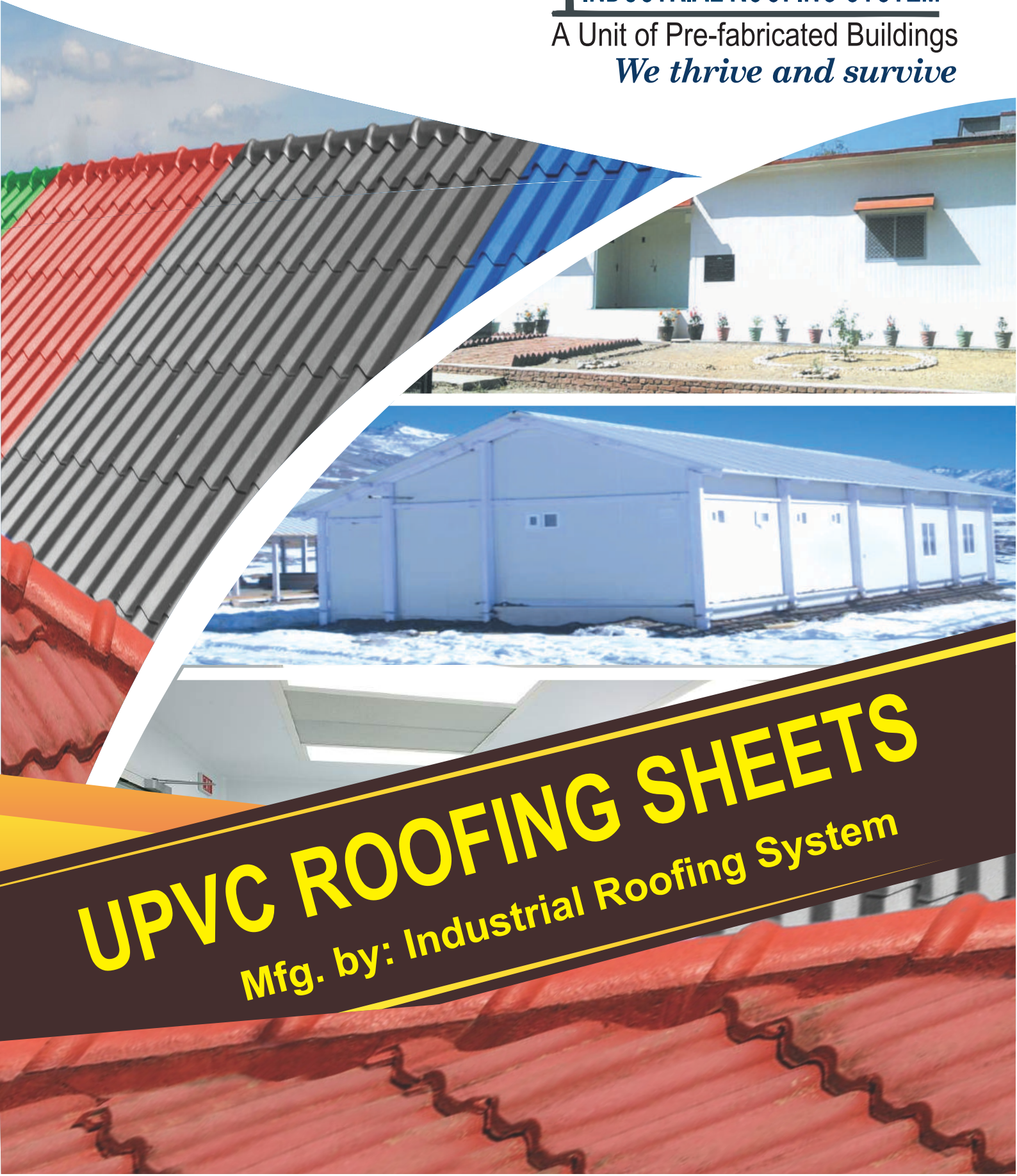




INDUSTRIAL ROOFING SYSTEM

A Unit of Pre-fabricated Buildings
We thrive and survive



UPVC ROOFING SHEETS
Mfg. by: Industrial Roofing System

UPVC Profile

Industrial Roofing System is a professional enterprise, is engaged in the manufacturing of the latest technology based Multi layers UPVC colour coated roofing sheets.

IRS currently has its own Brand “**IRS Colour**” in various types of designs. The quality of **IRS Colour** sheets is reliable, has received consistent high praise from the domestic and foreign customers. At the same time the company has a strong R & D Capability and a perfect after sales service support. So that the customers are more relieved to use our products.

We warmly welcome the buyers at home and abroad to visit our field and take business negotiations.

Why IRS Colour ?

