

PRE-ENGINEERED BUILDINGS



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ABOUT US

SHILPKAR was started in 1997 with the aim of providing Prefabricated Structures in cost effective turnkey packages. As the needs of the building industry grew and diversified, we graduated to Pre-Engineered Buildings. The Company engages itself in design, manufacture, supply and installation of Pre-Engineered buildings & Prefabricated Structures. Our buildings are functional, affordable, and innovative in design and appearance, conforming to international quality standards. Every Building is tailor made to suit specific use, loading, size and locational requirements. The company has the expertise and substantial experience in the field of Prefab & Pre Engineered buildings.



OUR MISSION

Shilpkar India is committed to delivering high-quality and cost-effective projects by nurturing motivated, flexible, and focused individuals. We prioritize the value of relationships and remain fair and honest in our interactions with employees, clients, subcontractors, and partners.

Our goal is to establish long-term relationships with clients based on quality, health and safety, timely service, and anticipating their needs. To achieve this, we treat all employees equitably and involve them in the pursuit of business excellence and quality improvement. This ensures responsiveness and effective execution of projects.



CERTIFICATIONS



Certificate

Application for
Construction Products Regulation (CPR) 305/2011/EU
This is to certify that the Quality System for the Product Group:

Manufacturer of Pre-Fabricated Shelter, Pre-Engineered Buildings, Bunkers, Fencing System, PPGI Roofing, Furniture, Door & Windows, Bio-Digestors & Toilet Blocks and Various kind of Fabrication & Sheet Metal Work.

Defined by the manufacturer as per the CPR
A Product of

Shilpkar (India) Pvt. Ltd.
A-171, ESIP, Phase-1, SIDCUL, Sitarganj, District
Udham Singh Nagar, Uttarakhand-262405, India

Hence manufacturer places the CE marking with his own responsibility as follows:

CE

has been assessed & found in accordance with the requirements of
Construction Products Regulation 305/2011/EU.
QCC is non-notified certification body, issue this
'compliance certificate' after audit of manufacturer product(s) & technical file(s).
This certificate applies to the tested sample only not for whole production.
It's manufacturer sole responsibility to meet all the necessary conformity
assessment activities according to CPR 305/2011/EU and
related standards before placing them on the market & CE mark on the product(s).

Certificate No. : CE/028218/0622
Original Certificate Date : 08 - June - 2022
Issue Date : 08 - June - 2022
Expiry Date : 07 - June - 2025

To check this certificate status visit:
"http://uasl.uk.com/certifiedorganization"


Authorised Signature

For Quality Control Certification
UK Office: 82, Adley Street,
London E5 0DZ, UK





Quality Control Certification accredited by UASL, UK.
This certificate doesn't provide the certified organisation with immunity from its legal obligations.
This certificate remains the property of QC Certification to whom it must be returned on request.



Certificate

This is to Certify that

Shilpkar (India) Pvt. Ltd.
A-171, ESIP, Phase-1, SIDCUL, Sitarganj, District Udham Singh
Nagar, Uttarakhand-262405, India
116, Rohini Complex, WA-121, Mother Dairy Road,
Shakarpur, Delhi-110092, India
has been found in Compliance with requirements of
Quality Management System
ISO 9001:2015
for the following scope:

Manufacturer of Pre-Fabricated Shelter, Pre-Engineered Buildings, Bunkers, Fencing System, PPGI Roofing, Furniture, Door & Windows, Bio-Digestors & Toilet Blocks and Various kind of Fabrication & Sheet Metal Work.

Certificate No. : QMS/016029/0320
Original Certificate Date : 23-March-2020
Issue Date : 22-March-2023
Expiry Date : 21-March-2026

To check this certificate status visit:
"http://uasl.uk.com/certifiedorganization"


Authorised Signature

Quality Control Certification
UK Office: 82, ADLEY STREET,
LONDON - E5 0DZ, United Kingdom
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India







"Quality Control Certification (QCC)" accredited by "UASL, England, UK". This certificate remains the property of "QCC" to whom it must be returned on request.



