



## **SSC CATALOG**





## ABOUT US

Expanding its volume in the sector with the investment decision taken in 2005, UMS established **the first and only Steel Service Center** in its region and provided fast, quality and solution-oriented services for the special size galvanized sheet requests demanded with its length cutting line, trapezoidal line and slitting line.

Starting its export adventure in 2010, it has managed to export to **more than 17 countries**, consisting of Europe, North Africa and Turkic Republics, especially Norway, Sweden, Denmark, France.

In 2018, the company took new steps in terms of quality and received **TS EN ISO 9001** Quality Management System Certificate, **TS EN ISO 14001** Environmental Management System Certificate, **TS OHSAS 18001** Occupational Health and Safety Management System Certificate, **ISO 14025** and **TS EN 15804** Environmental Product Declaration (EPD) for Steel Profile and Accessories.

UMS Uğur Metal Sanayi took its first step in the sector in **1999** by trading galvanized and painted galvanized sheet metal in Ankara Ostim OIZ. In a very short time, he managed to stand out in his own sector with his principled attitude and high-quality understanding.

UMS, which crowned the importance it attaches to quality by obtaining **TS EN ISO 9001** Quality Management Certificate in 2006, has become a Steel Service Center that makes a difference with its quality certificate.

Continuing its growth and development in the sector with its investments, **the company has become the fastest producer brand in Turkey** with the largest profile production capacity and producing gypsum and gypsum board profiles, exterior profiles and connection accessories with new production lines added to its body in 2013.





2020

In 2020, **UMS Reform Suspended Ceiling Profiles** with a completely new design and surface texture with new profile lines with emboss technology were developed and added to the product portfolio.

2019

In 2019, together with **Atılım University Material Forming and Excellence Center**, **UMS Power Ceiling Profiles**, which show an upper thickness performance in suspended ceiling systems compared to their counterparts, have been developed and started to be produced. The developed design has been registered by obtaining the Utility Model Certificate.

2022

In the ASO 2 region in Temelli, 38 production centers, 8000 m2 closed and 4000 m2 open, with a total area of 12000 m2, Turkey's largest and highest production capacity profile factory has been opened.

Today, UMS, which continues its production activities /with all its speed and stability, continues to carry out its production activities with its annual **120 thousand tons of SSS production capacity, 150 million meters of profile production capacity** and modern machines, galvanized cold forming steels and galvanized non-alloy structural steels.

Since the first day he stepped into the sector, by adopting customer satisfaction, after-sales service, quality and reliability as principles, he continues to make a difference in the sector with the philosophy of always being **"one step ahead"** in innovation, technology and development, reaching the European markets he targets and taking firm steps forward.





# UMS QUALITY POLICY

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It is our fundamental principle to adopt quality as a way of life in order to provide the highest quality products and services with a view to maintain our respect and existence towards our customers.

We believe that the factors that reinforce the quality are a participatory working environment, qualified and trained personnel, healthy working conditions, environmental awareness, and ability to adapt to time and changing conditions.

***For these reasons,  
it is our company  
policy to:***

Increase quality and environmental awareness, maintain a safe working environment and implement innovations and modern technology by continuously training all our employees,

Provide our customers with high quality products, in the shortest time, by guaranteeing the highest quality, performance, product reliability and value in a consistent manner,

Comply with national and international standards and laws regarding the products,

Implement the quality management system we have established and continuously improve its effectiveness.





TS EN ISO 9001 - 2015



TS EN ISO 14001 - 2015



TS ISO 45001 - 2018



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# PRODUCTION LINES

## *Slitting Line*



This line is designed to slit rolled formed steel horizontally with circular knives.



**Production Capacity:**  
50.000 tons / year



**Maximum Coil Weight:**  
20 tons



**Min/Max Steel Width:**  
1 in. / 61 in.



**Min/Max Steel Thickness:**  
10 mil. / 157 mil.



**Speed:**  
5910 in. / min











# PRODUCTION LINES

## *Cut-to-Length Line*



This line is designed to cut rolled formed steel vertically. Vertical cutting has two straightener units to maintain double straighten. This type of production allows extremely low flatness tolerance.



