembly, without the need for any manufacturing such as drilling, cutting and welding in the construction site environment. Production is made in accordance with EN10162 standards with high-precision, computer-controlled machines. The profile is produced in variable cross-sections with different base heights between 100 mm and 250 mm, a maximum thickness of 3 mm and a maximum length of 21 meters. U Profile is produced from galvanized steel or black steel with different mechanical and corrosion performance according to the defined specific needs of each project. All profiles are automatically marked during production, thus increasing the speed and



## CEE SAC

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Cee profil, ağır yüke maruz kalan endüstriyel binalarda aşık ve kuşak olarak; daha hafif, endüstriyel olmayan binalarda ise birincil taşıyıcı kolon, kiriş ve yük taşıyan duvar görevini üstlenirler. Highspan Cee profil bina tasarım ve yapımı için çok büyük avantajlar sağlar. Çelik Bina yapımı artık Highspan Cee profil ile daha hızlı, güvenli ve daha ekonomik. Highspan Cee profil, her projenin kendi özelliklerine göre değişken kesitlerde üretilir, böylelikle hem hafif hem de yüksek performanslı çözümler sağlanır. Highspan Cee profil, kendi ağırlığına oranla çok yüksek taşıma kapasitesine sahiptir, bu sayede sıcak hadde kesitlere oranla %50'ye varan maliyet avantajı yaratırlar. Tüm montaj ve servis delikleri, profilin 3 boyutunda da CAD çizimlerine göre hazırlanır. Yüksek hassasiyetli, bilgisayar kontrollü tam otomatik hatlarda EN10162 standartlarına uygun üretim yapılır. Highspan Cee profil, 100mm ile 250 mm arasında farklı taban yükseklikleri, maksimum 3 mm kalınlık ve maksimum 21 metre boya kadar değişken kesitlerde üretilir. Highspan Cee profil her projenin tanımlanmış özel ihtiyaçlarına göre farklı mekanik ve korozyon performanslı galvanizli ve sıcak çelik hammaddeden üretilir. Tüm profiller üretim sırasında otomatik olarak markalanır, böylece şantiyede montaj hızı ve kolaylığı arttırılır.

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Cee profile is used as purlin and belt in industrial buildings subjected to heavy loads; In lighter, non-industrial buildings, they serve as primary load-bearing columns, beams and load-bearing walls. Highspan Cee profile provides great advantages for building design and construction. Steel building construction is now faster, safer and more economical with Highspan Cee profile. Highspan Cee profile is produced in variable cross-sections according to the specific characteristics of each project, thus providing both lightweight and high-performance solutions. Highspan Cee profile has a very high carrying capacity compared to its own weight, thus creating a cost advantage of up to 50% compared to hot rolled sections. All assembly and service holes are on the 3rd side of the profile. It is also prepared according to CAD drawings in size. Production is made in accordance with EN10162 standards on high-precision, computer-controlled, fully automatic lines. Highspan Cee profile is produced in variable cross-sections with different base heights between 100 mm and 250 mm, a maximum thickness of 3 mm and a maximum length of 21 meters. Highspan Cee profile is produced from galvanized and hot steel raw materials with different mechanical and corrosion performance according to the defined special needs of each project. All profiles are automatically produced during production. is marked, thus increasing the speed and ease of assembly on the construction site.



## PVC DESTEK SACI

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Destek sacı PVC pencere ve kapı sistemlerinde; ses yalıtımı, rüzgar yüküne karşı direnç, menteşelerin plastik profile daha sağlam bağlanabilmesi, plastik profilin şeklini ve yapısını uzun süre korumasını sağlamak amacıyla kullanılan, galvanize sacdan imal edilen profillerdir. BG Profil olarak, hem yurt için de hem de yurt dışında PVC'den imal edilen kapı, kasa ve pencerelerde ihtiyaç duyulan destek saclarının "U Profil" / "C Profil" / "G Profil" / "J Profil" ve "Kutu Profil" çeşitlerinin tamamını 0,60 mm'den 2,5 mm kalınlığa kadar üretmekteyiz.

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Support sheet in PVC window and door systems; They are profiles made of galvanized sheet metal, used for sound insulation, resistance to wind load, fastening of the hinges to the plastic profile more firmly, and ensuring that the plastic profile maintains its shape and structure for a long time. As BG Profile, we produce all types of support sheets "U Profile" / "C Profile" / "G Profile" / "J Profile" and "Box Profile", which are needed in doors, frames and windows made of PVC, both at home and abroad, with a thickness of 0.60 mm. We produce up to 2.5 mm thickness.



