



JIELI ROOF

SUPPLY BOTH ROOF AND SOLUTION

LAIZHOU JIELI INDUSTRIAL CO., LTD.

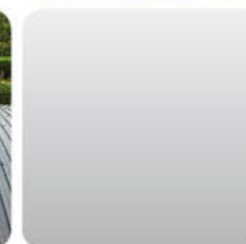
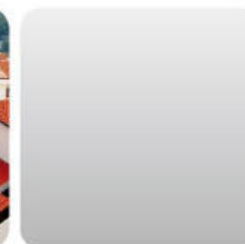
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COMPANY PROFILE

JIELI is one of the leading professional PVC & UPVC roofing technology solution provider in the world, founded in 1994, now has grown to the largest manufacturer of UPVC Roof Sheet, Composite Roof Tile, Glass Fiber Reinforced Roof Sheet and FRP Roof Sheet.

- ◇ PROFESSIONAL ROOF SOLUTION
- ◇ GOVERNMENT AUTHORIZED ROOF SHEET TEST LAB
- ◇ 15 AUTOMATIC ROOF SHEET PRODUCTION LINES
- ◇ PATENT GLASS FIBER REINFORCED ROOF SHEET

DEVELOPMENT PATH



**Solid footprint
Every step of Excellence**



ADVANCED PRODUCTION
EQUIPMENT

JieLi Building Materials

Digital material mixing and roof producing. Stable roof quality.



PROFESSIONAL MATERIAL TESTING CENTER

JIELI lab proceed testing of raw material, material formula, material mixing and testing of roof sheet product before shipment. Lab testing ensure steady quality within control.



CERTIFICATE



TRUST
STARTS
FROM
JIELI





SYNTHETIC RESIN ROOF TILE



HEAT RESISTANCE



FIRE PROOF



ENVIRONMENT
FRIENDLY



WEATHER
RESISTANCE



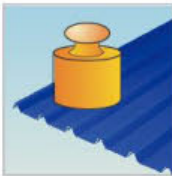
SOUND PROOF



LONGER LIFE SPAN



IMPACT RESISTANCE



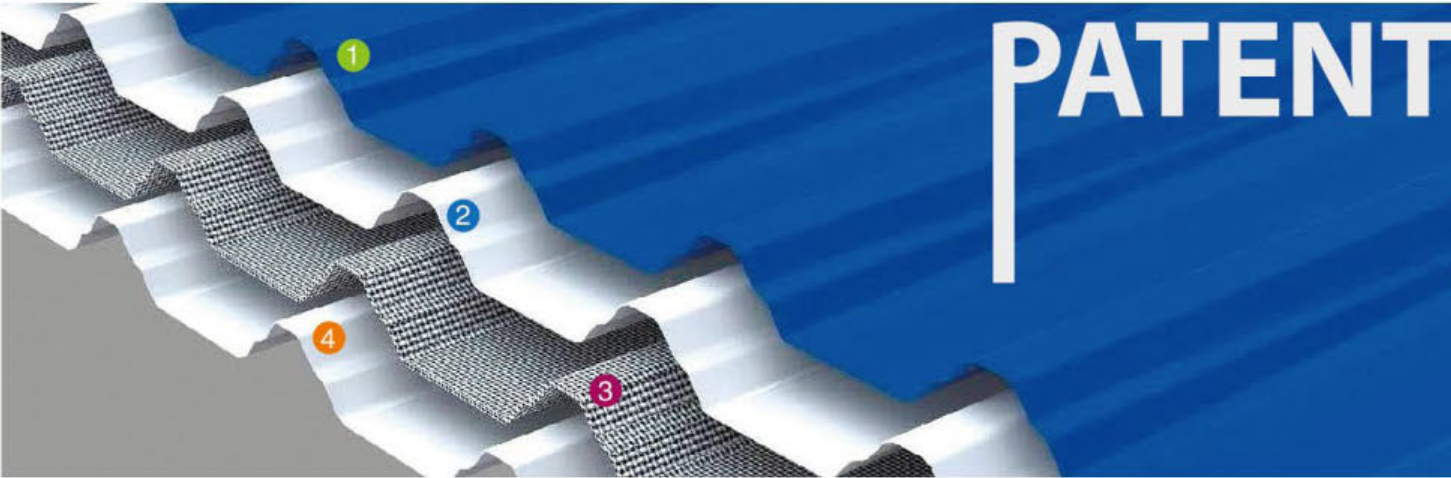
SAFE LOADING

- ◇ Customized size and color
- ◇ Abundant accessories
- ◇ Easy installation, save labor cost
- ◇ Supply long purlin distance
- ◇ Chemical resistance
- ◇ UV and water proof
- ◇ Applicable residential, commercial and industrial roof

TECHNICAL DATA

Heat-Resistance	(72°C ,6h)no deformation,no Viscousness	High-low temperature change	± 0.11%
Cold-Resistance	(-40°C ,6h) no crack on surface	Fire-protection	Class B1 Retardant Building Materials
Bending capability	25mm	Vicat softening temperature	≥ 75°C
Flexural load	800N,no crack	Water absorption rate	≤0.05%
Flexural strength	72MPa	Nail force	≥ 46N
Tensile strength	30MPa	Chemical resistance properties	No reaction in salt,alkali (≤60%)

FIBER GLASS REINFORCED ROOF SHEET



1 / Resin 2 4 / UPVC MATERIAL 3 / FIBER GLASS

More stable under weather change

Fibre glass will make the roof tiles more stable under weather and temperature change.