TYPE	ASBESTOS SHEET	METAL ROOF	CERAMIC ROOF TILE	IRS COLOUR UPVC SHEET
STABILITY IN CORROSIVE ENVIRONMENT	UNSTABLE	HIGHLY UNSTABLE	HIGHLY STABLE	HIGHLY STABLE
FLEXURAL STRENGTH	15 MPA	10-15MPA	10 MPA	63 MPA
COMBUSTIBILITY	NOT COMBUSTIBLE WITH MICRO EXPLOSIONS	NOT COMBUSTIBLE	NOT COMBUSTIBLE	NOT COMBUSTIBLE
THERMAL CONDUCTIVITY	0.46 W/M°C	15 W/M°C	0.3 W/M°C	0.1 W/M°C
WEIGHT/100 M ²	1350 KG	420 KG	5500 KG	400 KG
SOUND INSULATION	SIGNIFICANT ABSORPTION OF RAIN AND HAIL NOISE	AMPLIFIES RAIN AND HAIL NOISE	SIGNIFICANT ABSORPTION OF RAIN AND HAIL NOISE	SIGNIFICANT ABSORPTION OF RAIN AND HAIL NOISE
ECOLOGICAL PROPERTIES	CARCINOGENS PRESENT	ECOLOGICALLY CLEAN	ECOLOGICALLY CLEAN	ECOLOGICALLY CLEAN