**Production Capacity:**  
40.000 tons / year



**Maximum Coil Weight:**  
20 tons



**Min/Max Steel Width:**  
11.80 in. / 49.20 in.



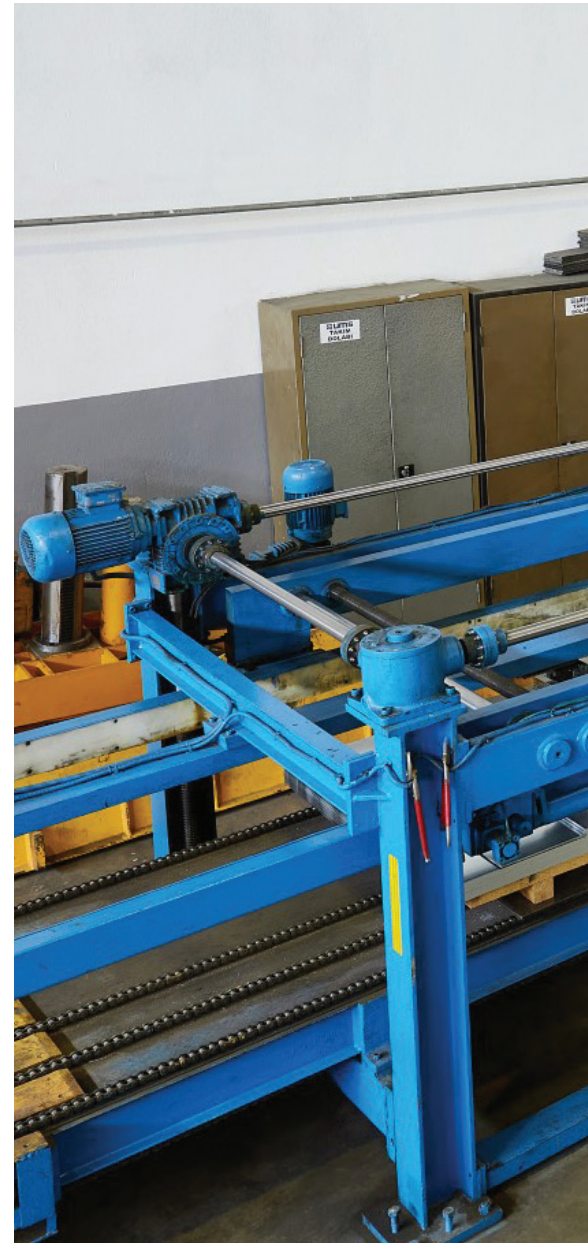
**Min/Max Steel Thickness:**  
10 mil. / 118 mil.



**Min/Max Steel Length:**  
12 in. / 393 in.



**Speed:**  
1969 in. / min









# PRODUCTION LINES

## *Trapeziodal and Corrugated Steel Sheet Production Line*



This line is designed to corrugate rolled formed steel in dimensions of 1-1/8", 11/16", 2-1/4", 1-1/2".



**Production Capacity:**  
30.000 tons / year



**Maximum Coil Weight:**  
15 tons



**Min/Max Steel Width:**  
39.37 in. / 47.24 in.



**Min/Max Steel Thickness:**  
10 mil. / 59 mil.



**Min/Max Steel Length:**  
11.81 in. / 472.44 in.



**Speed:**  
1969 in. / min











## PRODUCT STANDARDS

Galvanized flat steel is manufactured by zinc-coating both sides of cold rolled metal by hot-dipping process. Galvanized products manufactured with this coating, which aims to prevent corrosion on material exposed to atmospheric ambience and to extend its life span, are an important input, particularly for the automotive industry and for sectors producing products for exterior surfaces.

Galvanized steels are passivated by chromating and/or oiling and thus the zinc on the surface preserves the coating against corrosion. The steels appropriate for drawing and structural steels are described according to the ASTM A653 standards.

Drawing Steels, because of their high corrosion protection capacity and surface quality, are recommended for general indoor/outdoor applications whenever a risk of corrosion exists. Structural Steels can be used for practically all general applications in the construction sector. They are especially preferred for their high strength, good formability, and weldability properties.



Hot Dip Galvanized Steels

ASTM A653	EN 10346
33 (230)	S220GD+Z
37 (255)	S250GD+Z
40 (275)	S280GD+Z
50 (340)	S350GD+Z
55 (380)	S390GD+Z
60 (410)	S420GD+Z
70 (480)	S450GD+Z
80 (550)	S550GD+Z

Inch-Pound Units				
Type	Coasting Designation	TST Total Both Sides oz/ft²	TST One Side oz/ft²	SST Total Both Sides oz/ft²
Zinc	G01	no minimum	no minimum	no minimum
	G30	0.30	0.10	0.25
	G40	0.40	0.12	0.30
	G60	0.60	0.20	0.50
	G90	0.90	0.32	0.80
	G100	1.00	0.36	0.90
	G115	1.15	0.40	1.00
	G140	1.40	0.48	1.20
	G165	1.65	0.56	1.40
	G185	1.85	0.64	1.60
	G210	2.10	0.72	1.80
	G235	2.35	0.80	2.00
	G300	3.00	1.04	2.60
	G360	3.60	1.28	3.20

