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# **VINAHOME CORRUGATED PLASTIC SHEET**

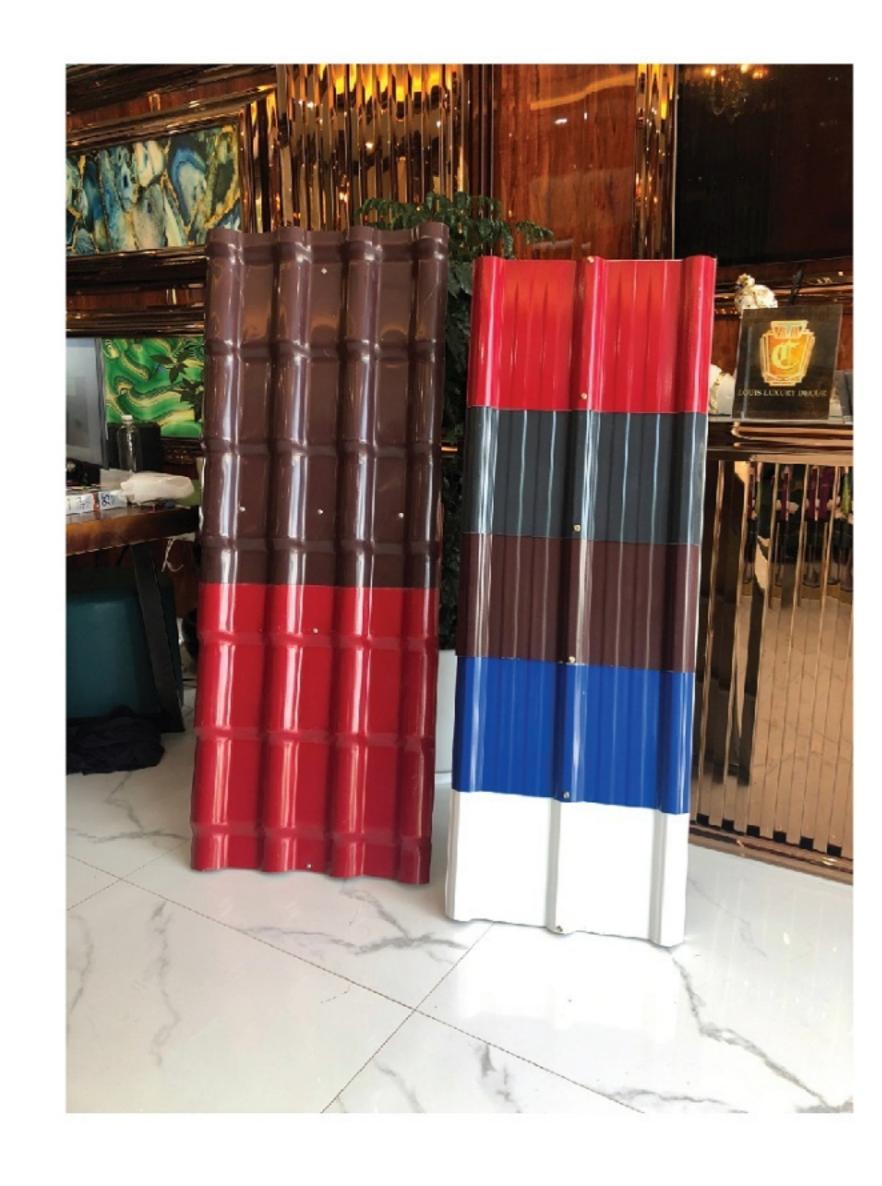
## WHO ARE WE?