Excellent loading performance

Fibre glass in the middle will increase 30% tensile strength and support 20% longer purlin distance.

Excellent impact resistance

Impact resistance increase 50%, widely used for snow and big wind areas.

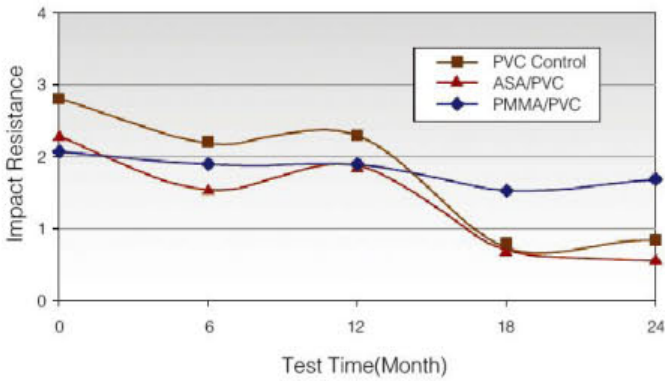
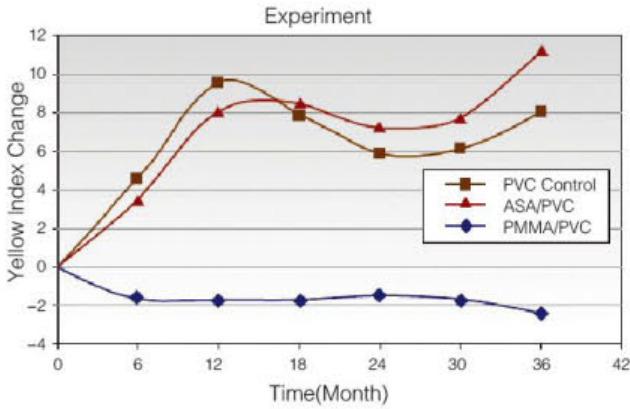
Available for all profiles

Fibre glass technology can supply multiple profiles we have.



JIELI RESIN ROOF TILE TECHNICAL DATA

Item	Content	Result	Standard
Environment	Pollution or environment friendly	No asbestos and Environment Friendly.Recycling material	GB6566-2001, A standard good for Environment
Heat distortion temperature	Under 70.0℃	No change	GB/T1634-2004
Softening temperature	Under 75.2℃	No Softening	GB/T1633-2000
Hard to Burn	B1 Grade	Oxygen index 32.4	GB/T2406-1993
Vertical Buming	FH-0	FH-0	GB/T2408-1996
Horizontal Buming	FH-1	FH-1	GB/T2408-1996
Corrosion-resistant	Acid (HCL,H ₂ SO ₄ ,HNO ₃)5%	No change	GB/T3801-1999
	Alkaline(NaOH)5%	No change	GB/T3801-2000
Freeze-thaw resistance	1kg steel ball falling down on the tile from 2 meters height. The roof tile without any crack	No crack,bubble etc.	JG149-2003
Anti-aging test	Light source wavelength:290-800mm	1.life time 6000 hours(same as common environment 50 years) 2. ΔE*≤4.5	GB/T8814-2004
	Temperature(65±3)℃		
	Light Irradiation 550W/SQM		
Fade color	ASTM D2244	ΔE*≤5, Δb≤3	ASTM D4587-01 Fluorescent UV-Condensation Exposures
Anti UV Light	PMMA material	Anti 27% UV Light	



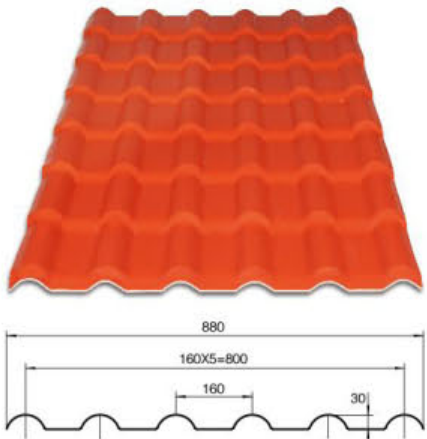
RESIN ROOF TILE

POPULAR ON VILLA AND RESIDENTIAL



ROYAL 720

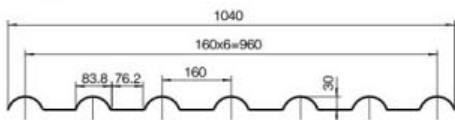
Width: 720mm
Efficient width: 640mm
Thickness: 2.3mm, 2.5mm, 3.0mm
Length: customized (times of unit length 219mm)
Purlin distance: 660mm
Application: villa, residential roof etc



