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STEEL PANEL LLC

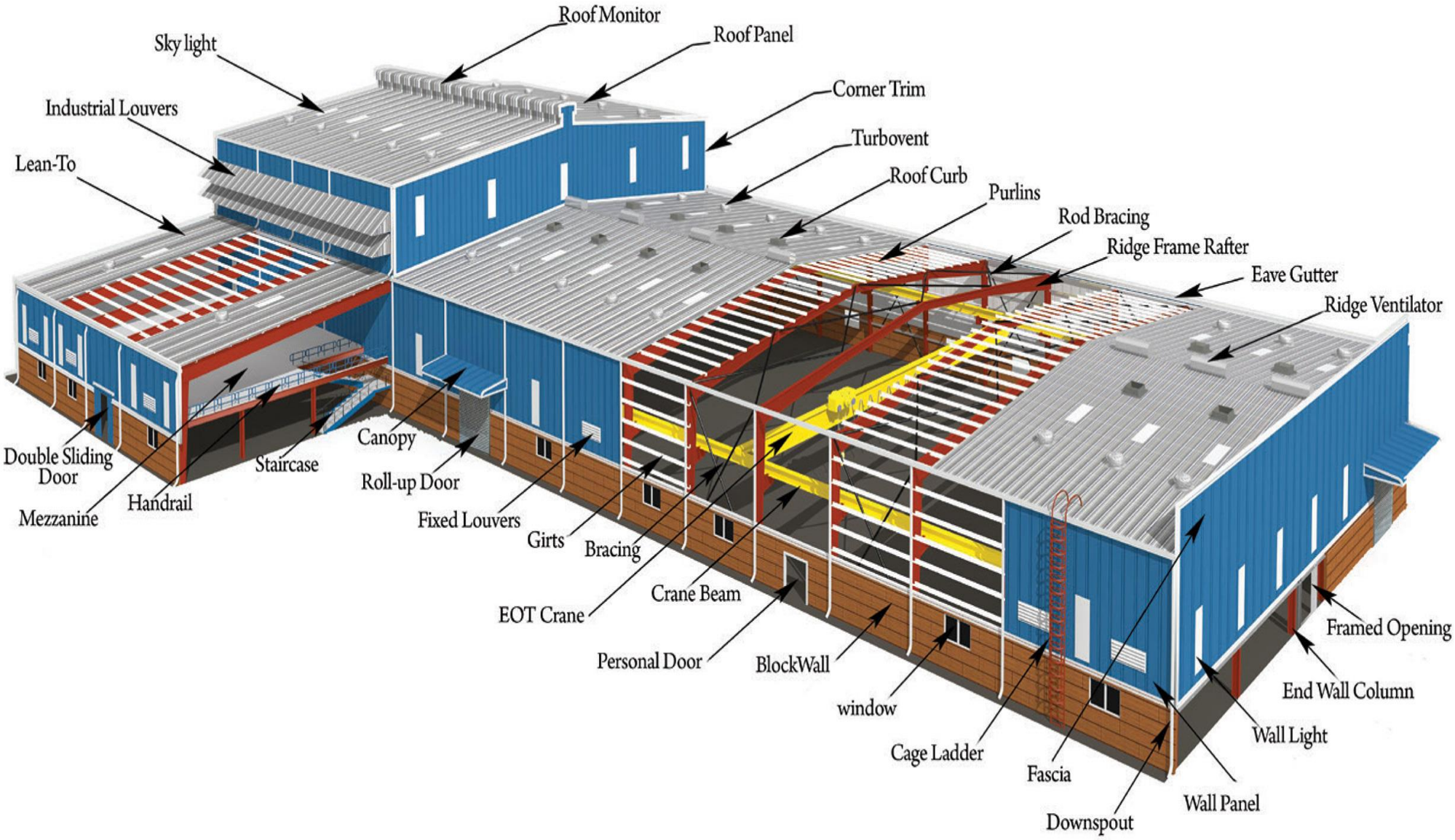
Metal Roofing & Cladding Manufacturer

ACCREDITED
ISO 9001 : 2015
TVEOQ10191295

صنع في عُمان
Made in Oman

25 Years in Bussiness

Products Raw Materials



INTRODUCTION

STEEL PANEL LLC Established in the Sultanate of Oman in 1997, Steel Panel LLC, also known as SP, has evolved over the past two decades to become the premier roofing, cladding, design, engineering, manufacturing and supply services all under one roof. Since then, Steel Panel llc is a major manufacturer of cladding systems for buildings.

OUR SELF

Commitment – We are dedicated to a policy and committed to achieve superior quality and service in all our activities
Teamwork – We strongly believe in combined effective action of a group in pursuing common goal
Perform – We constantly strive to achieve the highest possible standards in our day to day work and in the quality of products and services we provide

We are always keen to fulfill the customer's requirements on the time frame, very competitive prices, excellent after service. So we keep always "the customer satisfied".

OUR THEME

We add value with maximum efficiency. Our seasoned expert team offer free consultations and recommendations to comprehensively assess and create custom ideal solution that solve your needs, requirements and budgetary demands. The guarantee from our management extends far beyond these measures in our quest to set international standards.

As SP, technology, performance and integrity form the three fundamental principles that structure, create and drive our ambition to be industry leaders and competitors. Technology, performance and integrity inform and evolve our supplying, services and operational actions from the group up.

VISION

Our vision is to become the trusted partner in the steel industry renowned for excellence, leadership and greater values. To set benchmark for value creation and excellence, building stronger relationship with clients based on tolerance understanding and mutual cooperation. Providing equal opportunities for employees to grow within the organization.

MISSION

To exceed customer expectation by professional practice in engineering, manufacturing, delivering high quality products and service. We concentrate in achieving growth through diversification, acquisition and expansion. We maintain a superior level of integrity in interaction with business partners and associates. Our employees serve the customer with highest level of technical knowledge.

OUR QUALITY STANDARDS

Quick installation, cost effective (both in terms of money and time of erection), more thermally insulated compare to conventional building materials like concrete, bricks, plywood or gypsum, light weight construction (most of the cases, no need to provide additional supports or reinforcement of existing structure), free from periodic maintenance, long life and a lot more.