ASTM A653	EN 10346
CS	DX 51 D+Z
FS	DX 52 D+Z
DDS	DX 53 D+Z
DDS	DX 54 D+Z
EDDS	DX 56 D+Z

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**FS:** Forming steel (FS Types A and B),  
**DDS:** Deep drawing steel (DDS Types A and C),  
**EDDS:** Extra deep drawing steel,  
**SS:** Structural steel

SI Units				
Type	Coasting Designation	TST Total Both Sides g/m²	TST One Side g/m²	SST Total Both Sides g/m²
Zinc	Z001	no minimum	no minimum	no minimum
	Z90	90	30	75
	Z120	120	36	90
	Z180	180	60	150
	Z275	275	94	235
	Z305	305	110	275
	Z350	350	120	300
	Z450	450	154	385
	Z500	500	170	425
	Z550	550	190	475
	Z600	600	204	510
	Z700	700	238	595
	Z900	900	316	790
	Z1100	1100	390	975



# PRODUCTS

## Hot Dip Galvanized Steel Coil

Galvanized and painted galvanized steel coils are produced based on customer demand.

Thickness	10 - 118 mil.
Width	23.622 - 60.236 in.
Coating Thickness	G30 - G115
Quailities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])

## Hot Dip Painted Galvanized Steel Coil

Thickness	12 - 47 mil.
Width Min / Max	23.622 - 60.236 in.
Coating Thickness	G30 - G115
Quailities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, Pvd, Plastisol, PVC

CS: Commercial steel (CS Types A, B, and C),  
FS: Forming steel (FS Types A and B),  
DDS: Deep drawing steel (DDS Types A and C),  
EDDS: Extra deep drawing steel,  
SS: Stractural steel









# PRODUCTS

## Hot Dip Galvanized Slitted Coil

Wide galvanized and painted galvanized roll formed steel are slitted to form narrower coil or to change band width per customer request.

Thickness	10 - 157 mil.
Width	1 - 61 in.
Coating Thickness	G30 - G115
Quailities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])

## Hot Dip Painted Galvanized Slitted Coil

Thickness	12 - 47 mil.
Width Min / Max	1 - 60.236 in.
Coating Thickness	G30 - G115
Quailities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, Pvd, Plastisol, PVC

CS: Commercial steel (CS Types A, B, and C),  
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DDS: Deep drawing steel (DDS Types A and C),  
EDDS: Extra deep drawing steel,  
SS: Stractural steel







# PRODUCTS

## Galvanized Flat Sheet

Galvanized and painted galvanized rolled formed steel coils are cut into flat sheets per customer request. Painted galvanized steel can also be coated by film for surface protection in case of a demand.

Thickness	10 - 118 mil.
Width	23.622 - 60.236 in.
Length	4 - 394 in.
Coating Thickness	G30 - G115
Qualities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])

## Painted Galvanized Flat Sheet

Thickness	12 - 47 mil.
Width	23.622 - 60.236 in.
Length	4 - 394 in.
Coating Thickness	G30 - G115
Qualities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, PvdF, Plastisol, PVC

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SS: Structural steel



# galvanized flat sheet

Thickness (in.)	Length (ft)					
	3,2808	6,5617	7,8740	9,8425	11,4829	13,1234
0,0118110236220472	1,5825	3,1650	3,7980	4,7475	5,5387	6,3299
0,0137795275590551	1,8462	3,6925	4,4310	5,5387	6,4618	7,3849
0,015748031496063	2,1100	4,2200	5,0640	6,3299	7,3849	8,4399
0,0177165354330709	2,3737	4,7475	5,6970	7,1212	8,3081	9,4949
0,0196850393700787	2,6375	5,2750	6,3299	7,9124	9,2312	10,5499
0,0236220472440945	3,1650	6,3299	7,5959	9,4949	11,0774	12,6599
0,0275590551181102	3,6925	7,3849	8,8619	11,0774	12,9236	14,7699
0,031496062992126	4,2200	8,4399	10,1279	12,6599	14,7699	16,8799
0,0354330708661417	4,7475	9,4949	11,3939	14,2424	16,6161	18,9898
0,0393700787401575	5,2750	10,5499	12,6599	15,8249	18,4623	21,0998
0,047244094488189	6,3299	12,6599	15,1919	18,9898	22,1548	25,3198
0,0590551181102362	7,9124	15,8249	18,9898	23,7373	27,6935	31,6497
0,078740157480315	10,5499	21,0998	25,3198	31,6497	36,9247	42,1997
0,0984251968503937	13,1874	26,3748	31,6497	39,5622	46,1559	52,7496
0,118110236220472	15,8249	31,6497	37,9797	47,4746	55,3870	63,2995