Certificate

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Shilpkar (India) Pvt. Ltd.
A-171, ESIP, Phase-1, SIDCUL, Sitarganj, District Udham Singh
Nagar, Uttarakhand-262405, India
116, Rohini Complex, WA-121, Mother Dairy Road,
Shakarpur, Delhi-110092, India
has been found in Compliance with requirements of
Environmental Management System
ISO 14001:2015
for the following scope:

Manufacturer of Pre-Fabricated Shelter, Pre-Engineered Buildings, Bunkers, Fencing System, PPGI Roofing, Furniture, Door & Windows, Bio-Digestors & Toilet Blocks and Various kind of Fabrication & Sheet Metal Work.

Certificate No. : EMS/016030/0320
Original Certificate Date : 23-March-2020
Issue Date : 22-March-2023
Expiry Date : 21-March-2026

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Shilpkar (India) Pvt. Ltd.
A-171, ESIP, Phase-1, SIDCUL, Sitarganj, District Udham Singh
Nagar, Uttarakhand-262405, India
116, Rohini Complex, WA-121, Mother Dairy Road,
Shakarpur, Delhi-110092, India
has been found in Compliance with requirements of
Occupational Health and Safety Management Systems
ISO 45001:2018
for the following scope:

Manufacturer of Pre-Fabricated Shelter, Pre-Engineered Buildings, Bunkers, Fencing System, PPGI Roofing, Furniture, Door & Windows, Bio-Digestors & Toilet Blocks and Various kind of Fabrication & Sheet Metal Work.

Certificate No. : OHSMS/016031/0320
Original Certificate Date : 23-March-2020
Issue Date : 22-March-2023
Expiry Date : 21-March-2026

To check this certificate status visit:
"http://uasl.uk.com/certifiedorganization"


Authorised Signature

Quality Control Certification
UK Office: 82, ADLEY STREET,
LONDON - E5 0DZ, United Kingdom
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India







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ABOUT PRE-ENGINEERED BUILDING

PEB is a steel structure built over a structural concept of primary members, secondary members, and the cover sheeting connected to each other. The structural members are custom designed to be lighter in weight and high in strength. It can be fitted with different structural additions like trusses, mezzanine floors, fascia, canopies and crane systems as per user requirements.

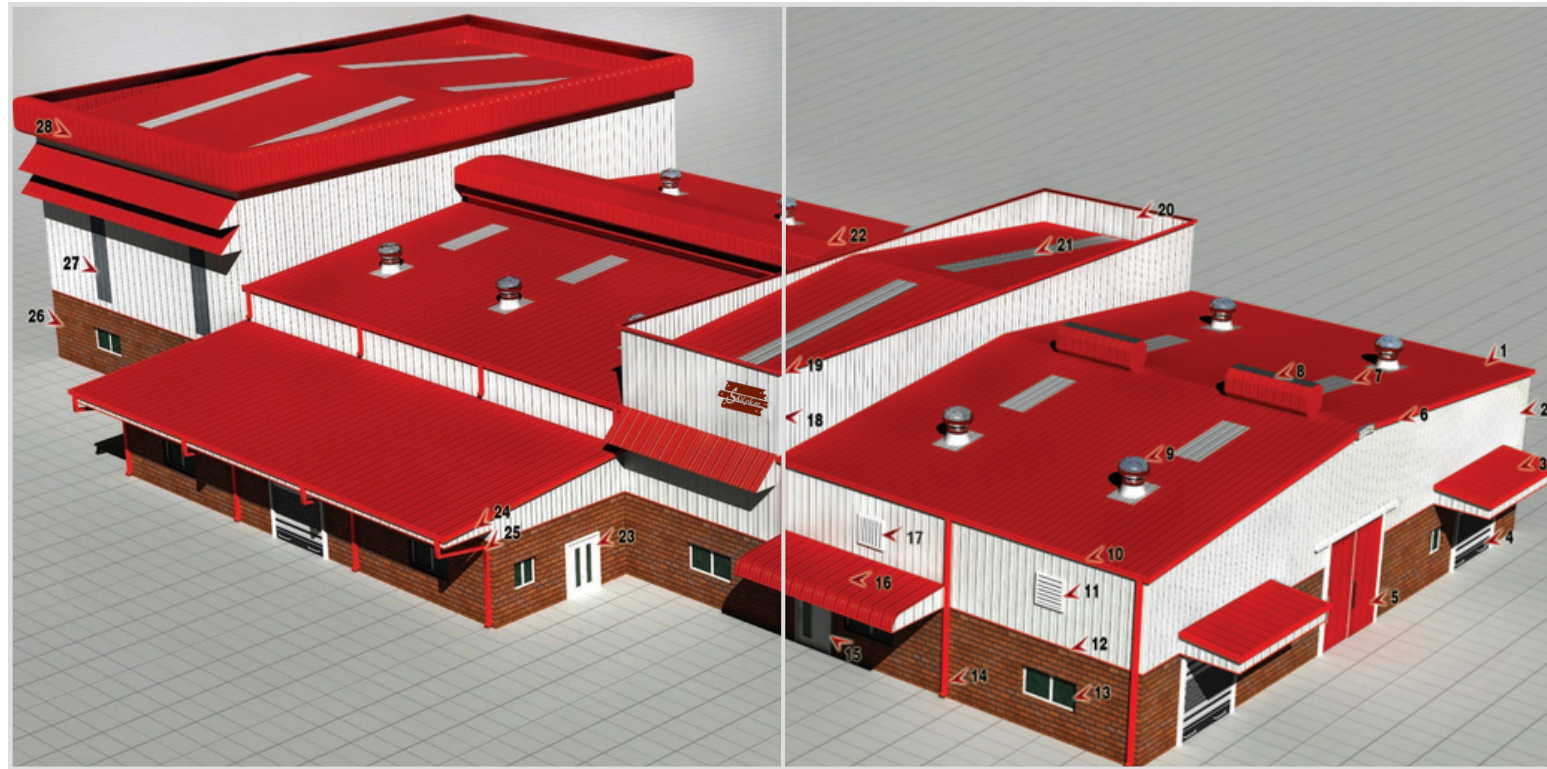
THERE ARE MANY ADVANTAGES OF PEB AS MENTIONED BELOW