ROYAL 880

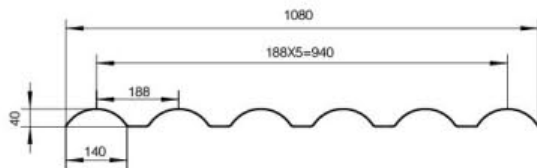
Width: 880mm
Efficient width: 800mm
Thickness: 2.5mm, 3.0mm
Length: customized (times of unit length 219mm)
Purlin distance: 660mm
Application: villa, residential roof etc





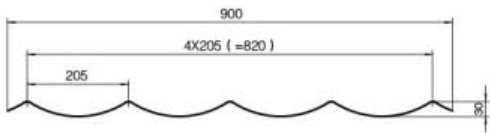
ROYAL 1040

Width: 1040mm
Efficient width: 960mm
Thickness: 2.5mm, 3.0mm
Length: customized (times of unit length 219mm)
Purlin distance: 660mm
Application: villa, residential roof etc



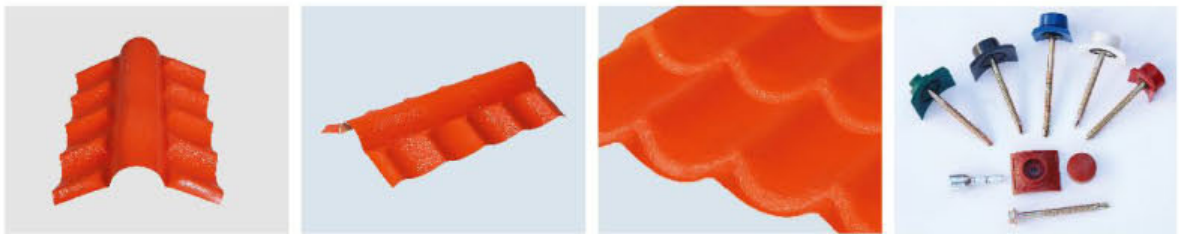
ROMA 1080

Width: 1080mm
Efficient width: 940mm
Thickness: 2.5mm, 3.0mm
Length: customized (times of unit length 328mm)
Purlin distance: 984mm
Application: villa, residential roof etc



EUROPE 900

Width: 900mm
Efficient width: 820mm
Thickness: 2.5mm, 3.0mm
Length: customized (times of unit length 250mm)
Purlin distance: 750mm
Application: villa, residential roof etc

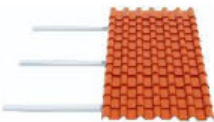


INSTALLATION GUIDELINE



Purlin

Keep 180mm from center of top purlin to ridge line. It helps installation of top ridge.
Keep 50-70mm from bottom purlin to eave. It helps fasten installation.



Main tile

Overlap by one wave and every sheet should be assembled as close as possible to the one overlapped. Cut the first sheet of second row in half to avoid the crossover of four sheets in the overlap.



Top ridge

Install ridge unit from one side and cut the first tile in half to avoid the crossover of four sheets on the overlap.



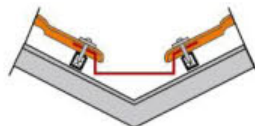
Diagonal ridge

Install diagonal ridge tile from bottom to top with a overlap of 50mm. Align the diagonal ridge in a straight line.



Three-way ridge

A 3-way ridge is used as the joining element between the linear ridge and the diagonal ridge for a four slope roof.



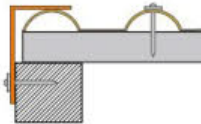
Side eave-cloudly angle

Fix the valley gutter made in plastic or metal on the valley purlins before the installation of main tile. The sheets corresponding to the valley line must be pre-shaped before positioning



Terminal ridge

After finishing the assembling of diagonal ridge, insert the terminal diagonal ridge and be fixed.



Side eave-sun angle

After finishing assembling of main tiles, fix the barge board on the last row of tiles by supplied fittings.



Front eave

The eave tile is supplied only for choice. Insert the eave tile into the bottom of main tile and be fixed.