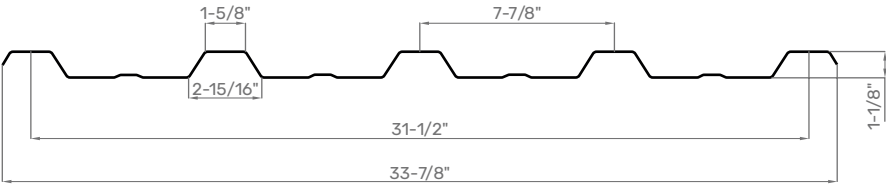


# PRODUCTS

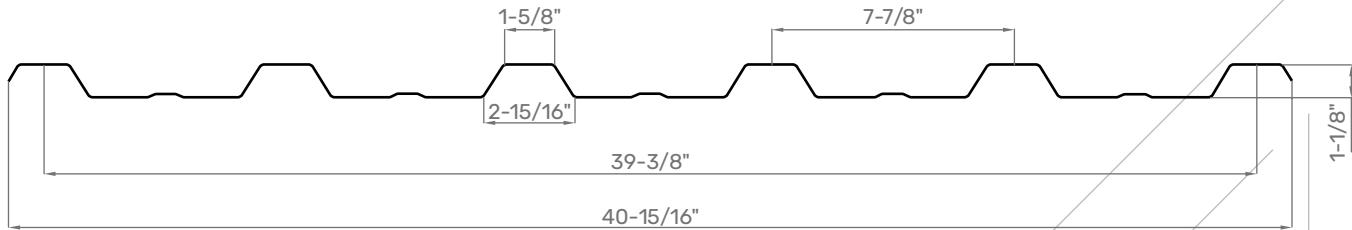
## Galvanized and Painted Galvanized 1-1/8" Trapezoidal Sheet and Ridge

Galvanized and painted galvanized coils are formed in dimensions of 1-1/8" trapezoidal sheets together with 5 or 6 ribs. Form 1-1/8" trapezoidal sheets with 5 ribs have 31.5" net usage width whereas sheets with 6 ribs have 39.37". They can be used on roofs as well as claddings.

Thickness	12 - 47 mil.
Width	33.875 - 40.937 in.
Length	3.937 - 472.440 in.
Coating Thickness	G30 - G115
Quailities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, PvdF, Plastisol, PVC



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**SS:** Stractural steel



#### Weight of 1-1/8" Trapezoidal Sheets

Galvanized sheet thickness (mil.)	12	14	16	18	20	24	28	31	35	39	47
Weight of 7.28' length (lb/ft)	1,59	1,85	2,11	2,37	2,64	3,16	3,70	4,22	4,75	5,27	6,33
Load table of 1-1/8" trapezoidal sheets (lb/ft²)	14,35	16,75	19,19	21,58	23,97	28,76	33,54	38,33	43,11	47,90	57,52

#### Load Table of 1-1/8" Trapezoidal Sheets (lb/ft²)

Span (ft)	12	14	16	18	20	22	26	30	33	37	41	49
3,281	72,710	84,999	96,878	109,167	121,456	133,540	157,708	182,082	206,659	230,828	243,117	291,863
3,609	60,216	70,252	80,083	90,119	100,360	110,191	130,468	150,335	170,612	190,684	200,925	241,069
3,937	50,385	58,987	67,385	75,782	84,179	92,577	109,781	126,372	143,576	160,166	168,768	202,563
4,593	37,072	43,216	49,361	55,710	61,854	67,999	80,493	89,095	105,480	117,769	123,914	148,697
4,921	32,361	37,891	43,216	48,541	54,071	59,397	70,252	81,107	91,962	102,613	108,143	129,853
5,906	22,530	26,216	29,903	33,795	37,481	41,168	48,746	56,324	63,903	71,276	75,168	90,119
6,562	18,229	21,301	24,373	27,445	30,518	33,385	39,530	45,674	51,614	57,758	60,830	72,915
7,218	14,952	17,614	20,072	22,530	25,192	27,650	32,771	37,686	42,807	47,722	50,180	60,421
7,874	12,699	14,747	16,795	19,048	21,096	23,144	27,445	31,747	35,843	40,144	42,192	50,794
8,202	11,675	13,723	15,566	17,614	19,458	21,301	25,397	29,084	33,180	37,072	38,915	46,698
9,186	9,217	10,855	12,494	13,927	15,566	17,000	20,072	23,349	26,421	29,494	31,132	37,277
9,843	7,988	9,422	10,855	12,084	13,518	14,747	17,614	20,277	22,939	25,602	27,036	32,361

Safety tension: 17068 lb/in2      Calculations are according to span. No single weight load at a specific point.



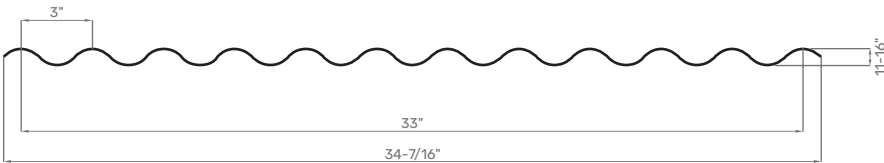


# PRODUCTS

## Galvanized and Painted Galvanized 11/16" Corrugated Sheet

The sinusoidal sheets produced from galvanized and painted galvanized coil are profiled in 11/16". The net applied width is 31.5".