- Single source responsibility
- Faster installation
- Economical
- Factory- controlled quality (ISO 9001 Certified)
- Practically maintenance free
- Clear spans exceeding 90 M
- Flexibility in expansion
- Energy efficient roof and wall systems
- Earthquake- resistant

THERE ARE VARIOUS APPLICATIONS OF PEB AS MENTIONED BELOW

- Factories
- Warehouses
- Supermarkets
- Aircraft Hangar
- Metro Stations
- Shipyards
- Showrooms, Workshops, Offices
- Schools, Hospitals, Site Offices
- Stadiums
- Fuel Stations, Bus Shelters, Car Parks
- Shopping Malls / Hypermarkets
- Cold Storages

BUILDING COMPONENTS



1. Roof Panel

2. Wall Panel

3. Canopy

4. Roll Up Door (Manual/Electrical)

5. Double Slide Door

6. Rake Trim

7. Sky Light (Translucent Panel)

8. Ridge Ventilator (With Bird Mesh)

9. Power Ventilator

10. Eave Gutter

11. Louver With Bird Mesh

12. Masonry Trim

13. Window With Insect Screen

14. Downspout

15. Single Walk Door

16. Curved Eave

17. Sandtrap Louver

18. Corner Trim

19. Eave Trim

20. Flush Fascia

21. Strip Skylight

22. Roof Monitor

23. Double Walk Door

24. Roof Extension

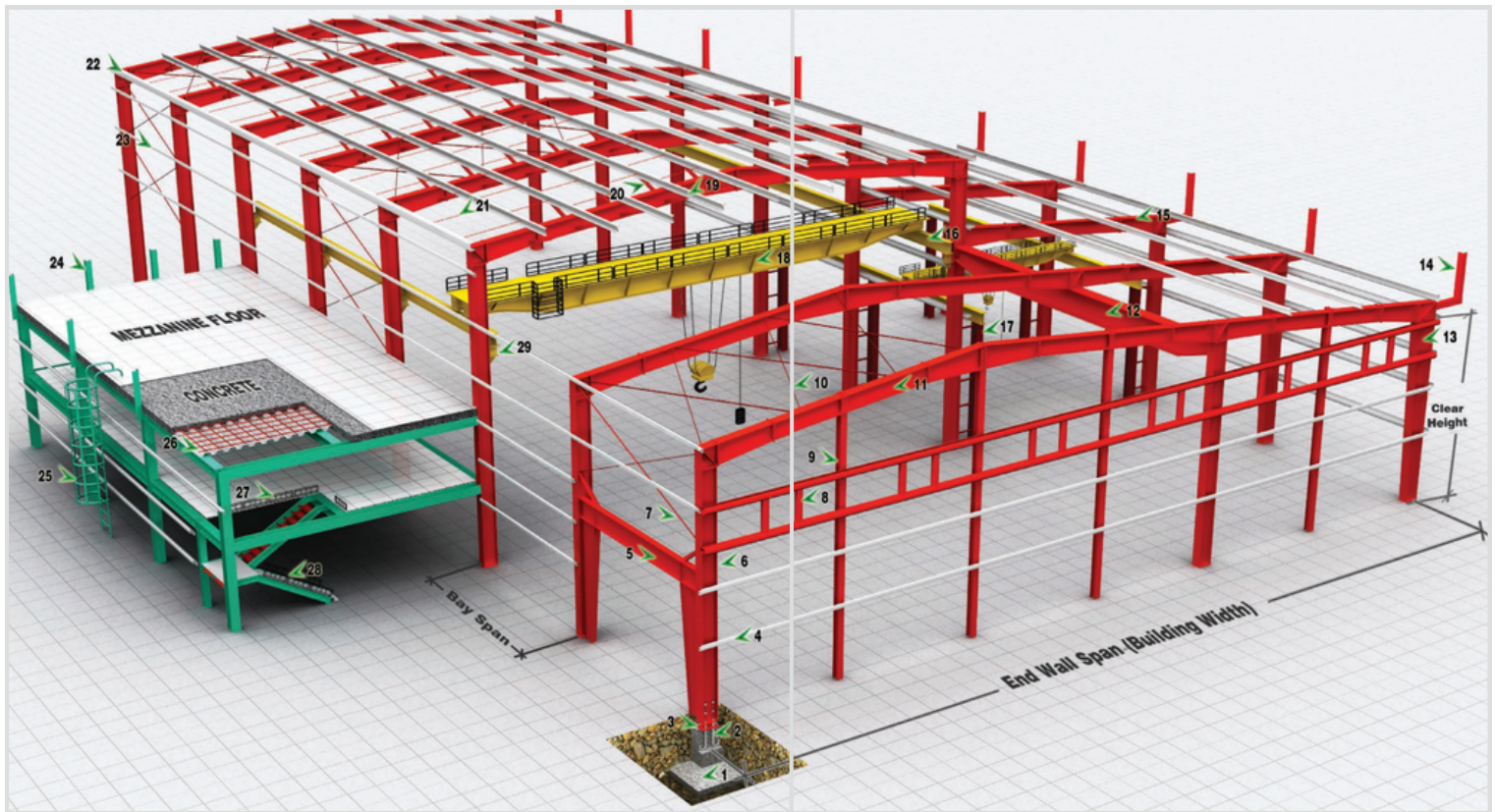
25. Return Downspout

26. Brick Wall

27. Wall Light (Translucent Panel)

28. Curved Cantilever Fascia

BUILDING COMPONENTS (CONTD.)



1. Concrete Footing

2. Anchor Bolts

3. Base Plate

4. End Wall Girt

5. Portal Bracing

6. Main Frame Straight Column

7. Wall Bracing (Angle/Rod/Cables)

8. Framed Opening (Window/Louver)

9. End Wall Wind Column

10. Roof Bracing (Angle/Rod/Cables)

11. Main Frame Rafter

12. Jack Beam

13. Main Frame Tapered Column .

14. Cantilevered Fascia Frame

15. Lean To Frame

16. Crane Beam

17. Crane Column

18. EOT Crane

19. Roof Purlin

20. Flange Brace

21. Sag Rod

22. Eave Strut

23. Side wall Girt

24. Flush Fascia Frame

25. Cage Ladder

26. Deck Panel with Steel Mesh

27. Hand Rail (Steel)

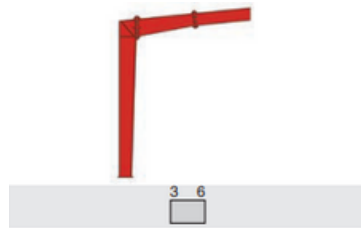
28. Staircase(Checker plate/C channel)