Single Skin Profiles

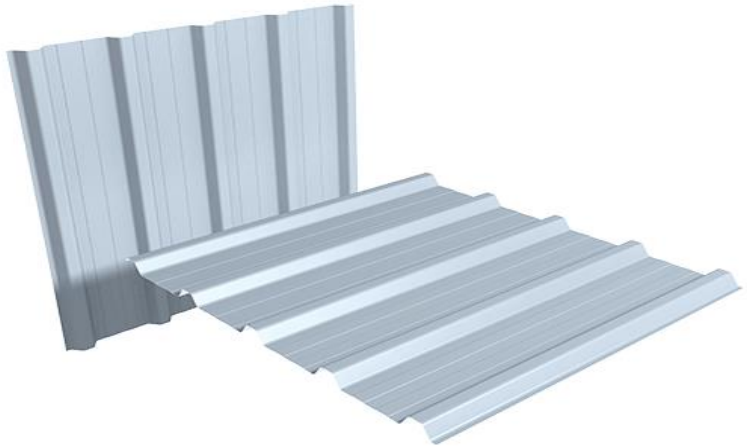
Products Corrugated Profile Sheet (SP 32/250)

STEEL PANEL manufacturing profile sheets, using latest Australian technology and SP has the most advance production facilities.

SP profile sheets offer architects and designers a range of choices for roof and wall cladding and for industrial and commercial buildings. Designed to compromise high static properties with low weight, these sheets are guaranteed to optimize the sensitive costs of the structure while providing safe working platforms.

The main advantages of profile sheets are that:

- They are inexpensive
- Allows quick and rational execution
- Minimum labour required for execution
- Easy to dismantle for building transformations
- Made to site measurement thus eliminating wastages and installation complications
- Modifications and extensions can be done at any time.

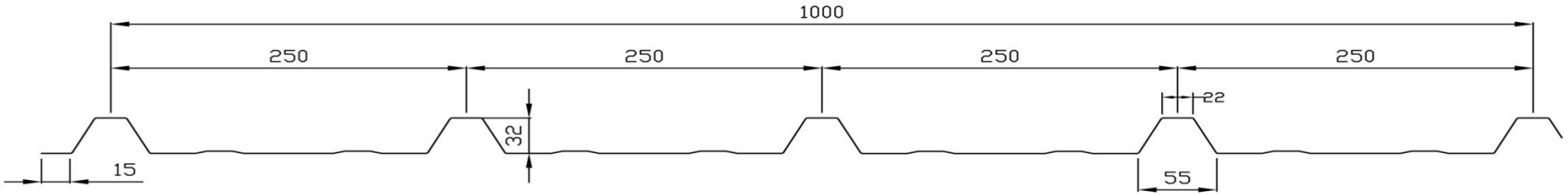


SP supplies profile sheets based on chosen customer parameters such as weight,
strength, durability, surface finish and color. Our dedicated staffs offer the best possible advice for your profile sheet requirement.




Sheet Thickness = 0.3mm to 0.9mm

Sheet Width = 1220mm



Technical Details:	
Usage	Roof & Wall cladding
Colors	Standard RAL- 9002 (Off White) / 9010 (White) / 1001 (ROP Beige) & 1019 (MOD Beige)
Materials Thickness	Galvanized Iron (GI): 0.3 - 0.7 ASTM A653
	Alu-zinc: 0.3 - 0.7 ASTM A653
	Aluminum: 0.5 - 0.9 Alloy A3105 H46
Dimensions	Covering Width: 1000mm
	Length: up to 12000mm
	Profile Pitch: 250mm
	Profile Depth: 250mm
	Crown: 32mm
	Overlap: 15mm
Coating/Finish	Pre-Painted Polyester coating thickness 25 micron top / 5-7 micron bottom
	Mill Finished
Accessories	Curve sheet 32/250, Profile ridge, Flashings, Gutters, Self-Taping Screws, Self-Drilling Screws, Butyl Sealant Tape, Purlin Tape, PVC Tape, PVC Color Caps, Rivets, Filler Blocks, Silicon Sealant, Translucent sheet (Sun light) etc...

Weight Per Liner Meter	Galvanized (Kg/m²)		Aluminum (Kg/m²)	
	GI 28 G	2.50	AL 24 G	1.64
	GI 26 G	3.90	AL 22 G	2.35
	GI 24 G	4.45	AL 20 G	2.90
	GI 22 G	6.80		

Thick mm	Area mm²	Inertia mm⁴	Z top mm³	Z Bot mm³	Aluminium Max Moment Top Fy = 170 KN m	Steel Max Moment Top Fy = 250 KN m	Aluminium Max Moment Bottom Fy = 170 KN m	Steel Max Moment Bottom Fy = 250 KN m
0.5	591	166039	5524	10753	0.64	0.94	1.24	1.82
0.7	827	232444	7705	49651	0.89	1.31	1.73	2.54
0.9	1063	298854	9874	191107	1.14	1.68	2.21	3.24

Data provided for yield stress 250/mm^2

	Gauge	Span Condition	Purlin Spacing C.C. in mm							Weight Kg/m^2
			1000	1250	1500	1750	2000	2250	2500	
GALVANIZED STEEL	GI 28 G		5.13	3.56	2.28	1.53	1.28	1.06	0.67	2.50
			6.16	4.28	2.74	1.89	1.54	1.27	0.83	
	GI 26 G		6.08	3.11	1.80	1.14	0.76	0.53	0.39	3.90
			9.42	5.87	3.39	2.14	1.43	1.00	0.74	
	GI 24 G		7.89	5.05	3.51	2.44	1.63	1.15	0.84	4.78
			9.87	6.32	4.39	3.22	2.47	1.95	1.58	
	GI 22 G		11.00	7.04	4.89	3.41	2.29	1.61	1.17	6.70
			13.77	8.81	6.12	4.49	3.44	2.72	2.20	