Thickness	12 - 47 mil.
Width	34.44 in.
Length	4 - 472 in.
Coating Thickness	G30 - G115
Qualities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, PvdF, Plastisol, PVC



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**EDDS:** Extra deep drawing steel,  
**SS:** Stractural steel



Weight of 11-16" Corrugated Sheets

Galvanized sheet thickness (mil.)	0.30	0.35	0.40	0.45	0.50	0.60	0.70	0.80	0.90	1.00	1.20
Weight of 7.28' length (lb/ft)	2.36	2.75	3.14	3.53	3.93	4.71	5.50	6.28	7.07	7.85	9.42
Load table of 11/16" corrugated sheets (lb/ft²)	2.80	3.27	3.74	4.21	4.67	5.61	6.54	7.48	8.41	9.35	11.21

Load Table of 11-16" Corrugated Sheets lb/ft²

Span (ft)	12	14	16	18	20	22	26	30	33	37	41	49
3,281	42,602	49,770	56,939	63,903	71,071	78,240	92,372	106,504	120,842	134,974	141,938	170,612
3,609	35,228	40,963	47,108	52,843	58,782	64,517	76,396	88,071	99,745	111,625	117,564	140,914
3,937	29,494	34,614	39,530	44,445	49,361	54,276	64,107	73,939	83,975	93,806	98,721	118,384
4,593	21,711	25,397	29,084	32,566	36,252	39,939	47,108	54,481	61,650	68,818	72,505	87,047
4,921	18,843	22,120	25,192	28,469	31,542	34,819	40,963	47,313	53,662	60,011	63,083	75,782
5,906	6,964	15,361	17,614	19,662	21,915	24,168	28,469	32,975	37,277	41,578	43,831	52,638
6,562	10,855	12,494	14,132	15,976	17,819	19,458	23,144	26,626	30,313	33,795	35,433	42,602
7,218	8,807	10,241	11,675	13,313	14,747	16,180	19,048	22,120	24,988	27,855	29,289	35,228
7,874	7,373	8,602	9,831	11,060	12,289	13,518	15,976	18,433	20,891	23,349	24,578	29,698
8,202	6,759	7,988	9,012	10,241	11,470	12,494	14,747	17,000	19,253	21,711	22,735	27,241
9,186	5,325	6,349	7,169	8,193	9,012	10,036	11,675	13,518	15,361	17,409	18,229	21,711
9,843	4,711	4,301	6,349	7,169	7,988	8,602	10,241	11,879	13,518	15,361	15,771	19,048

Safety tension: 17068 lb/in2      Calculations are according to span. No single weight load at a specific point.



## PRODUCTS

### *Galvanized and Painted Galvanized 2-1/4" Composite Steel Decking*

The composite deck produced from galvanized and painted galvanized is profiled in 2-1/4". It is produced from a coil of 47.244" width with 3 ribs.

The trapezoidal sheets are designed for using composite floor deck. The 2-1/4" deck provides composite union between steel and concrete. First the deck performs as a slab, following concrete dry, 2-1/4" deck behaves as a composite together with the steel frame of the building. Due to its efficient shape, the 2-1/4" deck requires less concrete than other decks compared to any given thickness. Savings in concrete volume about 30% lowers the vertical and horizontal weight on the building. In addition, the embossments on the composite sheet help to increase connection between the steel and concrete.

The trapezoidal sheets differ during slab and composite process. During slab process, because of its weight on the slab, the composite deck is exposed to contortion and cut off effects. During composite process, the deck forms the tension component of composite section. Rarely in some situations, it can resist the pressure and tension together with the concrete.

The form of composite sheet is inspected in detail, and for each thickness the characteristic of section is obtained. The calculation is referred to Euro code 4 "Design of Composite Steel and Concrete Structures". It is assumed that the slide between steel and concrete is prevented during composite working.