29. Crane Bracket

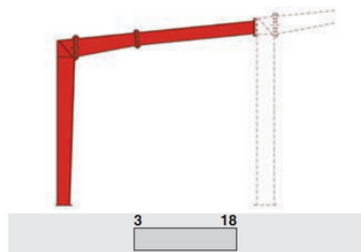
STRUCTURAL SYSTEM

Structural systems are the main load carrying and support members of a pre-engineered building. The shape and size vary based on application and requirements. The main frame members are the main load carrying member of a structural system which include columns, end wall posts, rafters and other main support members.

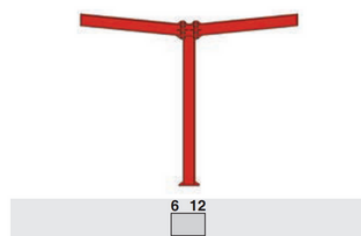
Main Frames



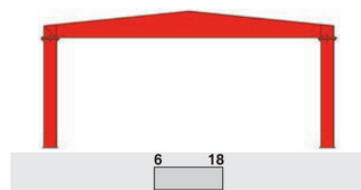
L - CANOPY(L-CAN)



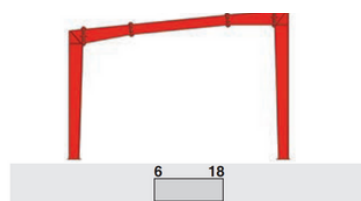
LEAN-TO (L-TO)



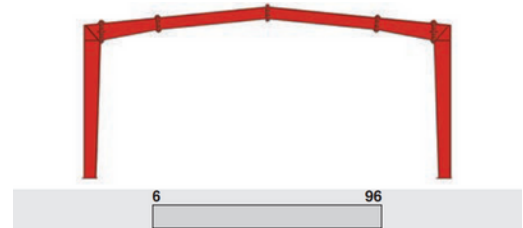
BUTTERFLY CANOPY(T-CAN)



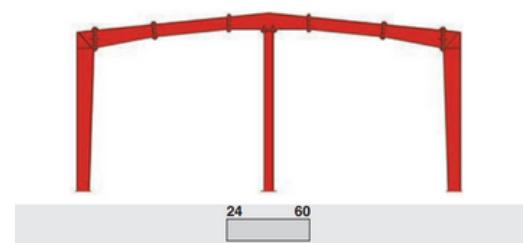
SPACE SAVER (SV)



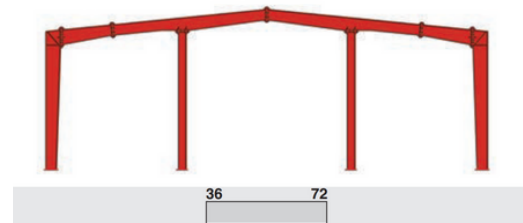
SINGLE SLOPE(SS)



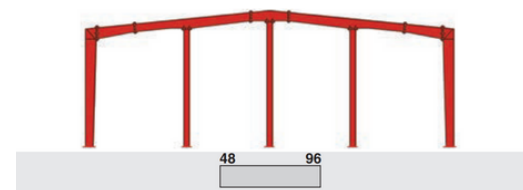
RIGID FRAME (RF)



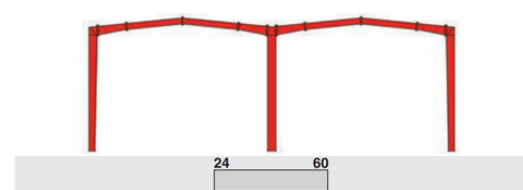
BEAM AND COLUMN(BC-1)



BEAM AND COLUMN(BC-2)



BEAM AND COLUMN(BC-3)



MULTI - SPAN (MS)

All structural steel sections and welded plate members shall be designed in accordance with the applicable sections, relating to design requirements and allowable stresses, of the latest edition of the American Institute of Steel Construction "Specification for the Design, Fabrication and Erection of the Structural Steel for Buildings" General guidelines on recommended frame types for different widths are given below:

Suggested width range (meters) for most economical buildings
Standard Eave Height: 3M-8M; Std Bay Spacing: 6M/7.5M/9M;
Standard Loadings: Live Load; 0.5/0.6/1.0 KN/M², Wind load: 0.75/1.0/1.25 KN/M²

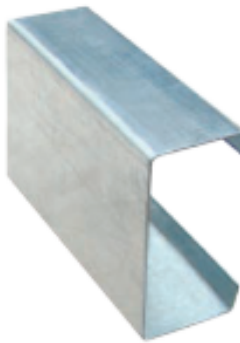
SECONDARY MEMBER

Secondary structural framing refers to purlins, girts, eave struts, wind bracing, flange bracing, base angles, clips and other miscellaneous structural parts.

Purlins, girts and eave struts are cold form steel members which have a minimum yield strength of 345 MPa (50,000 psi) and will conform to the physical specifications of ASTM A1011 (Grade 50) or ASTM A-653 (Grade 50).

C – Section

C- Sections are 200mm deep with a 100mm flange. The flanges are perpendicular to the web and have a 24mm stiffening lip.



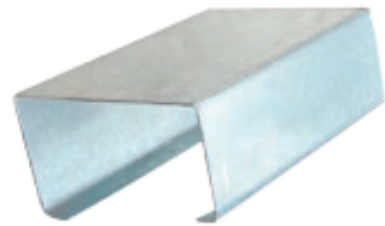
Purlins & Girts

Purlins and girts are roll formed Z sections, 200 mm deep with 64 mm flanges shall have a 16 mm stiffening lip formed at 45° to the flange.



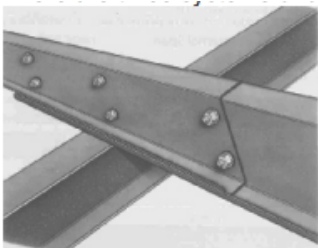
Eave Strut

Eave struts are 200 mm deep with a 104 mm wide top flange, a 118 mm wide bottom flange, both are formed parallel to the roof slope. Each flange has a 24 mm stiffener lip. Structural members are located along the sidewall; at the intersection of the planes of the roof and wall. It is constructed from cold formed 'C' sections and is rolled to suit the roof slope. This member transmit longitudinal wind force on the end walls from roof brace rods to wall brace rods

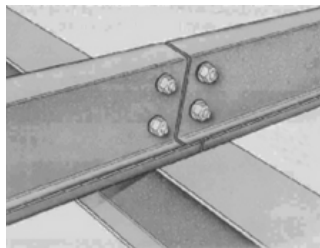


SYSTEM OF CONNECTIONS

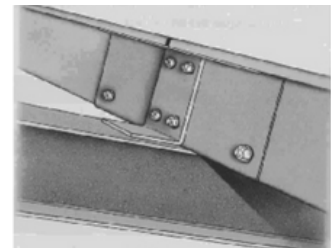
There are three systems of connections based on design of purlin and its connections :



Overlapping



Butt Connection



Sleeve Connection

Panel Profiles

SHILPKAR offers affordable, durable and easy -to-install cladding panels to enhance the visual appearance of our customers buildings.

Hi-Rib Profile

Hi-Rib Roofing system is a combination of both, high strength and corrosion resistance with elegance and flexible design for any building need.

MATERIAL SPECIFICATIONS

Pre - Painted Galvanized Steel Sheets (GI - Base) Hot dipped galvanized pre - painted steel sheet Zinc Alum Steel Sheet (Galvalume) Non-colour (55% Aluminium 43% Zinc 1.6% Silicon) Alu Zinc coating: AZ 150 (Option AZ100)

PARAMETER	DIMENSIONS	ADVANTAGE
Tough Depth	30mm	■ Easy and faster to install, thereby cutting down on project time.
Pitch	200/250mm	■ Light weight there by putting lesser load on structure.
Length	up to 12.0 meter	■ Weather proof.
Thickness Range	0.30 - 0.80 mm	■ Offers wide range of design choices
		■ Aesthetically good looking
		■ Fire resistant
		■ Eco friendly
		■ Better scrap value