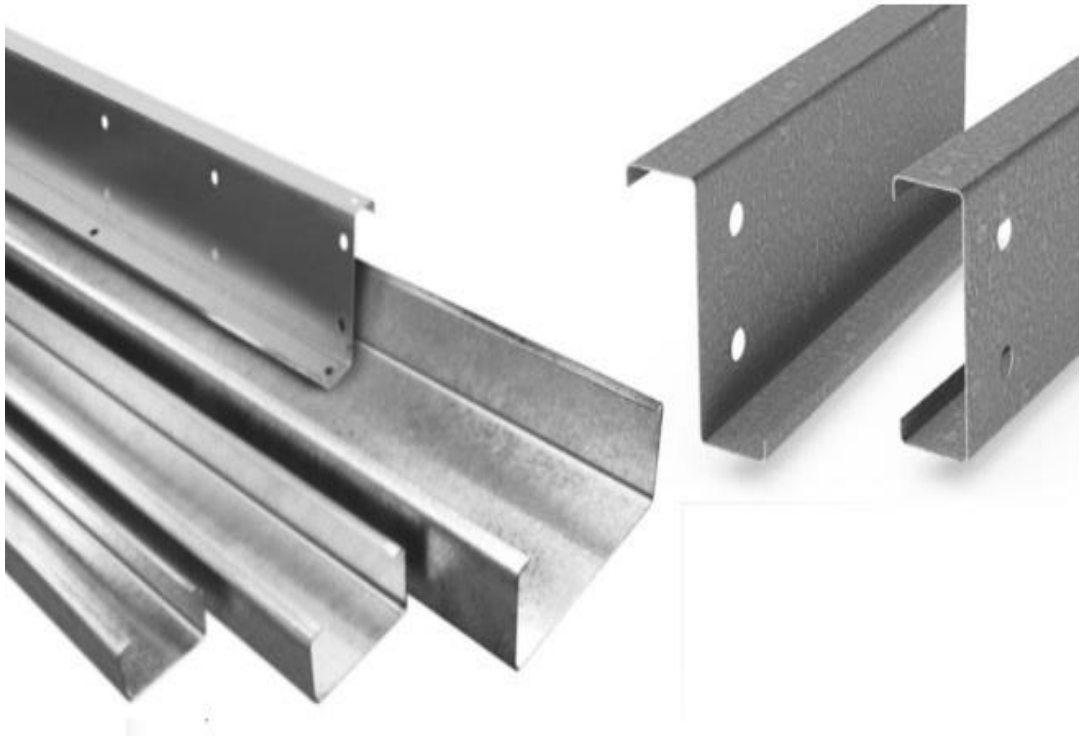
Data provided for yield stress 170/mm^2

	Gauge	Span Condition	Purlin Spacing C.C. in mm							Weight Kg/m^2
			1000	1250	1500	1750	2000	2250	2500	
ALUMINIUM	24 G		4.46	1.83	0.88	0.48	0.28	0.17	0.11	1.64
			6.52	4.18	2.49	1.57	1.05	0.74	0.54	
	22 G		6.25	2.56	1.23	0.67	0.39	0.24	0.16	2.35
			9.10	5.82	3.49	2.20	1.47	1.03	0.75	
	20 G		8.03	3.29	1.59	0.86	0.50	0.31	0.21	2.90
			11.66	7.46	4.49	2.83	1.89	1.33	0.97	

Notes:

Loads in N/M^2 and Deflection L/200
Different Grades/Alloy can be supplied on request
Special colors on request
Longer than 12m is possible, but it required special transportation arrangement by clients.
Specifications mentioned are based on metal supplier specifications.


Z / C Purlins



Products Z & C Purlins

STEEL PANEL Z & C Purlins are high-quality structural components used in the construction industry for providing support to roofs and walls. These purlins are manufactured by Steel Panel LLC, a leading manufacturer and supplier of steel products in Sultanate of Oman.

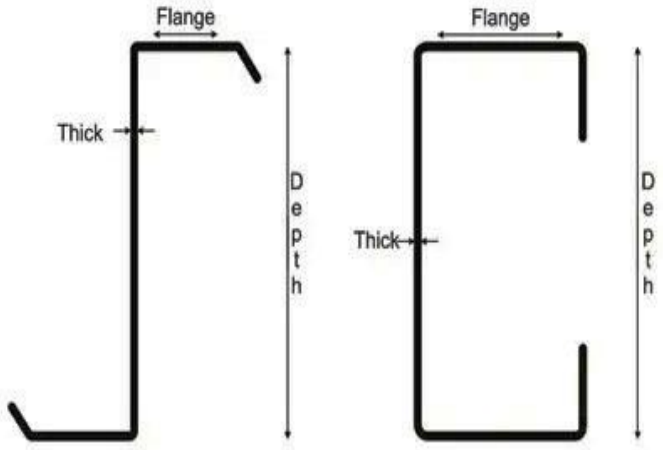
Applications

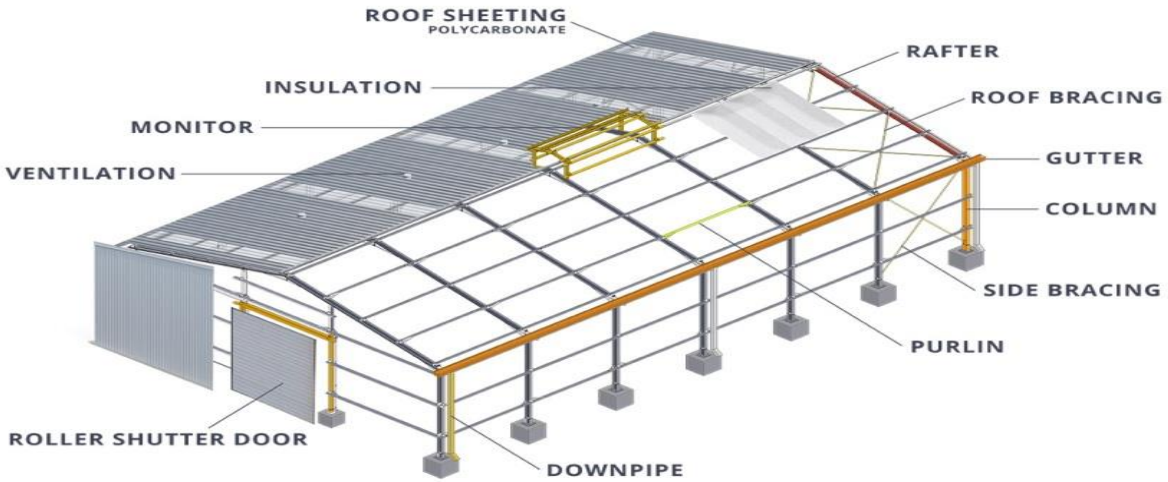
"Z" purlins have a unique shape that allows them to provide superior strength and stability, making them ideal for applications where heavy loads need to be supported. On the other hand, "C" purlins have a standard shape with uniform dimensions, making them versatile and easy to work with during installation. Both types of purlins are made from high-quality steel that is corrosion-resistant and durable, ensuring a long lifespan for the structure they support.