No Noise



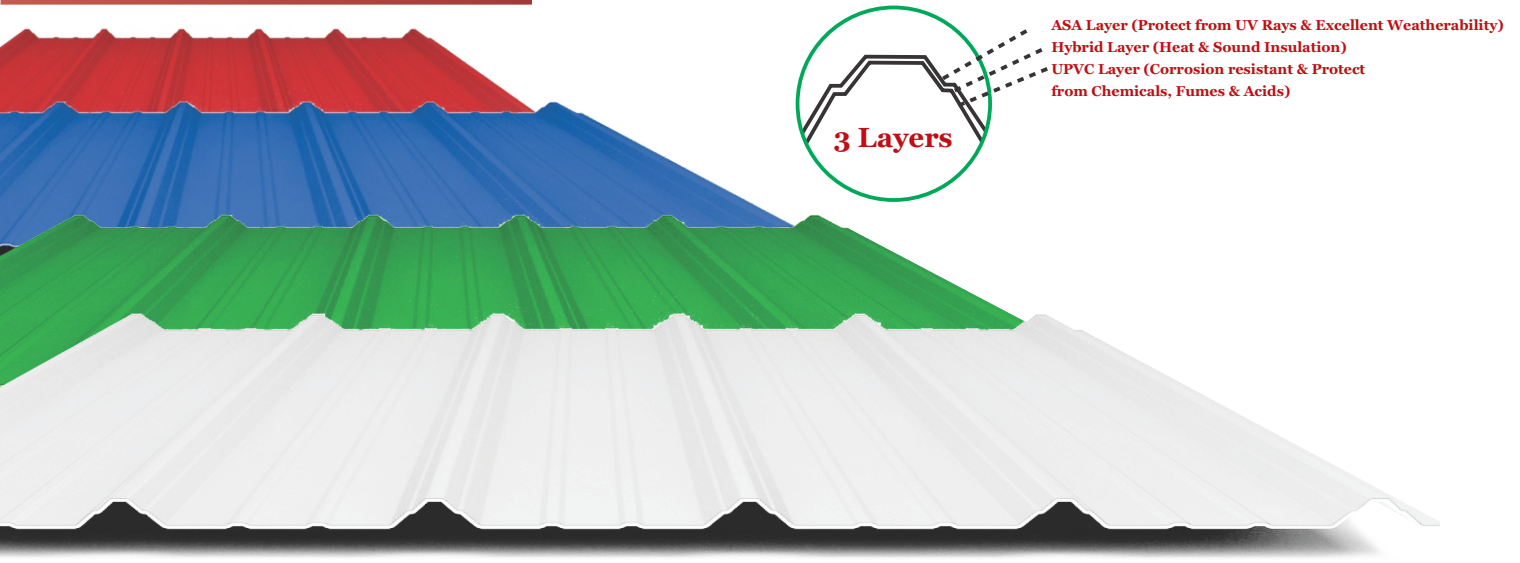
100% Recycling



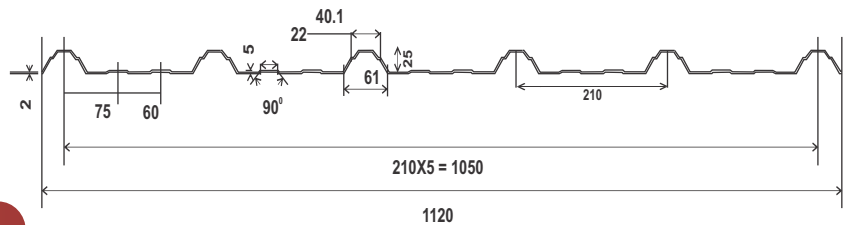
Reduce Cost & Time

Trapezoidal

IRS COLOUR UPVC MULTI LAYER ROOFING SHEETS



Plain -TC001
Embossed - Tc002



Product Specifications

● Thickness	2, 2.5, 3 & 3.5 mm
● Covered width	1050mm
● Supplied width	1120m
● Wave height	25mm
● Wave width	61mm
● Center to center wave width	210mm
● Length	As per customer requirement
● Colour	<u>Blue</u> / <u>Green</u> / <u>White</u> / <u>Red</u> / <u>Grey</u>
(Customized as per customer requirement)	

Industrial

Industrial Sheds
Commercial Buildings (warehouse, malls, parking sheds, plaza etc)
Paper Mills
Printing Press
Dairy Farms

Institutional / Residential

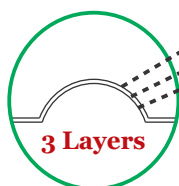
Resorts, Farm House, Banquet, Bungalow, House, Restaurants, Cottage, Schools, Hospitals, Auditorium, Sports Academy, Indoor Swimming Pools

Best Recommended

Chemical Factories
Galvanizing Plants
Textile Industries
Meat Processing Plants
Food Factories, Poultry Farm
Areas with high humidity and Chemical Vapours etc

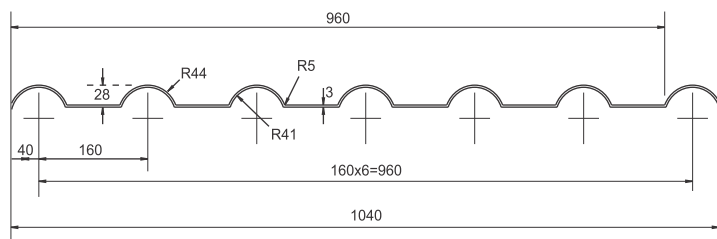
Glazing Tile

IRS COLOUR UPVC MULTI LAYER ROOFING SHEETS



ASA Layer (Protect from UV Rays & Excellent Weatherability)
Hybrid Layer (Heat & Sound Insulation)
UPVC Layer (Corrosion resistant & Protect from Chemicals, Fumes & Acids)

3 Layers



Plain -TC006
Embossed - TC007

Product Specifications

● Thickness	2.5, 3 & 3.5 mm
● Covered width	960mm
● Supplied width	1040mm
● Wave height	28mm
● Wave width	80mm
● Center to center wave width	160mm
● Length	As per customer requirement
● Colour	Blue/ Green/ White/ Red/ Grey

(Customized as per customer requirement)

Industrial	Institutional / Residential	Best Recommended
Industrial Sheds Commercial Buildings (warehouse, malls, parking sheds, plaza etc) Paper Mills Printing Press Dairy Farms	Resorts, Farm House, Banquet, Bungalow, House, Restaurants, Cottage, Schools, Hospitals, Auditorium, Sports Academy, Indoor Swimming Pools	Chemical Factories Galvanizing Plants Textile Industries Meat Processing Plants Food Factories, Poultry Farm Areas with high humidity and Chemical Vapours etc
APPLICATIONS		

INSTALLATION GUIDE

Installation Tools

Construction Lines
Sleeve
Portable Drill
Portable Toothless Saw
Portable Polisher
Spanner
Tape

Sheet Thickness

2mm
2.5mm
3mm
3.5mm

Distance between purlins

600mm
750mm
900mm
1050mm

Lifting:-

When lifting the sheets to the roof the pile quantity cannot exceed 20 pieces & keep the roof sheet flat.

Installation:-

The installation should be started from the edge of the roof.

At lateral direction, overlapping at least one wave.

At lengthways direction, overlapping should be 20- 25cm.

If the roof slope is less than 20° Degrees then overlapping should be at least 40 cm.

In the heavy wind area, overlapping 2 waves at lateral direction, overlapping at least 40cm (Lengthways) per square meter.

Installation of the top ridge :-

During the installation of two slope roof, it should be started from two slopes simultaneously in order to keep the tile peak in same direction.

Top ridge is installed on the ridge line.

Installed from one side of the main ridge on the joint of the first main ridge and the main tile, overlapping should be avoided.

To overlap one wave unit between two top ridge tiles.

Fix the tapping screw:-

After confirming the overlapping is correct, fix the tapping screw with cap on washer.

Screw can only be fixed on the wave.

Before fixing the screw, need to pre drill on the roof sheet (not on the purlin).