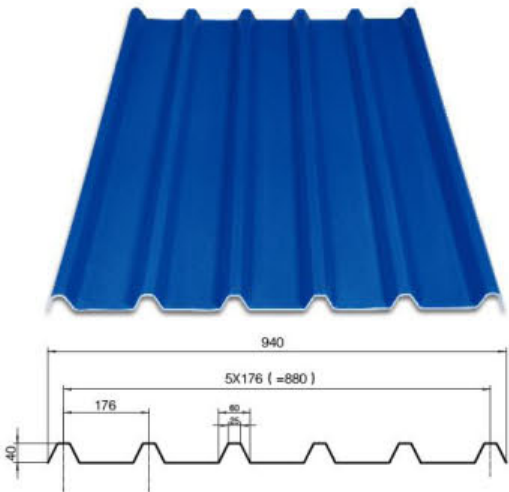
Overlap

Normally, one corrugation horizontal overlap at least, 20-25cm lengthwise overlap. In big wind climate, two corrugation horizontal overlap and 20-25cm lengthwise overlap are recommended.
Roof slope less than 20 degrees, 40cm lengthwise overlap is suggested.



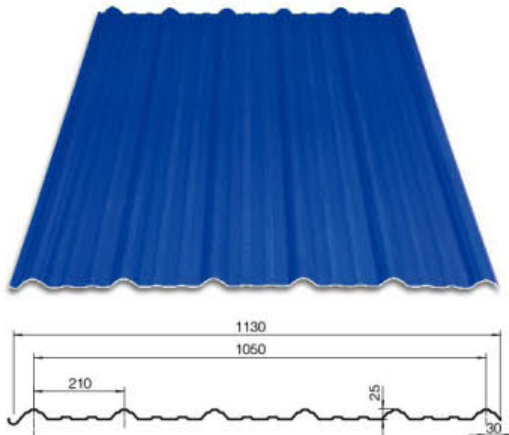
TRAPEZOIDAL UPVC ROOFING SHEET

Widely used on acid picking workshop, factory, warehouse, high temperature workshop etc.