Ultimately, STEEL PANEL Z & C Purlins are a reliable choice for ensuring the structural integrity of buildings in various construction projects.

Materials Specification

Z & C - Purlin product is manufactured from Prime hot dipped galvanized steel to ASTM A653, SS Grade 50 Class 1, (275 gm/m^2) Zink coating, Regular spangle, Chromated & Unoiled and with a minimum yield strength of 430 N/mm^2.





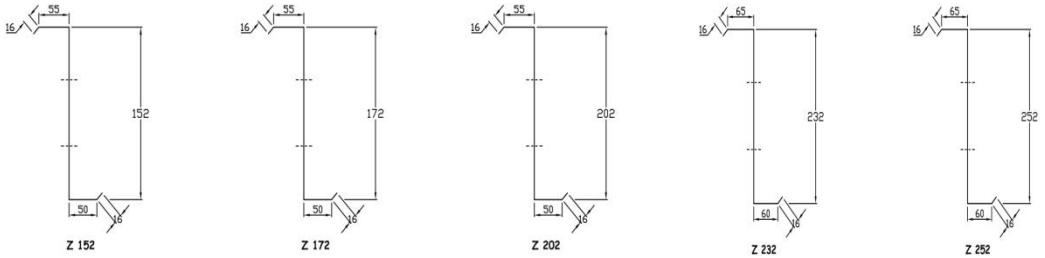
Z & C Purlins Dimensions and Technical Characteristics (with punching (Web L/R Slotted & Web Center punch) as per client requirement).

Z Purlins:

Purlin height (Web Depth): 152, 172, 202, 232, 252, 302.

Flange size: 50mm – 90mm depending upon the height

Thickness: 1.5mm, 2.0mm, 2.5mm, 3.0mm

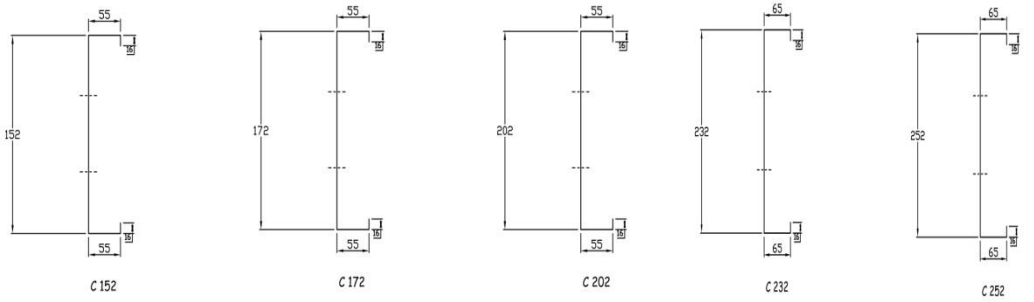


C Purlins:

Purlin height (Web Depth): 152, 172, 202, 232, 252, 302.

Flange size: 50mm – 90mm depending upon the height.

Thickness: 1.5mm, 2.0mm, 2.5mm, 3.0mm



Z - Purlin Technical Properties

General Properties								Section Properties									
Section	Weight kg/m	Area cm^2	Depth mm	Top Flange mm	Bottom Flange mm	Lip mm	Thick mm	Iy cm^4	Iz cm^4	We1,y cm^3	We1.z Cm^3	iy cm	iz cm	Cy cm	Cz cm	My.Rd kNm	Mz,Rd kNm
152 Z 15	3.26	4.16	152	55	50	16	1.50	134.6	31.0	18.74	5.31	5.65	2.71	7.19	5.51	7.55	2.39
152 Z 20	4.30	5.48	152	55	50	16	2.00	176.8	40.1	24.60	6.89	5.63	2.68	7.19	5.48	11.30	3.10
172 Z 15	3.73	4.76	172	55	50	16	1.50	221.1	38.6	25.44	6.09	6.78	2.83	8.69	6.00	9.52	2.74
172 Z 20	4.93	6.28	172	55	50	16	2.00	290.8	50.1	33.47	7.92	6.75	2.80	8.69	5.98	14.61	3.56
172 Z 25	6.09	7.76	172	55	50	16	2.50	358.6	60.8	41.28	9.66	6.73	2.77	8.69	5.95	19.27	4.35
202 Z 15	4.09	5.21	202	55	50	16	1.50	321.7	38.6	31.56	6.08	7.82	2.71	10.19	6.00	11.31	2.74
202 Z 20	5.40	6.88	202	55	50	16	2.00	423.8	50.1	41.57	7.91	7.79	2.68	10.19	5.97	17.49	3.56
202 Z 25	7.19	9.16	202	55	50	16	2.50	562.3	64.9	55.16	10.32	7.76	2.64	10.19	5.94	25.40	4.64
232 Z 15	4.44	5.66	232	65	60	16	1.50	446.1	38.6	38.14	6.08	8.84	2.60	11.70	5.99	13.022	2.734
232 Z 20	5.87	7.48	232	65	60	16	2.00	588.1	50.1	50.27	7.91	8.81	2.57	11.70	5.97	20.342	3.558
232 Z 25	7.27	9.26	232	65	60	16	2.50	726.8	60.8	62.13	9.64	8.78	2.54	11.70	5.94	27.221	4.338
252 Z 15	4.79	6.11	252	65	60	16	1.50	596.2	38.6	45.16	6.07	9.83	2.50	13.20	5.99	14.61	2.73
252 Z 20	6.34	8.08	252	65	60	16	2.00	786.6	50.1	59.58	7.90	9.81	2.47	13.20	5.96	23.14	3.56
252 Z 25	7.86	10.01	252	65	60	16	2.50	972.9	60.8	73.69	9.63	9.78	2.45	13.20	5.94	31.24	4.34
252 Z 30	9.06	11.54	252	65	60	16	3.00	1118.9	69.0	84.75	10.96	9.76	2.42	13.20	5.92	37.44	4.93
302 Z 15	7.10	9.04	302	90	82	16	1.50	1224.4	120.6	80.11	13.74	11.59	3.64	15.29	8.24	25.23	6.18
302 Z 20	7.86	10.02	302	90	82	16	2.00	1355.9	132.9	88.70	15.15	11.57	3.62	15.29	8.23	30.36	6.82
302 Z 25	9.76	12.44	302	90	82	16	2.50	1680.5	162.7	109.94	18.60	11.55	3.59	15.29	8.20	43.42	8.37
302 Z 30	11.27	14.35	302	90	82	16	3.00	1936.1	185.6	126.66	21.27	11.53	3.57	15.29	8.18	53.56	9.57