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**DDS:** Deep drawing steel (DDS Types A and C),  
**EDDS:** Extra deep drawing steel,  
**SS:** Structural steel





Thickness	28 - 59 mil.
Width	36 in.
Length	4 - 472 in.
Coating Thickness	G30 - G115
Qualities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, Pvd, Plastisol, PVC

### The Parameters Used in the Calculations

#### 1) Installation Security Factors

Constant Loads (G) : 1,35  
Moving Loads (Q) : 1,50  
Use Case : 1,00

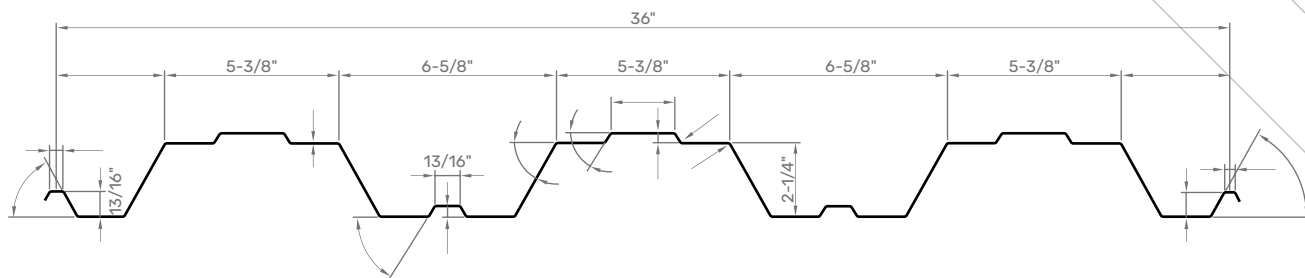
#### 2) Material Qualities

**Concrete** : C25  
fck : 3,626 ksi

**Steel Sheet** : 33  
fyp : 33 ksi

#### 3) Limit of Displacement

Limit of Displacement: L/200



### UMS 2-1/4" Shape Properties

Thickness t: (mil.)	28	32	36	40	47	59
Area A: (in²)	1,302	1,488	1,674	1,86	2,232	2,79
Unit Weight G: (lb/ft)	4,431	5,064	5,697	6,330	7,596	9,495
Moment of Inertia I: (in²)	854,315	976,297	1098,268	1220,228	1464,121	1829,910
Prime Axis Distance c: (in)	1,318	1,320	1,321	1,323	1,326	1,331
Moment of Durability W: (in²)	25,517	29,126	32,726	36,316	43,472	54,139



**Loads That Can Be Carried During Concrete Casting (Wet Concrete)**

Single Condition / q (lb/ft²)							
(in./ft)	3'-3"	4'-11"	6'-6"	8'-2"	9'-10"	11'-5"	13'-1"
0,028	418,54	185,28	81,58	41,12	23,24	14,14	9,04
0,031	477,73	211,48	93,23	46,99	26,55	16,16	10,33
0,035	536,77	237,62	104,88	52,86	29,87	18,18	11,61
0,039	595,67	263,69	116,52	58,73	33,19	20,20	12,90
0,047	713,03	315,64	139,81	70,47	39,82	24,23	15,48
0,059	887,99	393,08	174,74	88,08	49,77	30,29	19,35

Multiple Condition / q (lb/ft²)							
(in./ft)	3'-3"	4'-11"	6'-6"	8'-2"	9'-10"	11'-5"	13'-1"
0,0276	418,54	185,28	103,64	65,85	45,32	32,95	24,62
0,0315	477,73	211,48	118,29	75,16	51,73	37,60	28,14
0,0354	536,77	237,62	132,91	84,45	58,12	42,25	31,65
0,0394	595,67	263,69	147,49	93,71	64,50	46,88	35,17
0,0472	713,03	315,64	176,55	112,17	77,20	56,11	42,20
0,0591	887,99	393,08	219,86	139,69	96,14	69,87	52,74

Triple Condition / q (lb/ft²)							
(in./ft)	3'-3"	4'-11"	6'-6"	8'-2"	9'-10"	11'-5"	13'-1"
0,0276	523,51	231,93	129,88	78,78	45,03	27,86	18,23
0,0315	597,55	264,73	148,25	90,02	51,46	31,84	20,83
0,0354	671,40	297,45	166,57	101,27	57,89	35,82	23,43
0,0394	745,06	330,08	184,84	112,52	64,31	39,80	26,04
0,0472	891,85	395,11	221,25	135,01	77,17	47,75	31,24
0,0591	1110,70	492,06	275,54	168,73	96,45	59,68	39,04

Accepted load for worker and equipment weights other than their self-weights: 30 lb/ft2



Maximum Spans That Are Passble During Concrete Casting (Wet Concrete)

Single Condition / L (ft)						
(in./ft)	0,0276	0,0315	0,0354	0,0394	0,0472	0,0591
3,9370	8,131	8,501	8,842	9,157	9,731	10,482
4,7244	7,739	8,091	8,415	8,716	9,261	9,976
5,5118	7,413	7,750	8,060	8,348	8,871	9,556
6,2992	7,082	7,460	7,759	8,036	8,539	9,198
7,0866	6,733	7,193	7,493	7,761	8,247	8,883
7,8740	6,425	6,864	7,256	7,515	7,986	8,602