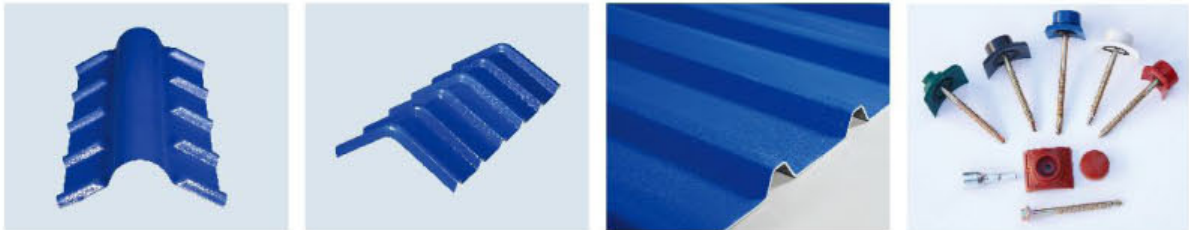
T940 HOT

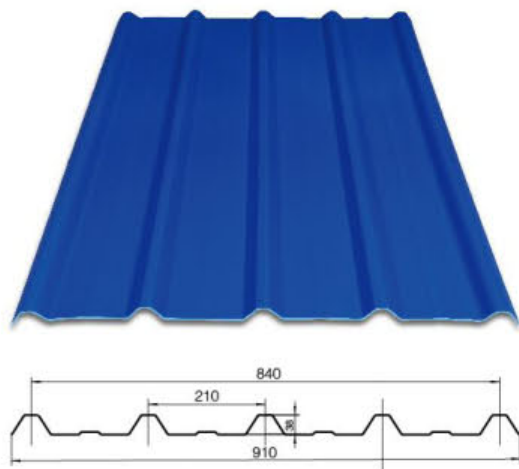
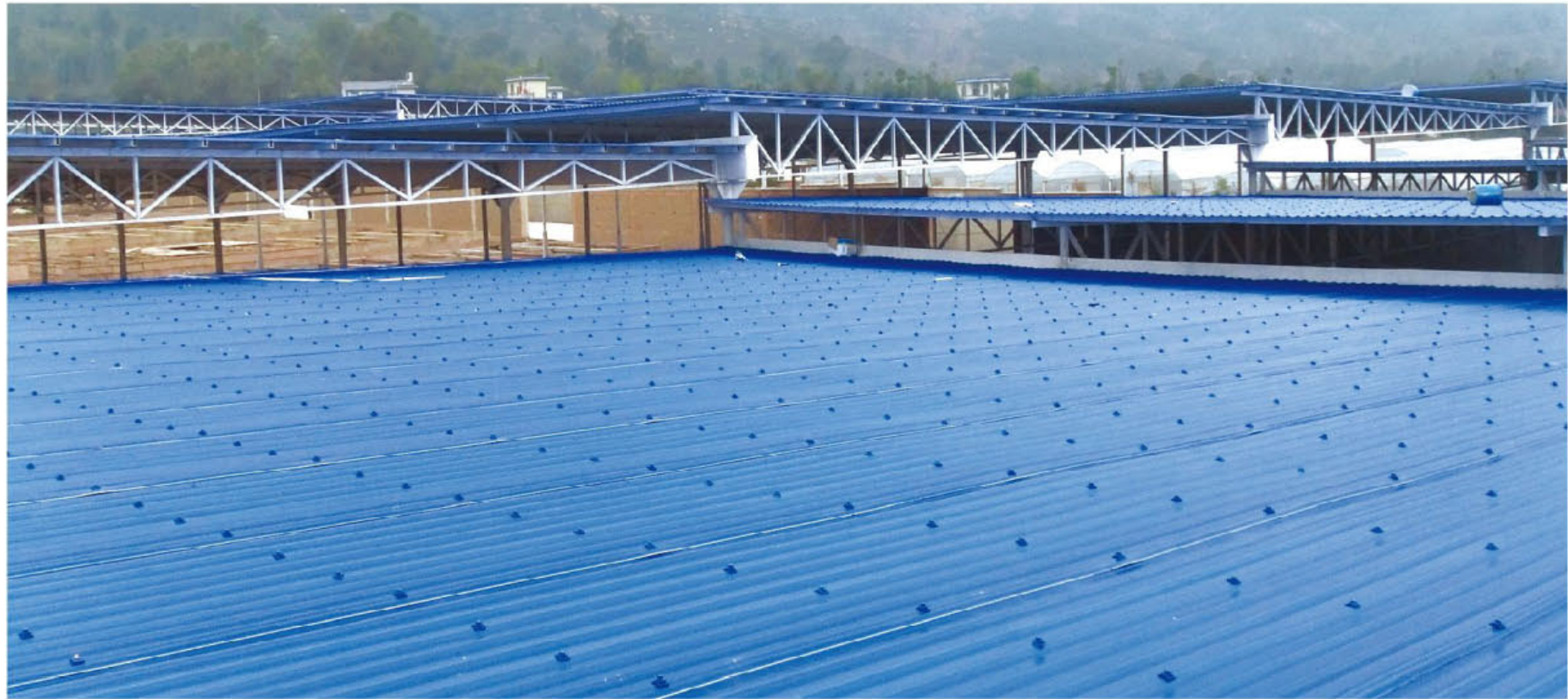
Width: 940mm
Efficient width: 880mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: ≤1500mm
Application: roof, ceiling, wall panel etc



T1130 HOT

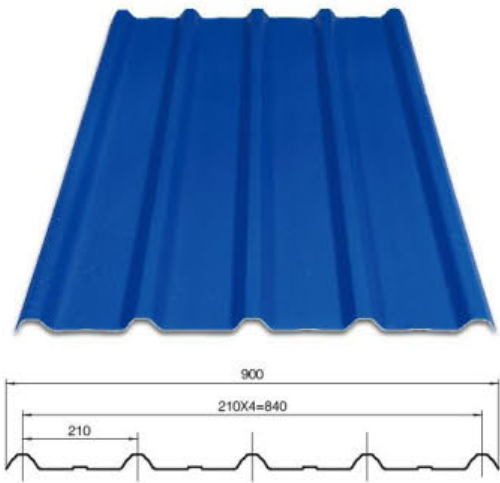
Width: 1130mm
Efficient width: 1060mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: ≤1200mm
Application: roof, ceiling, wall panel etc





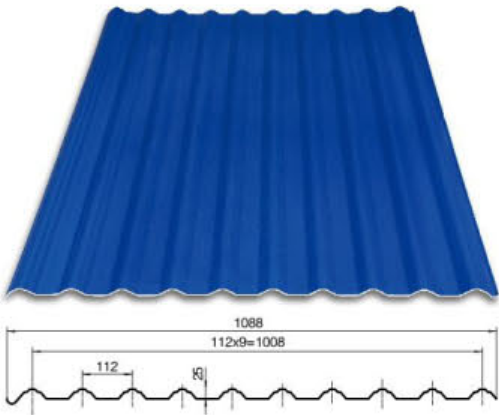
T910

Width: 910mm
Efficient width: 840mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: $\leq 1200\text{mm}$
Application: roof, ceiling, wall panel etc



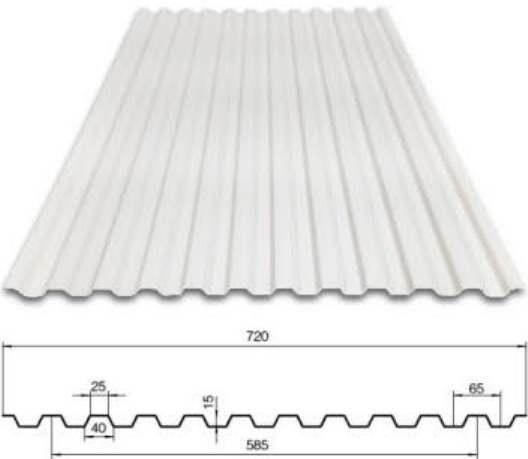
T900

Width: 900mm
Efficient width: 840mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: $\leq 1200\text{mm}$
Application: roof, ceiling, wall panel etc