If the tapping screw diameter is 6.3mm, need to pre drill a hole of 7mm or 8mm.

Tapping screw cannot be fixed too tight, it's too tight, the sheet will bend or cause crack.

Tapping screw cannot be fixed too loose, if the screw is fixed too loose, the roof will penetrate.

Tapping screw need to be fixed only above the purlin.

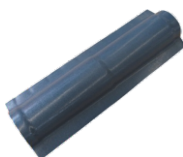
If the screw is fixed on the position without purlin, it might break the sheet.

Suggest 6 sets tapping screw per square meter while fixing sheets & top ridge.

Screw cap keep the grip safe & strong and also protect from the corrosion.

Accessories

Top Ridge



Tc111

Top ridge tile



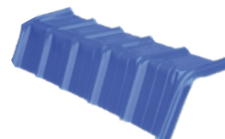
Tc112

Tc113

Tc114

Tc115

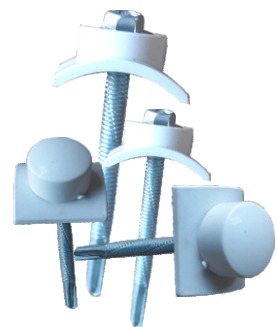
End cap

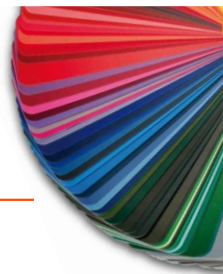


Water Gutter

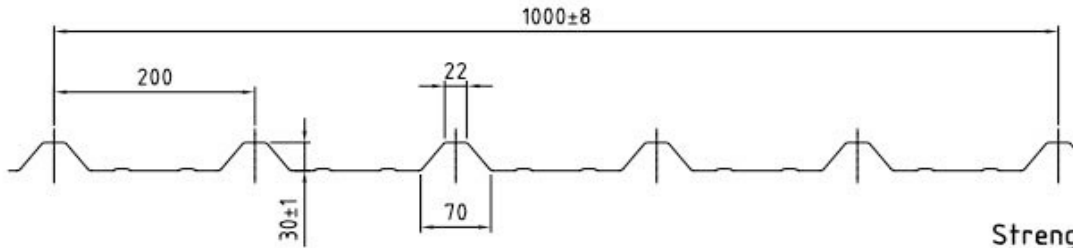


Three way ridge





HI-RIB

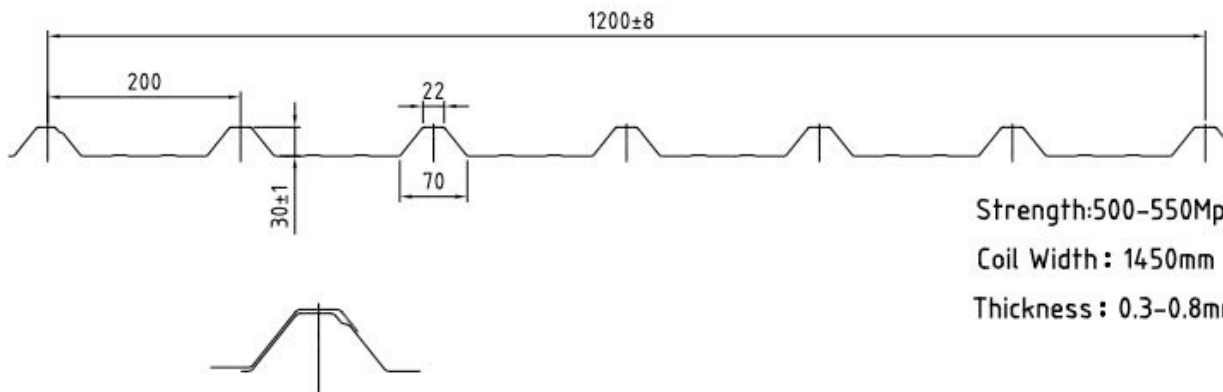


Strength: 500-550Mpa

Coil Width : 1220mm

Thickness : 0.3-0.8mm

WIDER



Strength: 500-550Mpa

Coil Width : 1450mm

Thickness : 0.3-0.8mm

Product Specification	PPGI	PPGL	BARE Galvalume
Thickness (mm)	0.30-0.80	0.30-0.80	0.30-0.60
Supplied Width (mm)	1060/1220	1060/1220	1060/1220
Covered Width(mm)	1000/1200	1000/1200	1000/1200
Length	AS PER REQUIRED		
Yield Strength	240MPa, 550MPa	550MPa	550MPa
Coating	70gsm, 120gsm	AZ-70, AZ-150	AZ-70, AZ-150
Paint System	RMP*	RMP/SMP/PVDF*	-
Colour	As per RAL code customers requirement		
Guard Film	AS PER REQUIRED		