Multiple Condition / L (ft)						
(in./ft)	0,0276	0,0315	0,0354	0,0394	0,0472	0,0591
3,9370	8,546	9,130	9,678	10,195	11,154	12,448
4,7244	7,962	8,506	9,017	9,499	10,392	11,598
5,5118	7,484	7,995	8,475	8,928	9,768	10,901
6,2992	7,082	7,566	8,020	8,449	9,244	10,316
7,0866	6,733	7,193	7,625	8,032	8,788	9,807
7,8740	6,425	6,864	7,276	7,665	8,386	9,358

Triple Condition / L (ft)						
(in./ft)	0,0276	0,0315	0,0354	0,0394	0,0472	0,0591
3,9370	9,554	10,208	10,820	11,316	12,025	12,953
4,7244	8,902	9,510	10,081	10,620	11,445	12,328
5,5118	8,367	8,939	9,475	9,982	10,921	11,808
6,2992	7,918	8,460	8,967	9,446	10,335	11,367
7,0866	7,527	8,042	8,525	8,980	9,825	10,965
7,8740	7,183	7,674	8,135	8,569	9,376	10,463

Accepted load for worker and equipment weights other than their self-weights: 30 lb/ft2





Live Loads That Can Be Carried in the Composite Process (lb/ft2)

Slab Depth (in.)	in.	Span / L (ft)						
		3'-3"	4'-11"	6'-6"	8'-2"	9'-10"	11'-5"	13'-1"
3,937	0,028	1245,65	536,31	288,04	173,13	110,71	73,07	48,64
	0,031	1402,67	605,99	327,15	198,09	127,98	85,71	58,27
	0,035	1553,40	672,87	364,69	222,05	144,56	97,84	67,52
	0,039	1697,82	736,96	400,66	245,00	160,44	109,46	73,24
	0,047	1813,36	788,10	429,26	263,16	172,94	118,54	83,23
	0,059	1812,79	787,53	428,69	262,60	172,37	117,97	80,33
4,724	0,028	1664,91	717,53	385,94	232,47	149,10	98,83	66,20
	0,031	1883,14	814,41	440,36	267,22	173,18	116,47	79,66
	0,035	2095,08	908,50	493,20	300,97	196,56	133,59	92,73
	0,039	2300,71	999,79	544,47	333,72	219,24	150,21	105,40
	0,047	2488,68	1083,12	591,17	363,47	239,78	165,20	116,80
	0,059	2488,11	1082,55	590,60	362,90	239,21	164,63	116,23
5,512	0,028	2084,17	898,74	483,85	291,81	187,49	124,59	83,76
	0,031	2363,61	1022,84	553,56	336,36	218,37	147,23	101,05
	0,035	2636,76	1144,13	621,71	379,90	248,55	169,35	117,94
	0,039	2903,60	1262,62	688,28	422,44	278,03	190,96	134,45
	0,047	3163,99	1378,14	753,09	463,78	306,63	211,87	150,36
	0,059	3163,42	1377,57	752,52	463,21	306,06	211,30	149,79
6,299	0,028	2503,43	1079,96	581,75	351,15	225,88	150,35	101,33
	0,031	2844,08	1231,26	666,77	405,49	263,56	177,98	122,44
	0,035	3178,44	1379,75	750,21	458,83	300,54	205,10	143,16
	0,039	3506,50	1525,45	832,09	511,16	336,83	231,71	163,49
	0,047	3839,31	1673,16	915,01	564,09	373,47	258,53	183,93
	0,059	3838,74	1672,59	914,44	563,52	372,90	257,96	183,36
7,087	0,028	2922,69	1261,18	679,65	410,48	264,27	176,11	118,89
	0,031	3324,55	1439,68	779,97	474,62	308,76	208,74	143,83
	0,035	3720,12	1615,38	878,72	537,76	352,54	240,86	168,37
	0,039	4109,39	1788,28	975,90	599,88	395,62	272,46	192,53
	0,047	4514,62	1968,18	1076,92	664,40	440,31	305,19	217,50
	0,059	4514,05	1967,61	1076,35	663,83	439,74	304,62	216,93
7,874	0,028	3341,95	1442,39	777,55	469,82	302,66	201,87	136,45
	0,031	3805,02	1648,10	893,18	543,76	353,95	239,50	165,22
	0,035	4261,80	1851,01	1007,23	616,68	404,53	276,61	193,59
	0,039	4712,28	2051,11	1119,71	688,60	454,42	313,21	221,57
	0,047	5189,93	2263,20	1238,84	764,71	507,15	351,86	251,06
	0,059	5189,36	2262,63	1238,27	764,14	506,58	351,29	250,49



Maximum Passable Span in Composite Process (ft)