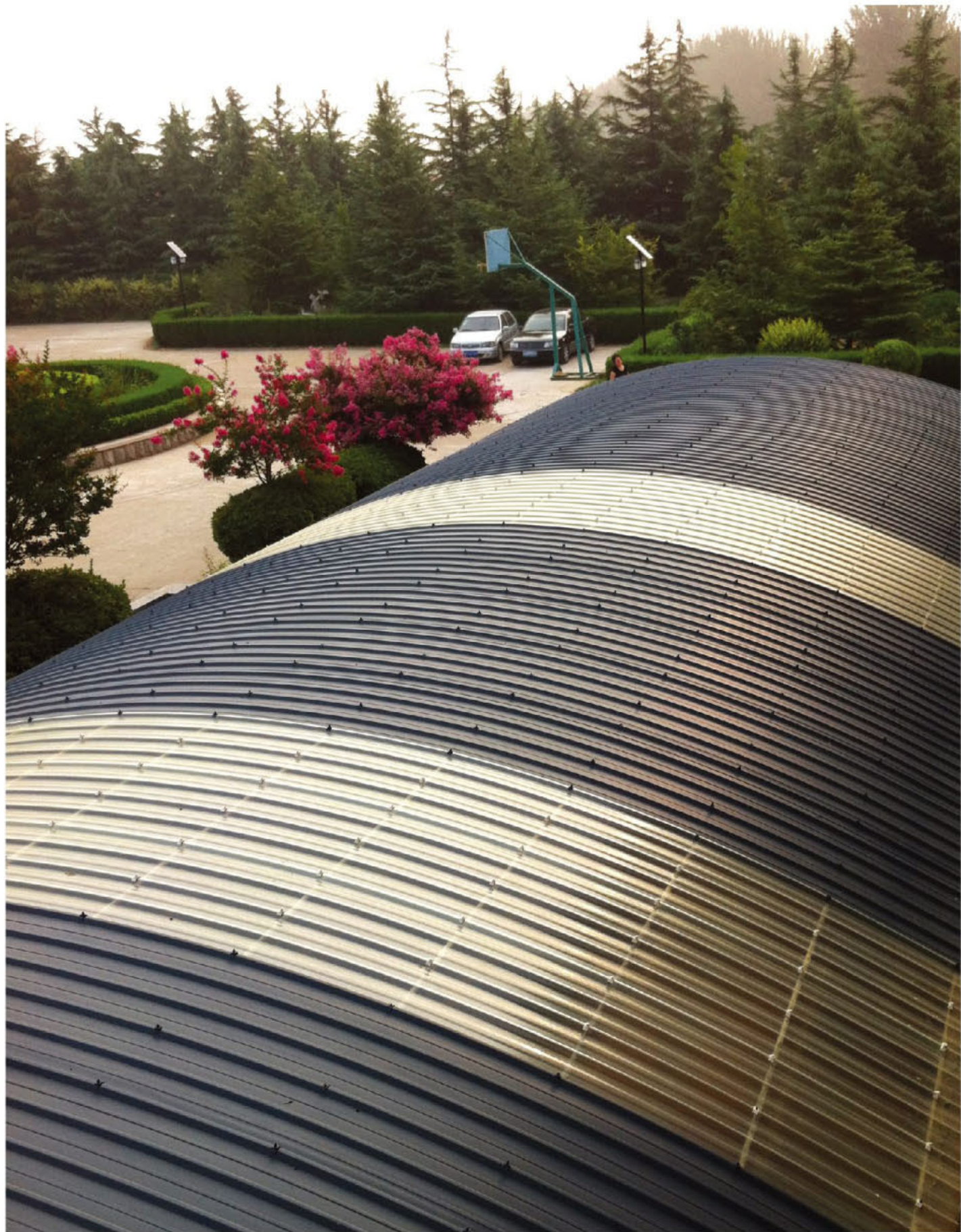
T1088

Width: 1088mm
Efficient width: 1008mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: $\leq 1200\text{mm}$
Application: roof, ceiling, wall panel etc

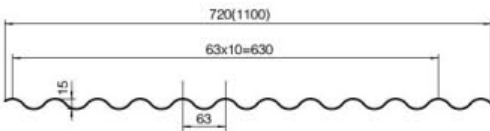


T720

Width: 720mm
Efficient width: 585mm
Thickness: 1.5mm, 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: $\leq 800\text{mm}$
Application: roof, ceiling, wall panel etc