C - Purlin Technical Properties

General Properties						Section Properties									
Section	**Weight kg/m**	**Area cm^2**	**Depth mm**	**Flange mm**	**Thick mm**	**Iy cm^4**	**Iz cm^4**	**We1,y cm^3**	**We1.z Cm^3**	**iy cm**	**iz cm**	**Cy cm**	**Cz cm**	**My.Rd kNm**	**Mz,Rd kNm**
152 C 15	3.28	4.17	152	55	1.50	136.4	20.1	19.22	4.77	5.68	2.18	7.10	1.80	7.57	2.15
152 C 20	4.32	5.50	152	55	2.00	179.1	26.0	25.23	6.19	5.66	2.16	7.10	1.80	11.32	2.79
172 C 15	3.75	4.77	172	55	1.50	223.5	25.9	25.98	5.52	6.80	2.31	8.60	1.81	9.52	2.48
172 C 20	4.94	6.30	172	55	2.00	294.0	33.6	34.18	7.17	6.78	2.29	8.60	1.81	14.61	3.23
172 C 25	6.11	7.79	172	55	2.50	362.5	41.0	42.16	8.74	6.75	2.27	8.60	1.82	19.28	3.93
202 C 15	4.10	5.22	202	55	1.50	324.8	27.1	32.16	5.61	7.84	2.27	10.10	1.66	11.31	2.52
202 C 20	5.41	6.90	202	55	2.00	427.8	35.2	42.36	7.29	7.82	2.24	10.10	1.67	17.49	3.28
202 C 25	7.21	9.19	202	55	2.50	567.7	45.9	56.20	9.50	7.78	2.21	10.10	1.67	25.41	4.27
232 C 15	4.45	5.67	232	65	1.50	449.9	28.2	38.79	5.68	8.86	2.22	11.60	1.54	13.022	2.555
232 C 20	5.89	7.50	232	65	2.00	593.1	36.6	51.13	7.38	8.83	2.19	11.60	1.54	20.340	3.322
232 C 25	7.29	9.29	232	65	2.50	733.0	44.6	63.19	9.00	8.81	2.17	11.60	1.55	27.220	4.049
252 C 15	4.81	6.12	252	65	1.50	600.8	29.1	45.86	5.73	9.86	2.17	13.10	1.43	14.61	2.58
252 C 20	6.36	8.10	252	65	2.00	792.4	37.8	60.51	7.46	9.83	2.15	13.10	1.44	23.13	3.36
252 C 25	7.88	10.04	252	65	2.50	980.4	46.0	74.84	9.09	9.80	2.12	13.10	1.44	31.23	4.09
252 C 30	9.08	11.57	252	65	3.00	1127.6	52.2	86.08	10.33	9.78	2.10	13.10	1.45	37.44	4.65
302 C 15	7.10	9.04	302	88	1.50	1228.5	84.4	81.36	12.66	11.60	3.04	15.10	2.14	25.26	5.70
302 C 20	7.86	10.02	302	88	2.00	1360.3	93.0	90.09	13.97	11.59	3.03	15.10	2.14	30.35	6.29
302 C 25	9.76	12.44	302	88	2.50	1686.0	114.1	111.65	17.14	11.57	3.01	15.10	2.14	43.25	7.71
302 C 30	11.27	14.35	302	88	3.00	1942.4	130.3	128.63	19.59	11.55	2.99	15.10	2.15	53.22	8.82

Products Sandwich Panel (Roof)

Profiled panel a product of SP manufacturing, combines function and structure to present a building material that keeps the interior environment comfortable.

And it also enables designers to take full advantage of greatly increased panel strengths and reduce the number of internal supports needed.

Profiled panel (PP) is a unique system that combines roof insulation and prefinished ceiling in a sandwich panel.

It incorporates a GI 26G pre-painted steel outer roof profile, a polystyrene core and a steel inner skin with a tongue and groove roll formed edge, pre-painted with polyester finish. Profiled panel is also available in aluminium top skin and aluminium foil as inner skin.

The expanded polystyrene (EPS) panels that we manufacture are both lightweight and highly durable. They're extremely easy to install and can be used both as wall panels and ceiling panels.

Among the many benefits profiled panel offers are:

- Economy, Compare the low cost and high quality of PP with a conventional ceiling, insulation and roof combination.
- Clean lines, resulting from the lower number of span supports required.
- Shorter construction time.
- Efficient thermal insulating properties, helping to minimize air conditioning cost.
- All-in-one roof and ceiling
- Ceiling pre-finished in a light color that requires no painting, offers lower lighting costs and a more spacious feel.
- One-step, simple installation without the need for follow on trades to keep your project on schedule.

Some common uses of these roof and wall insulated panels are as:

- Partitions in offices, Shopping centers, Airport lounges, clean rooms, food processing complexes and bulk storage facilities
- Complete Temperature-controlled cool rooms such as fridges and freezers
- Domestic applications for sheds, carports or garages
- Warehouses and factories

The economical alternative

Profiled panel manufactured in a continuous process, uses a core only one-third the price of equivalent alternative materials.

You will surprise when you compare profiled panel economy with the cost of a conventional roof, ceiling and installation.

- High durability
- Easy, lower-cost maintenance with long-lasting finish
- Waterproofing, through precise mechanical overlapping

Availability

Machinery dedicated to the manufacturing of profiled panel enables an immediate supply of the off-white color coated panel.