*RMP: Regular Modified Polyester Paint

*SMP: Silicon Modified Polyester Paint

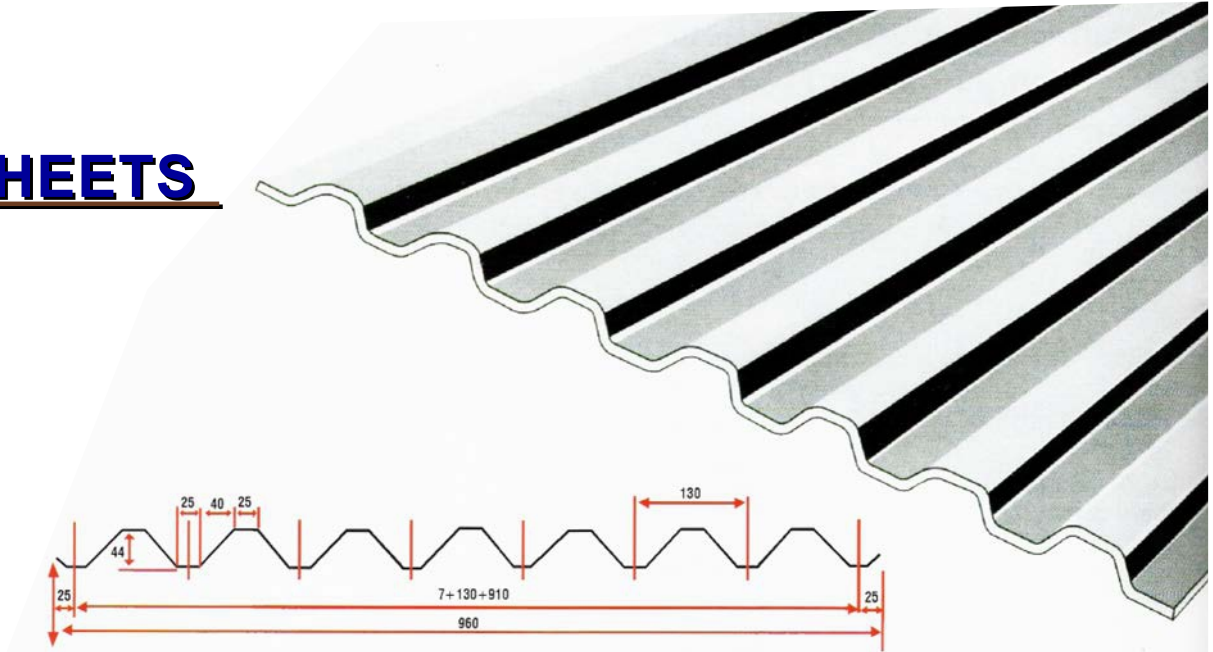
*PVDF: Polyvinylidene Difluoride



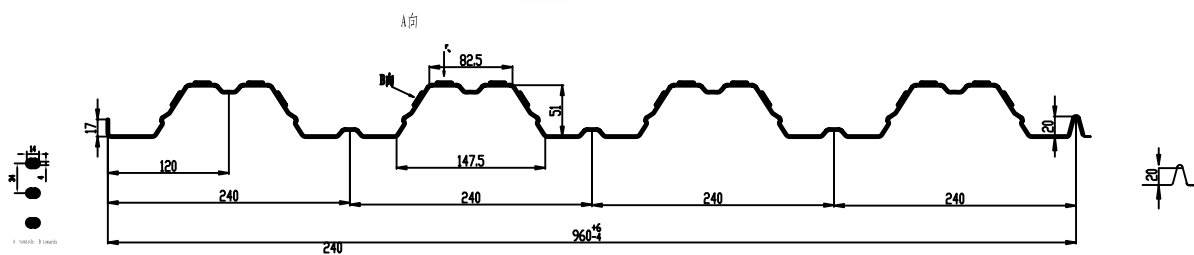
3001 Signal Red 3011 Brick Red 3013 Tomato Red 5012 Light Blue 5015 Middle Sky Blue 5019 Capri Blue 6002 Leaf Green 6021 Pale Green 6025 Bracken Green 9002 Grey White 9010 Pure White