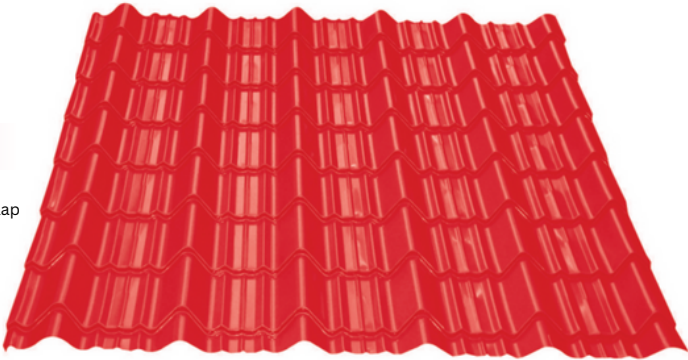
Tile Profile

Our Tile roofing profile is the most versatile roofing product in the market and offers you both elegance and flexible design for any building need.

MATERIAL SPECIFICATIONS

Pre - painted Galvanized Steel Sheets (GI - Base) Hot dipped galvanized pre - painted steel sheet Zinc Alum Steel Sheet (Galvalume) Non-colour (55% Aluminium 43% Zinc 1.6% Silicon) Alu Zinc coating: AZ 150 (Option AZ100)

PARAMETER	DIMENSIONS	ADVANTAGE
Tough Depth	28mm	■ Economical Roof Profile with Excellent design flexibility
Pitch	200/250mm	■ Special side lap corrugation gives extra support at panel overlap
Length	up to 6.0 meter	■ Available in 0.47, 0.50, 0.55, 0.60mm thickness
Thickness Range	0.30 - 0.80 mm	■ Cover width Rib in 1010 mm available upto 13 m in length
		■ 250 mm pitch for easy water shedding



Structural Decking Profile - 44/130 MM

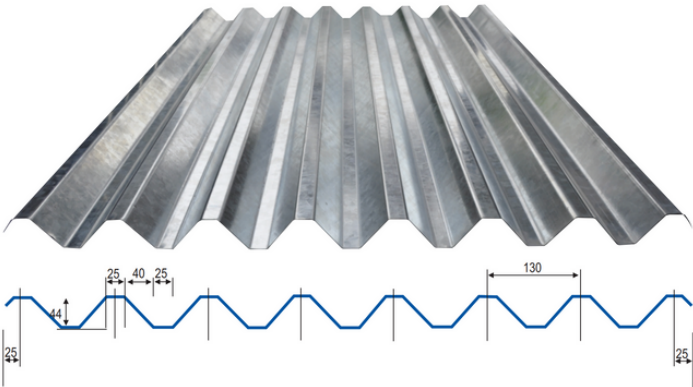
44/130 mm Decks are manufactured from test quality of CR Coils as per IS:513 apart from these material, 44/130mm sections can be rolled from galvanized sheets, Pre-colour coated and bare galvalume sheets. 44/130mm Sections are manufactured in thickness of 0.5mm, 0.6mm, 0.63mm, 0.8mm, 1.00mm, 1.25mm, 1.6mm. 2.00mm and are available in any standard lengths as per customers requirement subject to transport restrictions (upto maximum of 12mtrs length)

MATERIAL SPECIFICATIONS

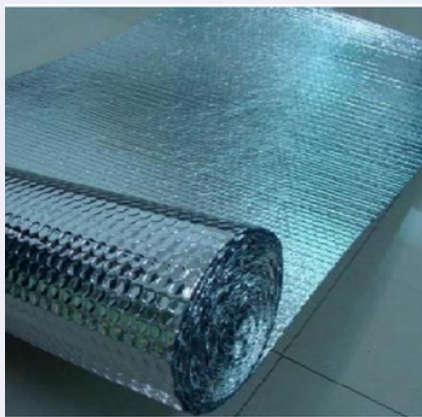
Steel Deck is produced from galvanized and colour coated products as per IS : 513, IS : 277, IS : 14246 and AS:1397-G300-AZ-275

ADVANTAGE

- Ease of installation
- Steel floor deck provides a stable working platform instantly
- Steel floor deck arrives on site in lightweight sheets, cut to length
- Easy to fix using studs, clips and screws
- When installed the deck acts as a diaphragm
- Thinner, lighter slabs

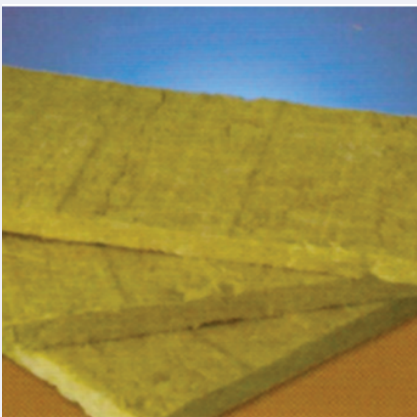


Insulation



Reflectix Insulation

The products commonly used for thermal insulation and radiant barrier applications. It is designed to reduce heat transfer and improve energy efficiency in buildings, homes, and various other applications.