Profiled panel with such versatility, strength and reliability, imagine what profiled panel could do for your projects.

What makes profiled panel better:
Some technical facts

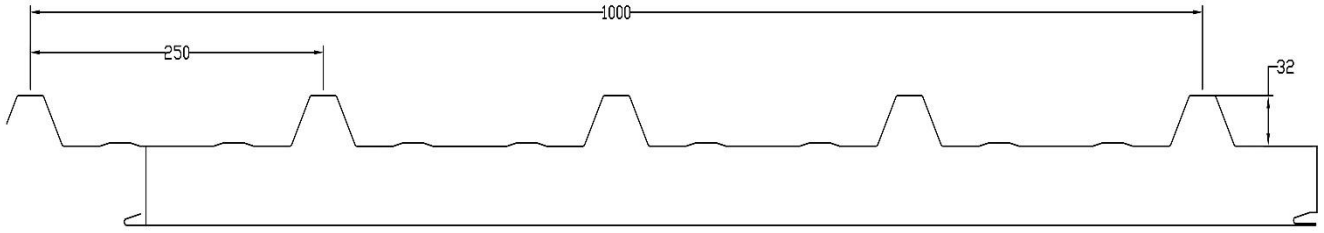
Spanning the clear benefit

The structural strength of Profiled panel with its sandwich construction, offers you the clear advantage of fewer purlins and battens, less fixing time and the possibility of eliminating purlins all together.

The underside face of the panel is totally pre-finished to the nominated colors, forms continuous uninterrupted lines and is lightly profiled to accentuate length. Standard joint system is by a purpose designed male female joint.

Dimensional Data

Cover width: 1000mm
Design Pitch: 32/250
Length: As per customer requirements (Max 12m)
Core Thickness: 50, 75, 100, 125, 150mm
Density: 20 – 35 kg/m3
Colors: Off-white (RAL 9002), ROP Beige (RAL1001)



Weight

The following table demonstrates just how you can take design advantage of the lightweight properties of profiled panel considering 26 Gauge GI top & bottom skins.

Product Profiled panel Thickness	Material Mass in kg/m2 of panel
50 mm	9.9
75 mm	10.4
100 mm	10.9
125 mm	11.4
150 mm	11.9

Water Absorption

High resistance to the adverse effects of moisture is a feature of the expanded polystyrene (EPS) insulation of notified panel EPS has excellent breathability and allows evaporation. It has no capillary action and its core is sealed from internal vapor by a skin of impervious metal cladding.

Accessories

With profiled panel you can plan on no-fuss fixing and fittings from the design stage.
Profiled panel may be readily used with modular windows and doors and conventional building materials for fascia, gutters, plumping, electrical and security fittings.

Conventional building materials such as ridge capping and flashing should be manufactured and installed in accordance with the relevant standards and the manufacturer's installation instructions. Accessories can be obtained direct from manufacturers.

Durability

Profiled panel's long-lasting external surface is protected with specially formulated paint system coatings over galvanized steel, the final layer being a bonded polyester pigment.

Handling

Normal care is all that is required. When stored externally, should be kept off the ground and protected from the rain, to avoid water staining or discoloration.

Technical Support

The manufacturer's technical advisory staff has all the answers to your roofing system problems. Call or write for technical data sheets or to get practical help and the best advice immediately.

SPAN CHART

UNIFORM LIVE LOAD IN KN/M² SPAN IN METER

Panel Thickness	Condition	1.0	1.2	1.5	2.0	2.5
50		2.4	1.58	1.2	0.9	0.64
		2.9	1.96	1.8	1.2	0.93
75		2.6	1.8	1.48	1.2	0.9
		3.4	2.6	1.85	1.8	1.2
100		2.9	2.46	1.65	1.5	1.25
		3.8	2.9	2.3	1.9	1.8
Condition = Top / Bot Skin GI 26G Sheet						

Products SP Cool Panels (S/J Panel)

Steel Panel “COOL PANEL” is a manufactured structural sandwich panel consisting of metal outer faces bonded to a core of fire-retardant polystyrene foam CFC free with a stable thermosetting adhesive.

Our wide range of cool room panels can provide a cost-effective solution if you need a temperature-controlled environment in your warehouse, commercial premises, retail business, workshop or food processing storage.

As a structural sandwich panel cool panel has exceptional strength for its weight. Its method of joint panel to panel as a unique tongue and groove interlocking joint (Slip-Joint) creates a superior weather and vapor barrier, which makes it an ideal building panel.

The strength and spanning ability depends upon the thickness of the panel. The modular nature of the panel system allows building to be relocated or recycled and many examples can be provided that show little or no less of materials.

The cool panel system offers high strength with great reduction in weight. Its ability to free span reduces the need for structural supports and reduces the load on slabs and footings.

Cool Panel is weather resistant and the pre finish surface repels dirt and dust due to the self-cleaning properties during normal rainfall.

Applications

Food Industry

Cold and Freezer Stores
Chillers
Blast Freezers
Processing Plants

General Building

Offices
Factories
Warehouses
Laboratories

Agriculture

Growing Rooms
Animal Housing
Flower storage & Markets
Dairies

Portable Buildings

Accommodation Camps
Equipment Shelters
Caravan Annexes
Residential Houses

Drying Rooms

Ceramic Products
Timber
Fruit

COOL PANEL Standard Specification and Technical Data

Panel Dimensions

Width: 1160 mm standard
Length: As per customer requirements (Limited to 12m by transport and handling conditions)
Thickness: 50, 75, 100, 150, 200mm
Aluminium extrusions are normally mill finished and can be coated to an available colors range.

Panel Spans – External Applications

Pressures on cladding panels subject to external wind pressure require assessment of an Engineer.

Panel Surface and Color

Pre-painted GI 26G steel coil JIS 3312 Z18/ASTMA526

Base metal JIS G3302, CGCC

Skin color is off-white as standard color. Other colors subject to lead time and quantity consideration.