## Elevating Construction Standards: Metlife Light Steel Systems

Metlife Prefabricated distinguishes itself from industry competitors by engineering **premium light steel structures** through cutting-edge technology. Our solutions redefine excellence by combining total design freedom, superior production quality, and eco-friendly practices with seamless assembly and ultimate user comfort. By utilizing specialized software, our profile systems are directly integrated into automated production lines, ensuring **absolute millimetric precision**.

### Redefining Design Freedom

The most significant advantage of Light Steel Prefabricated Structures is the elimination of restrictive panel dimensions and the need for unsightly cover profiles common in standard prefabricated buildings. This breakthrough allows for **boundless architectural creativity**, enabling us to bring even the most complex designs to life.

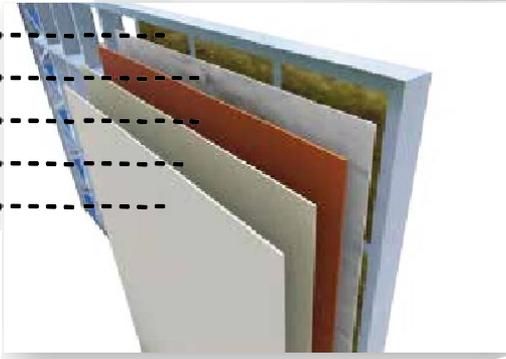
### The Art of Precision Engineering

The production technique for our light steel buildings sets a new benchmark in the industry:

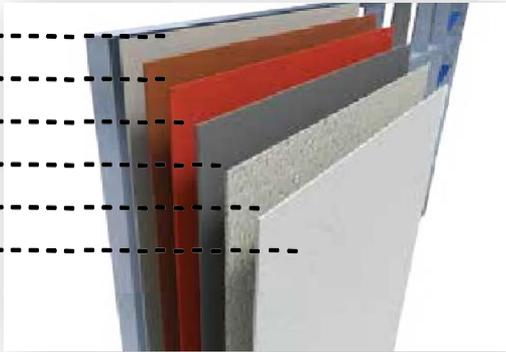
- **Seamless Integration:** Much like a spider weaving its web, the steel framework is intricately interconnected from the foundation to the roof trusses using custom-engineered screws, creating a robust, **monolithic system**.
- **Weld-Free Durability:** Our system is entirely weld-free. Precision-drilled screw holes, executed by automated machinery, ensure a smooth and rapid assembly process on-site.
- **Sustainable & Mobile:** Designed for efficiency, our structures can be assembled in record time. Furthermore, the system offers the unique flexibility of being **disassembled and relocated** to a new site without compromising structural integrity.