Slap Depth (in)	Moving Load / q (lb/ft²)			
	t (inc)	102	153	204
3,937	0,028	10,135	8,619	7,628
	0,031	10,732	9,129	8,080
	0,035	11,274	9,592	8,491
	0,039	11,767	10,014	8,866
	0,047	12,135	10,332	9,149
	0,059	12,105	10,313	9,136
4,724	0,028	11,329	9,722	8,648
	0,031	12,024	10,320	9,181
	0,035	12,660	10,868	9,670
	0,039	13,245	11,373	10,121
	0,047	13,747	11,808	10,510
	0,059	13,715	11,788	10,496
5,512	0,028	12,283	10,626	9,497
	0,031	13,054	11,294	10,096
	0,035	13,763	11,910	10,648
	0,039	14,421	12,481	11,160
	0,047	15,022	13,007	11,632
	0,059	14,990	12,985	11,617
6,299	0,028	13,070	11,389	10,224
	0,031	13,903	12,116	10,878
	0,035	14,672	12,789	11,483
	0,039	15,388	13,414	12,046
	0,047	16,069	14,012	12,586
	0,059	16,036	13,991	12,570
7,087	0,028	13,734	12,046	10,858
	0,031	14,619	12,823	11,560
	0,035	15,438	13,544	12,211
	0,039	16,202	14,216	12,818
	0,047	16,948	14,875	13,415
	0,059	16,916	14,853	13,398
7,874	0,028	14,304	12,620	11,418
	0,031	15,233	13,442	12,163
	0,035	16,095	14,204	12,853
	0,039	16,899	14,916	13,499
	0,047	17,701	15,628	14,146
	0,059	17,669	15,605	14,129

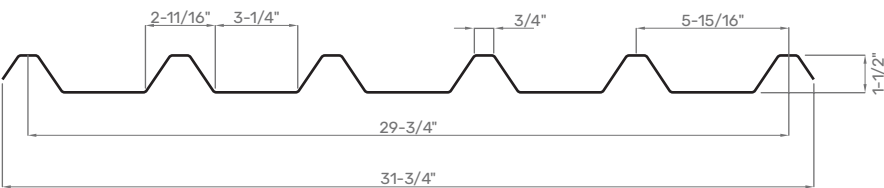


# PRODUCTS

## Galvanized and Painted Galvanized 1-1/2" Trapezoidal Sheet

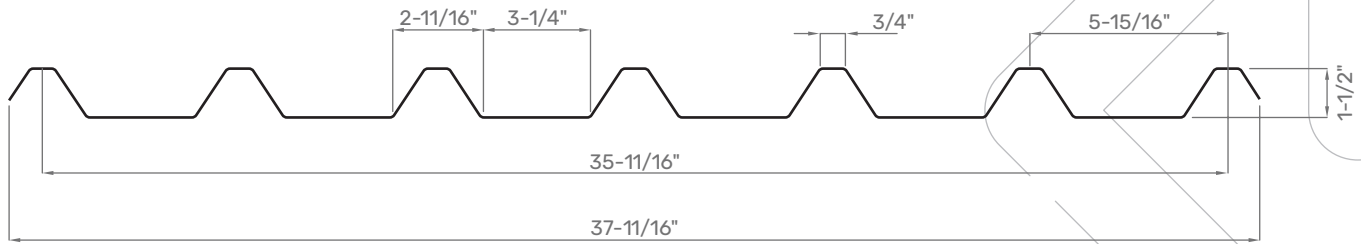
Galvanized and painted galvanized coils are formed in dimensions of 1-1/2" trapezoidal sheets together with 6 or 7 ribs. Form 1-1/2" trapezoidal sheets with 6 ribs have 29.75" net usage width whereas sheets with 7 ribs have 35.687". They can be used on roofs as well as cladding.

Thickness	19 - 31 mil.
Width	31.75 - 37.687 in.
Length	4 - 472 in.
Coat Thickness	G30 - G115
Qualities	Drawing Steel (CS, FS, DDS, EDDS) Structural Steel (33[230], 37[255], 40[275], 50[340])
Paint	Choice of colour from the RAL catalogue
Type of Paint	Polyester, Pvd, Plastisol, PVC



**CS:** Commercial steel (CS Types A, B, and C),  
**FS:** Forming steel (FS Types A and B),  
**DDS:** Deep drawing steel (DDS Types A and C),  
**EDDS:** Extra deep drawing steel,  
**SS:** Structural steel





Sheet Thickness (mil.)	Multiple Spans			
	6,562	8,202	9,843	10,663
20	28,674	18,228	12,698	-
24	35,842	22,734	14,337	-
28	42,806	27,445	19,047	13,518
32	49,974	31,951	22,324	16,385

- Load Table lb/ft<sup>2</sup>
- Limit Values L/200

trapezoidal  
sheet





A large rectangular area with horizontal lines, resembling a ruled page or a form for writing. The lines are evenly spaced and extend across the width of the page.





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