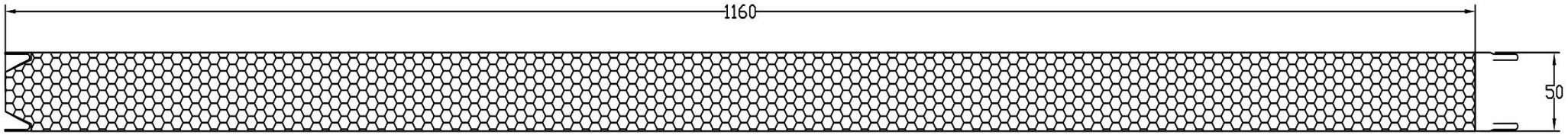
Our Sales Team are available to give you technical support, assistance and advice at all stages of the building development.

Note 1. Panel thickness of not less than 75mm are recommended for chillers and not less than 150mm are recommended for freezers, depending on structural consideration.

Note 2. The above table applies for cold storage rooms constructed wholly within a larger enclosed building. Pressure relief porting is to be provided for a freezer in accordance with manufacturer recommendations.

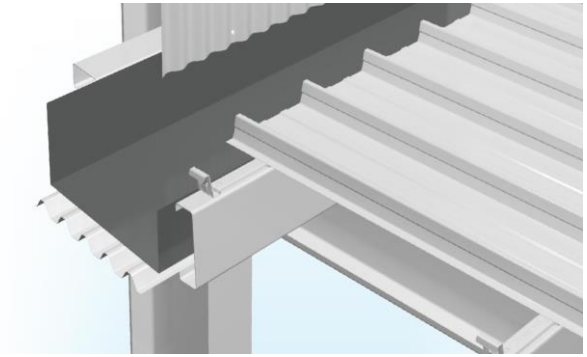
Panel Thickness (mm)	50	75	100	125	150	200
Mass Kg/m^2 (26 GA steel facing sheets)	9.8	10.3	10.8	11.3	11.8	12.8
Panel Spans (26 GA) Internal cold store rooms Wall (mm) - Ribbed (supporting ceiling & doors)	3500	4700	5500	6100	6700	7700
Wall (mm) (not supporting ceiling)	4300	5400	6300	7000	7600	9000
Ceiling (mm) - Ribbed	3200	4300	5000	5500	5700	6500

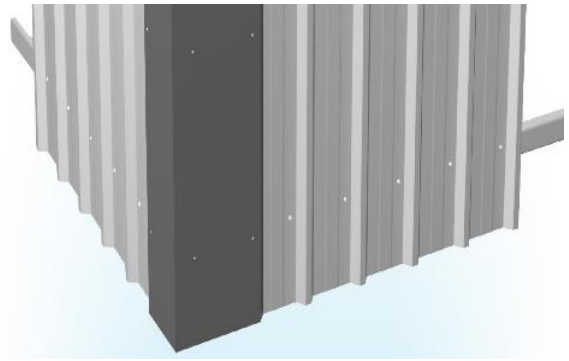
Thermal Performance (Properties at 8 Deg. C)						
'U' Value (W/m^{2}K)	0.76	0.51	0.38	0.31	0.25	0.19
'R' Value	1.31	1.96	2.62	3.28	3.94	5.26

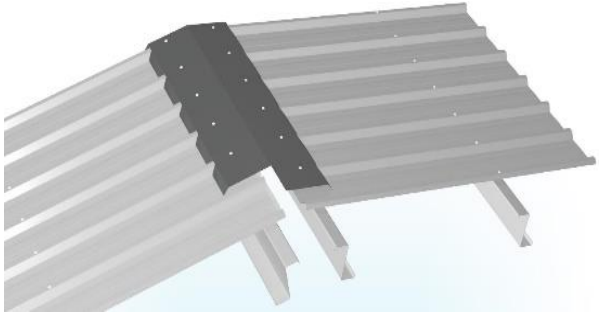


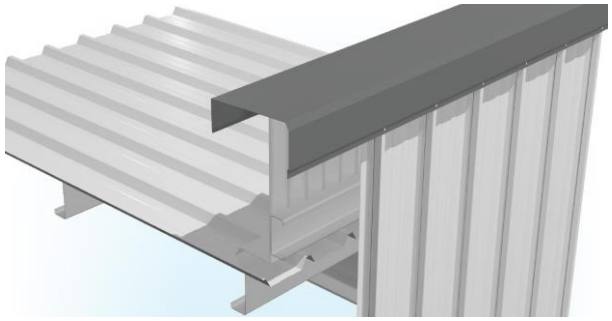
Products Flashing

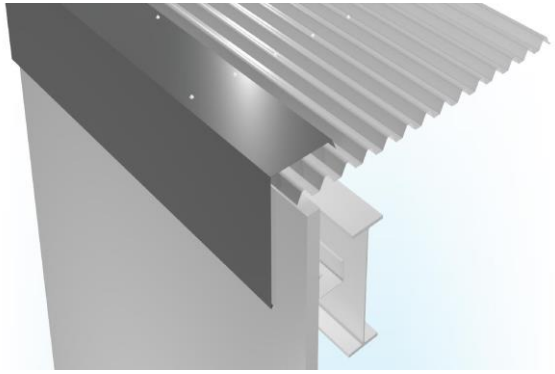
STEEL PANEL can fold a wide variety of standard or custom flashings to suit your needs. Flashings are available in GI, Alu Zinc, Aluminum, Mill finished galvanized. Maximum length of flashings can be up to 3000mm and available thickness from 0.3mm to 2.0mm.