Rock Wool Insulation

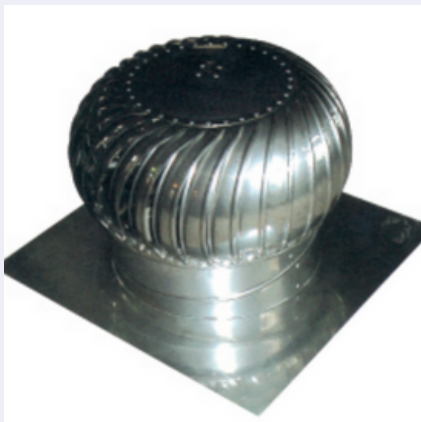
Resin Bonded Slab Consist of Long fine fiber spun from molten natural rock and bonded with thermosetting resin slabs have best combination of thermal insulation, Fire protection and sound absorption properties.



Glass wool Insulation

Uses vertical-hair-shaped glass wool as inner side, colored steel sheets as outer side, after formed by automatically machine, then adhered with super glue. It is good in fireproofing because colored steel sheet and rock wool doesn't flame. It is suitable to be used as roof tile and wall panel in large-size factory.

ACCESSORIES



Wind Driven Roof Vents



ROOF CURBS



SKYLIGHTS AND WALL LIGHTS



RIDGE VENTILATORS



LOUVERS



POWERED VENTILATORS



SAND TRAP LOUVERS



ALUMINIUM WINDOWS



SLIDING DOORS (SINGLE OR DOUBLE LEAF)



WALK DOORS(SINGLE OR DOUBLE)



AIRCRAFT HANGAR DOORS



PRIMARY & SECONDARY BOLTS



SHEETING FASTENERS



SEALANTS



SELF DRILLING SCREWS

OUR SUCCESS STORIES



completed

PEB
STRUCTURE



completed

PEB
STRUCTURE



completed

PEB
STRUCTURE



Work in Progress

PEB
STRUCTURE



completed

PEB
STRUCTURE



Work in Progress

PEB
STRUCTURE



completed

PEB STRUCTURE



completed

PEB STRUCTURE



completed

PEB STRUCTURE

Safety takes precedence at Shilpkar India. Our primary objective is to achieve zero injuries and accidents in all our projects. Through robust reinforcement of safety procedures, immediate response to unsafe acts, and a culture of positive reinforcement for safe behavior, we actively reduce high-risk activities. We hold ourselves to the highest standards in establishing and maintaining secure working conditions and methods. Each individual within our organization bears the responsibility to strictly adhere to safety protocols and legal requirements, collaborating closely with our management team to uphold exceptional health and safety standards. By fostering a safety-first mindset throughout our organization, we create a protected work environment that prioritizes the well-being of all involved. At Shilpkar India, safety is not simply a goal; it is an integral value that influences our daily actions and choices.



If a job cannot be performed in a safe manner, then we will not perform it until a safe alternative is derived.



PRIVATE



GOVERNMENT



CRAFTING THE FUTURE OF CONSTRUCTION SINCE 1997

Join us in revolutionizing the future of building!

SHILPKAR INDIA PVT LTD

**HEAD OFFICE - D - 9, Hosiery Complex, Phase - II Extension, Noida, Gautam Budh Nagar-
201305, Uttar Pradesh, (India)**

**WORKS - A -171, ESIP, PHASE-I SIDCUL , SITARGANJ, DISTRICT. UDHAM SINGH NAGAR,
(UTTARAKHAND) PIN-262405.**

**M- 0120-4299970 E- sales@shilpkarindia.com
+91-8527994737 www.shilpkarindia.in**