DECK SHEETS

44/130



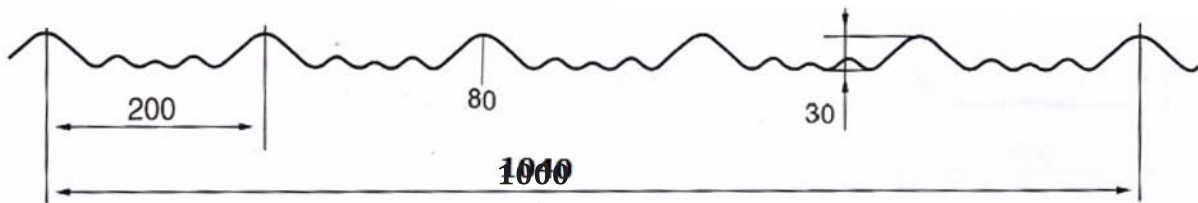
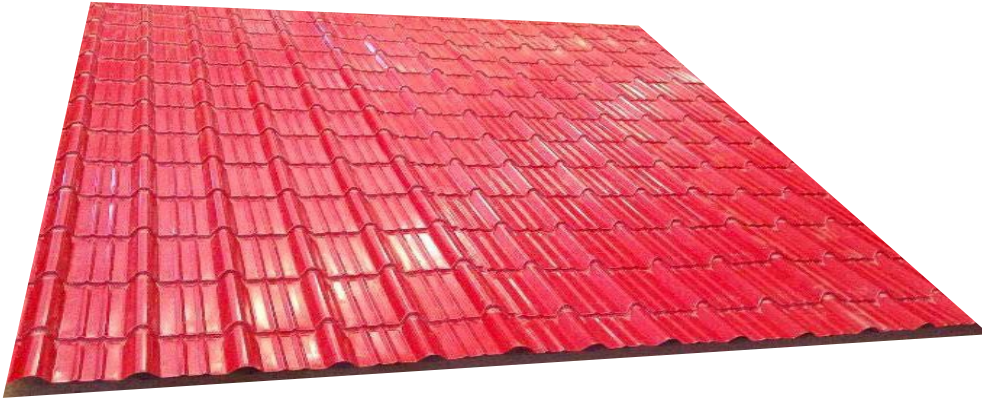
51/240



Product Specification	Decking Sheet 44/130	Decking Sheet 51/240
Thickness(mm)	0.60-1.2	0.80-1.6
Supplied Width (mm)	960	990
Covered Width(mm)	910	960
Length	As Per Required	
Yield Strength	240MPa/340MPa	
Crest height(mm)	44	51
Pitch(mm)	130	240
Material	Galvanized (GI) & Cold Rolled (CR)	

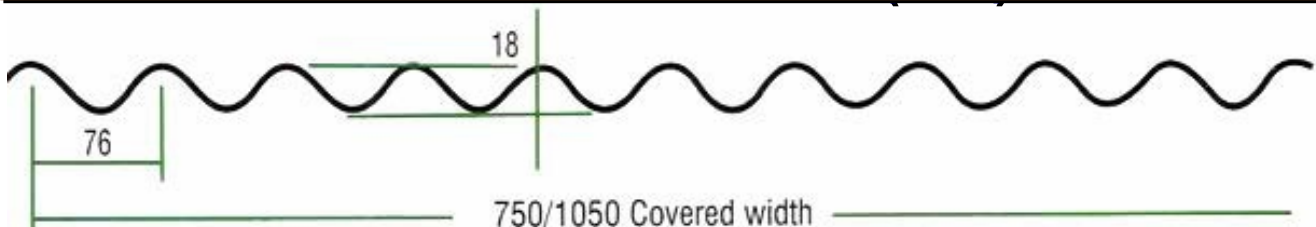


TILE PROFILE SHEETS



Product Specification	Tile Profile
Thickness(mm)	0.30-0.50
Supplied Width(mm)	1040
Covered Width(mm)	1000
Length(mm)	As per required
Yield Strength	240MPa
Depth (mm)	30
Pitch (mm)	200
Coating	120gsm

GALVANISED CORRUGATED (GC) SHEETS



Thickness(mm)	Width(mm)	Length (mm)
0.16 - 0.20	800	2440,3050, 3660,4250,4660
0.25 - 0.63	800, 1200	
Coating Thickness		120GSM
Material Quality		Galvanised Full Hard
Surface Finish		Regular Spangle
Specfications		As per IS 277- 1994
Application		Roofng/cladding

Gable Trim 2.5 mtr. long 	Fascia Trim 2.5 mtr. long 	Eave Trim 2.5 mtr. long 
Profiled Ridge 1mtr. long 	Flat Ridge 2.5 mtr. long 	Tapered Ridge 2.5 mtr. long 
Deep Valley 2.5 mtr. long 	Valley 2.5 mtr. long 	Wall Flashing 2.5 mtr. long 
Top Ridge 2.5 mtr. long 	Downtake Pipe 3 mtr. long 	Screws 