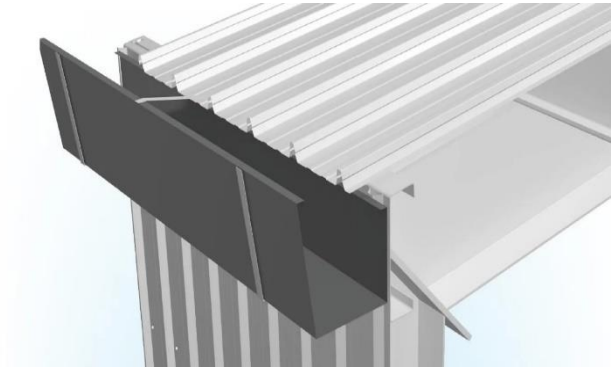


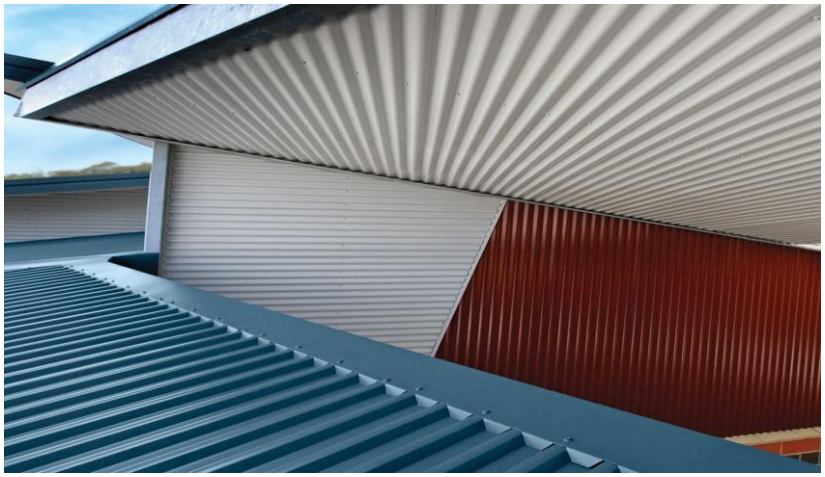












Products GRP TRANSLUCENT SHEET

These clear corrugated roofing sheets allow daylight in at an 80% transmission rate. With the width matching the SP 32/250 corrugated sheet, these clear roof lights offer natural daylight into your property. They are 2.0mm thick, heavy-duty (1,800 grams/m^2) and hard-wearing. A resin-enriched gel coat finish protects against UV radiation and gives a strong life expectancy of in excess of 15 years.

Benefits of using these Roof Lights:

- Dual application: roof or wall
- Brings natural daylight to your indoor space and protects you from intense rays
- Choose from stocked lengths of 3.0m and 3.3m for flexibility in your project
- Get the best of both worlds: lightweight and easy to install, yet still hard-wearing and durable
- Protect yourself from harmful UV rays while enjoying the sun
- Prepared in accordance with AS/NZS 4256.3: 1994
- Thermal conductivity of our translucent sheets are 0.158 W/mk
- Easily fix these panels with simple tools for a user-friendly installation experience
- Take advantage of the ideal growing conditions offered by translucent GRP roof sheets for your plants.

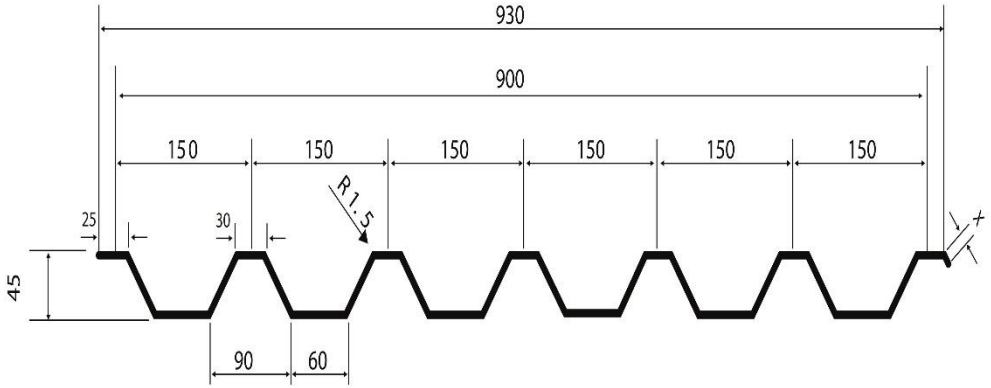
Storage Fixing Standards:

- Store in a cool dry place away from moisture heat, do not put heavy load above the sheets to avoid damage or fracture of sheets
- Fixing screws should have the soft rubber seal washer and steel crown washer (minimum dia 19mm) to hold the sheets against wind load
- Fixing holes must be drilled oversize through the GRP translucent sheet
- Duckboards must be used for foot traffic while fixing or during maintenance
- Side laps and end laps must be fixed with seal tape properly
- Cantilever on GRP sheets must not exceed 200mm

Note: Specifications mentioned above are based on our supplier specifications.

SP GRP sheets standard sizes: 1.0m width x 3.3m Length & 1.0m width x 3.0m Length

Products Metal Decking Sheet

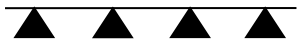


Decking sheets are used as steel roof deck and floor deck. Floor decking sheet sticks very strongly into the concrete with strong rib and hence provide very strong structural platform. Roof decking sheets provide excellent structural platform without need of framing underneath. Roof decking sheets can with stand various types of loads.

Most commonly metal decking is used to support roof systems of a building, multi-story buildings, mezzanines or intermediate floors in a building, steel canopies to provide shade and shelter, floors in commercial structures.

Specifications:

Technical Details	
Base Metal	Pre-Galvanized Steel
Profile	45/150
Thickness	0.7mm
Yield Strength	350 N/mm^2
Size	Length: 6000mm & Covering Width: 900mm
Coating / Grade	Grade (SS GR.50), Zinc G275 coating, ASTM A653

	Thickness (mm)	Span Condition	Purlin Spacing C.C. in mm							Weight Kg/m^2
			1000	1250	1500	1750	2000	2250	2500	
GI	0.7		16.16	10.33	6.44	4.06	2.72	1.92	1.40	7.44
			20.03	12.94	8.99	6.60	5.06	3.70	2.63	

Section Properties (per meter of coverage width)											
Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
(mm)	Kg/m^3	cm^2	ix cm^4	Sx top cm^3	Sx bottom cm^3	Ma KN-m	ix cm^4	Sx top cm^3	Sx bottom cm^3	Ma KN-m	Va KN
0.7	7.433	9.481	27.414	11.227	13.041	3.733	27.511	11.456	12.841	3.809	60.057


STEEL PANEL (L.L.C.)
شركة الواح الصاج (ش.م.م)

WORKING HOURS

From Sunday To Thursday

Morning: 8.00 AM To 1.30 PM

Afternoon: 2.30 PM To 5.00 PM

Saturday: 8.00 AM To 1.30 PM (By Appointment)

ACCREDITED
ISO 9001 : 2015
TVEOQ10191295

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Made in Oman