### İç Cephe Detayı/ Interior Wall Detail\*

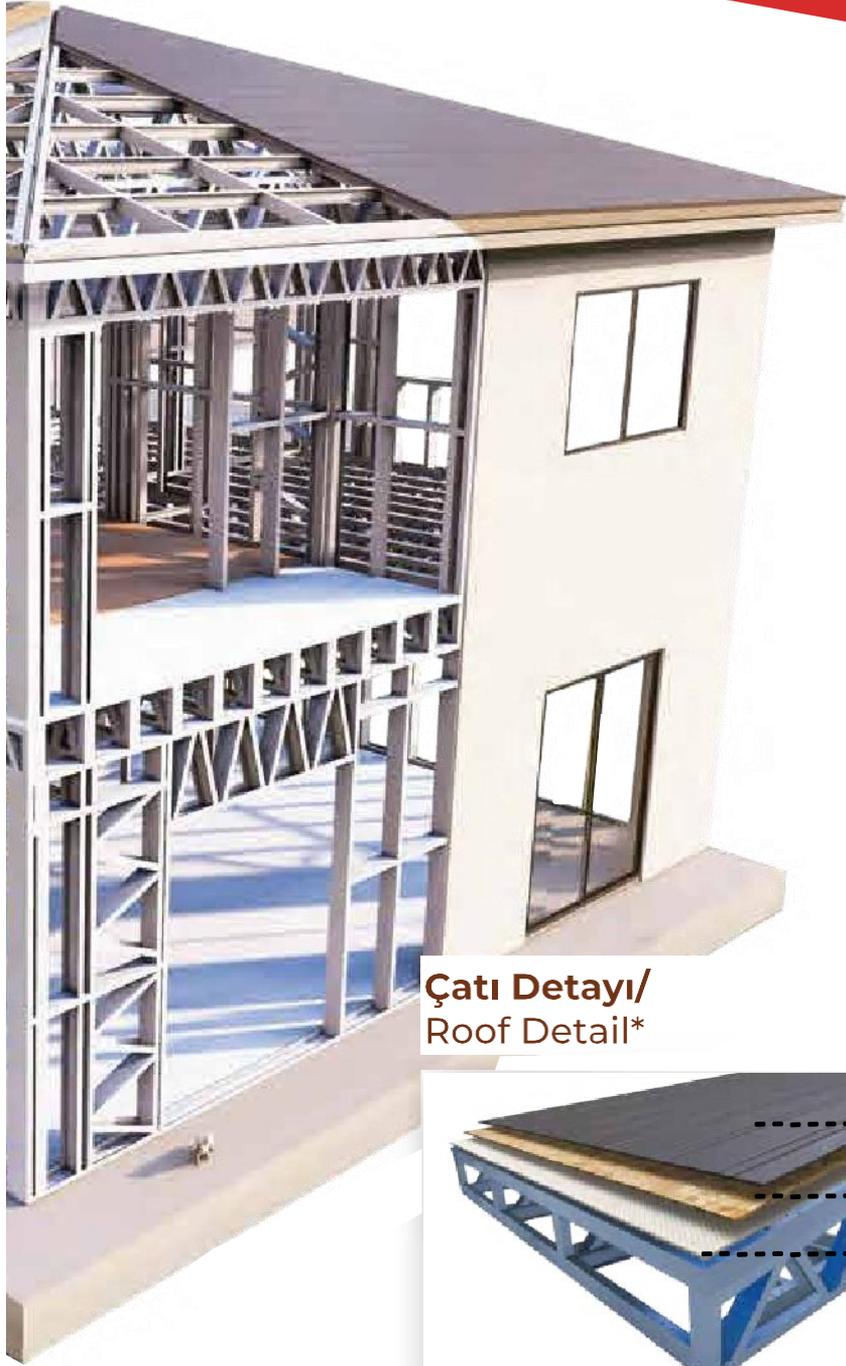
- Taş Yünü/ Rock Wool\*
- 12,5 mm Alçıpan/ Gypsum Board\*
- File/ Wall Mesh\*
- Sıva/Plaster\*
- Boya/ Paint\*



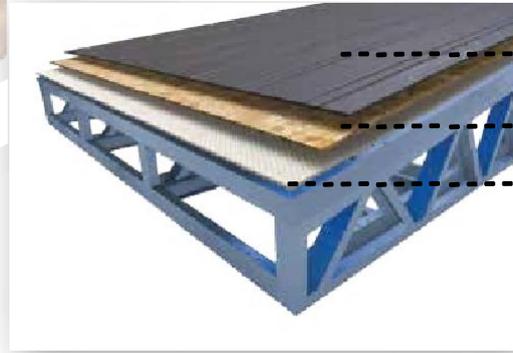
- Nem Bariyeri/ Moisture Barrier\*
- Boardex
- File/ Wall Mesh\*
- Kalekim/ Adhesive Mortar\*
- Mineral Sıva/ Mineral Plaster\*
- Boya/ Paint\*



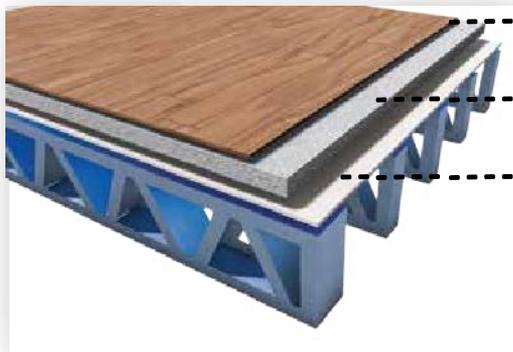
### Dış Cephe Detayı/ Exterior Wall Detail\*



### Çatı Detayı/ Roof Detail\*



- Kenet Sac  
Standing Seam Sheet\*
- 11 mm OSB
- Nem Bariyeri  
Moisture Barrier\*



- Laminat/ Seramik  
Laminate/Ceramic\*
- Şap Betonu  
Screed Concrete\*
- 15 mm OSB/ Trapez/ Betopan  
15 mm OSB/Trapezoidal Sheet/  
Cementboard\*

### Arakat Detayı/ Intermediate Floor Detail\*



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