RIDGECAP



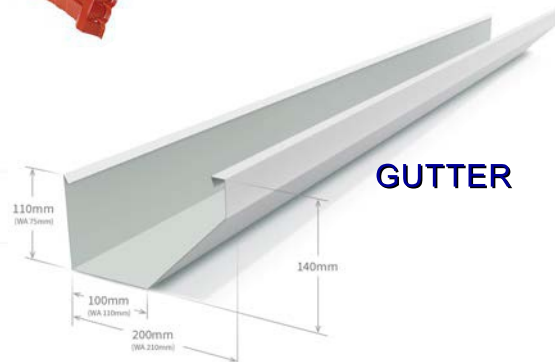
CURVE SHEET



CURVE CORNER

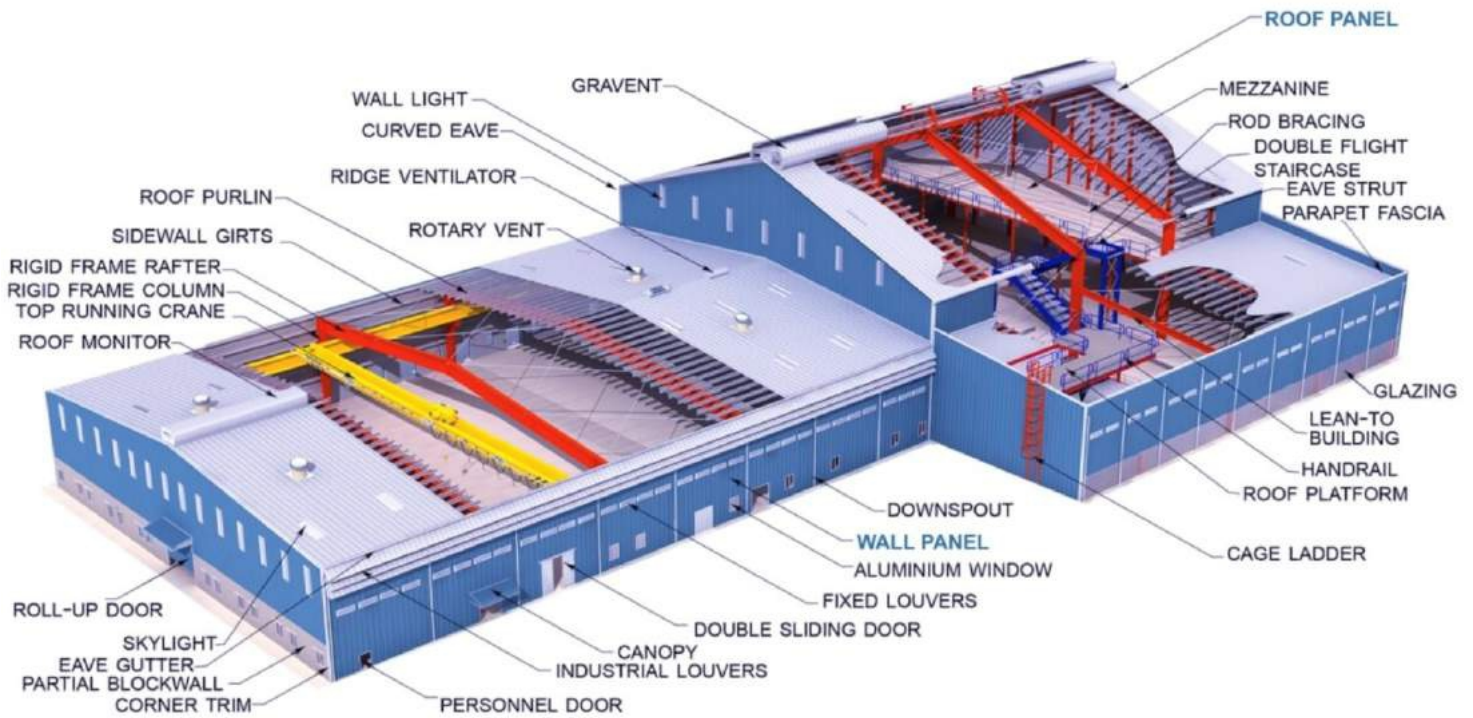


TURBO VENTILATOR



GUTTER

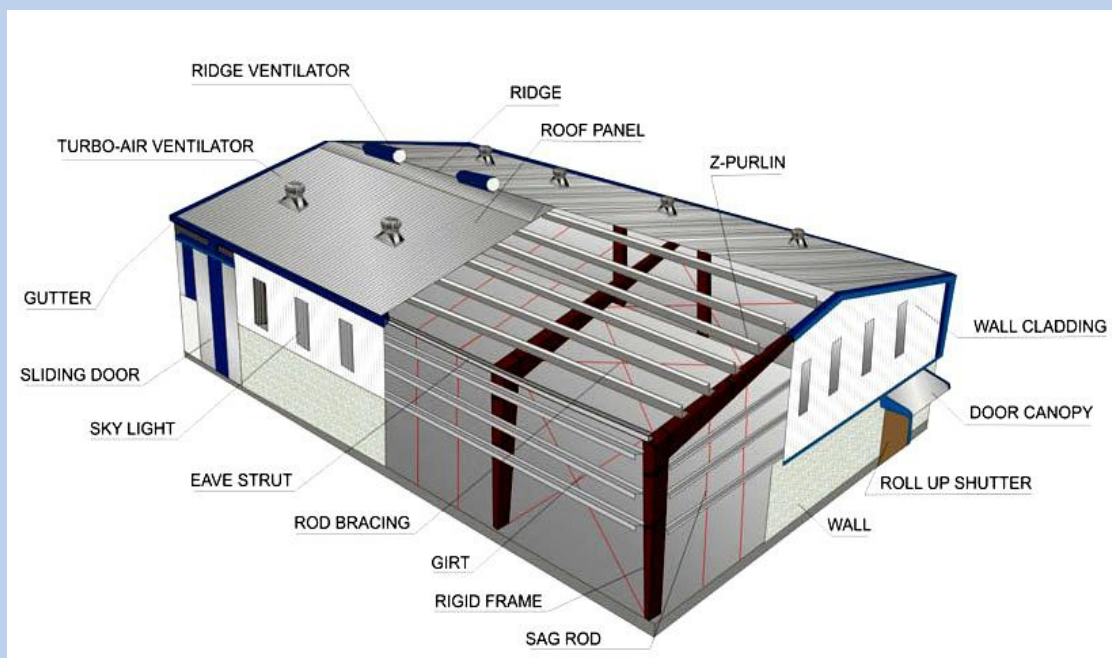
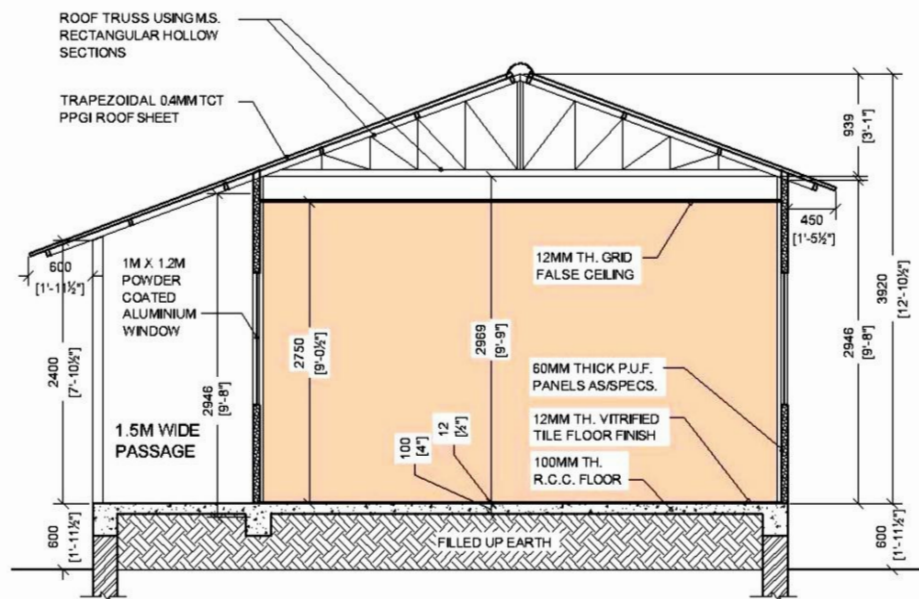
Pre-Engineered Buildings



Features:

- Strong and light weight
- Exceptional thermal and sound insulation properties
- Consistent quality
- Quick to install
- Option of joint-less single panel
- Option of future expansion
- Option of colour range and design
- Fire resistant/retardant
- Versatility in design and fabrication
- Modular in nature
- Easy maintenance
- Designed to suit varying climate
- Withstands extreme weather conditions
- Economical and cost effective
- Durable and re-locatable

TYPICAL SECTION OF SHELTER





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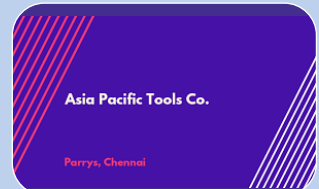
OUT CLIENTS



Ahluwalia Contracts (India) Ltd.



sanat
PRODUCTS LTD.





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Industrial Roofing System

Plot No-15, Main G.T. Road,
Near Dass Factory, Katori Mill
Mohan Nagar, Ghaziabad (UP)-201005

E: industrialroofingsystems@gmail.com

Ph: 8826222205, 8506000592