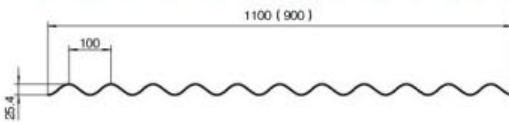


CORRUGATED UPVC/PVC ROOF SHEET



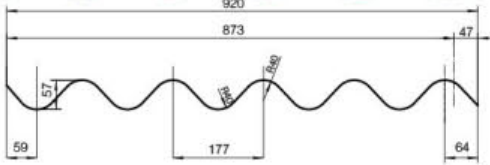
SW 720

Width: 720mm~1100mm
Efficient width: 630mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: ≤800mm
Application: roof, ceiling, wall panel etc



BW 900

Width: 900mm~1100mm
Efficient width: 800mm
Thickness: 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: ≤800mm
Application: roof, ceiling, wall panel etc



BW 920

Width: 920mm
Efficient width: 873mm
Thickness: 1.5mm, 2.0mm, 2.5mm, 3.0mm
Length: customized
Purlin distance: ≤1500mm
Application: roof, ceiling, wall panel etc



FRP TRANSPARENT SHEET

FRP sheet is used for skylight, greenhouse etc

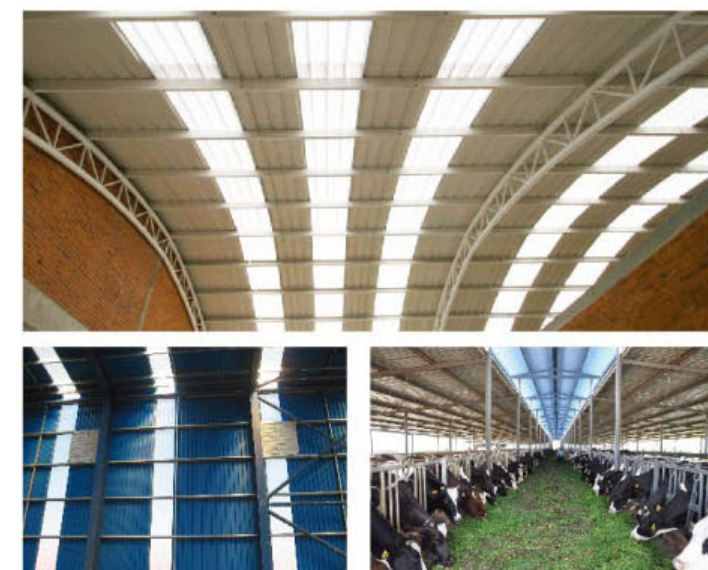
Advantages:

≥90% light transmission

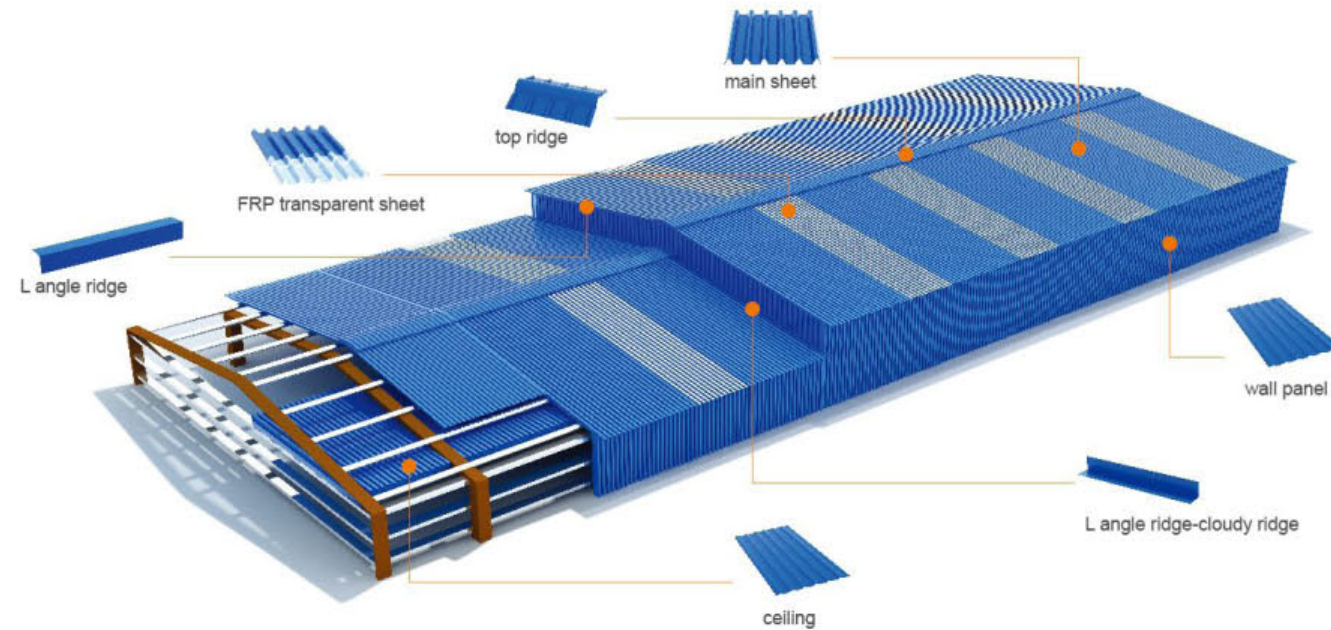
Chemical resistance

Anti UV

-60℃-100℃ service temperature



UPVC ROOFING SHEET INSTALLATION GUIDE



Sheets lifted to the roof, the pile quantity cannot exceed 20pcs. Keep the roof sheet flat, had better lift the goods at 3 or more points. Flat steel structure can be used as assistant tool.



Use appropriate safety equipment for working at height. Safety helmet and gloves are needed at all the times.

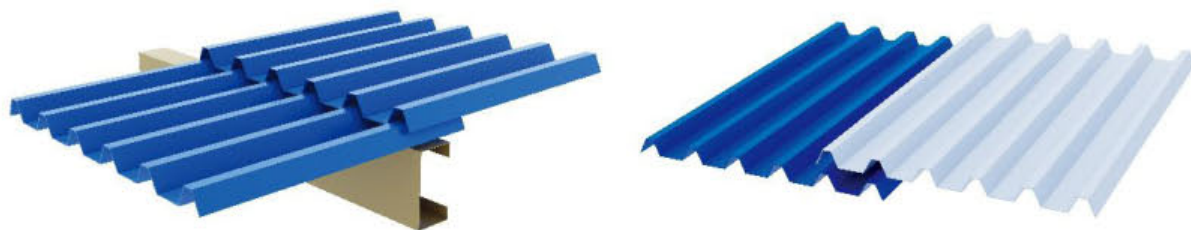


The sheets must be overlapped in the opposite direction of the prevailing winds.



During installation, it's better for workers to walk along the purlin to protect the sheets for long time using.

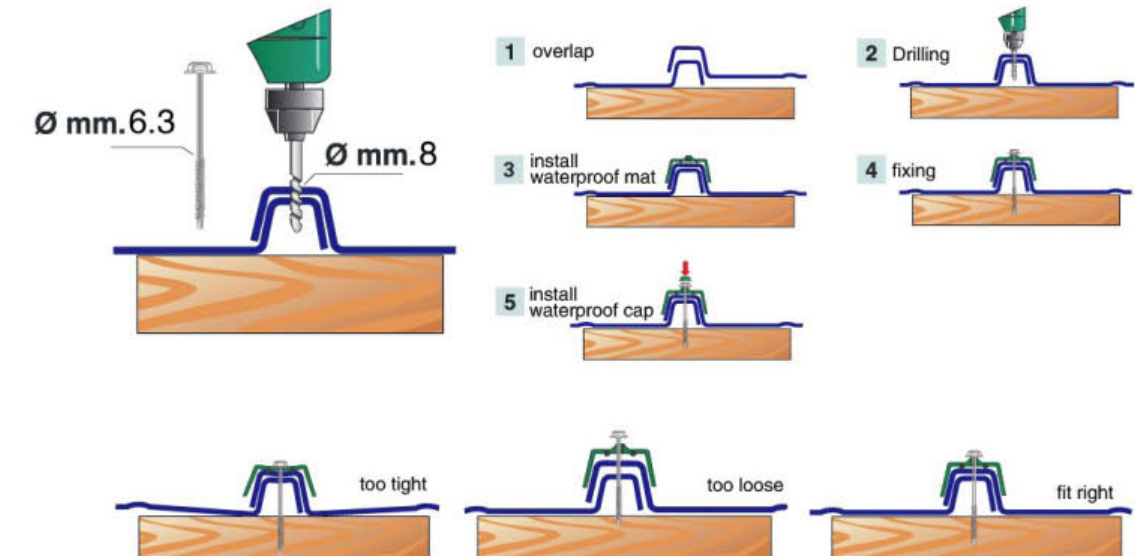
OVERLAP



Normally, one corrugation horizontal overlap at least, 20-25cm lengthwise overlap. In big wind climate, the corrugation horizontal overlap and 20-25cm lengthwise overlap are recommended. Roof slope less than 20 degrees, 40cm lengthwise overlap is suggested.

FIXING

Screws for steel purlin and wood purlin are available.
Drilling before screw fixing.
Screw fixed on corrugations.
4 sets screws per sqm roof tile are recommended.



INSTALLATION TOOLS:



CONSTRUCTION LINES

SLEEVE

PORTABLE DRILL

PORTABLE TOOTHLESS SAW

PORTABLE POLISHER

SPANNER

TAPE