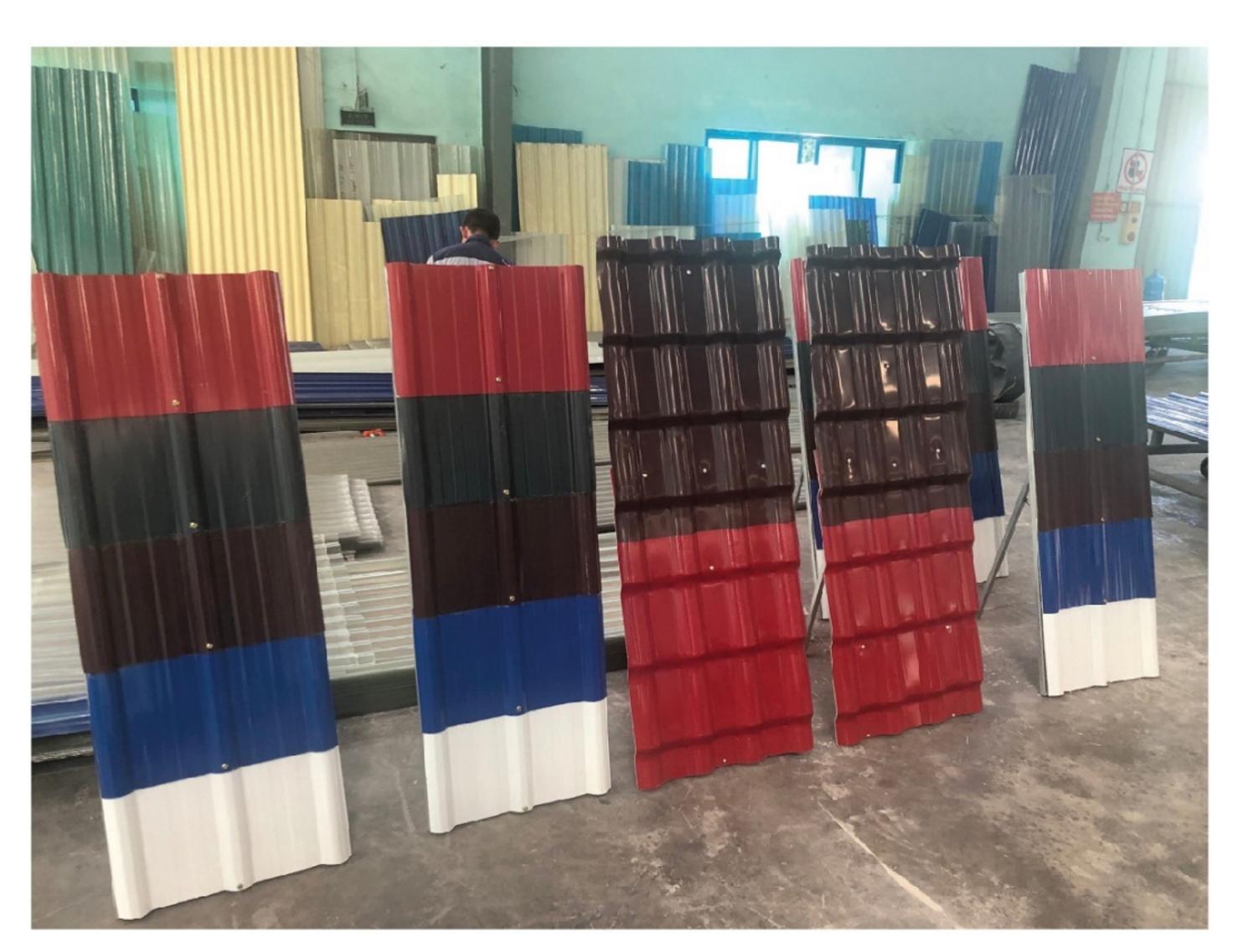
In recent years, the ever-increasing demand for Roofing Sheets and Roofing Tiles requires a variety of materials to meet different customer requirements, especially high quality products with many advanced properties. However, during the construction and usage process, traditional roofing sheets and tiles gradually reveal some disadvantages in terms of material, design, features and technical characteristics.

Founded in 2010, VINAHOMEGROUP fulfills their mission of serving the development of Vietnam and Southeast Asia markets. With a commitment to bring the best value to the customers, we choose only the best materials for production to improve your

We are the pioneer in Vietnam market and the biggest manufacturer of plastic roofing products in Southeast Asia. With a commitment to bring the best value to the customers, we choose only the best materials for production.

You are cooperating with a professional ISO-certified company with more than 10 years of experience in the plastic extrusion industry in Vietnam.



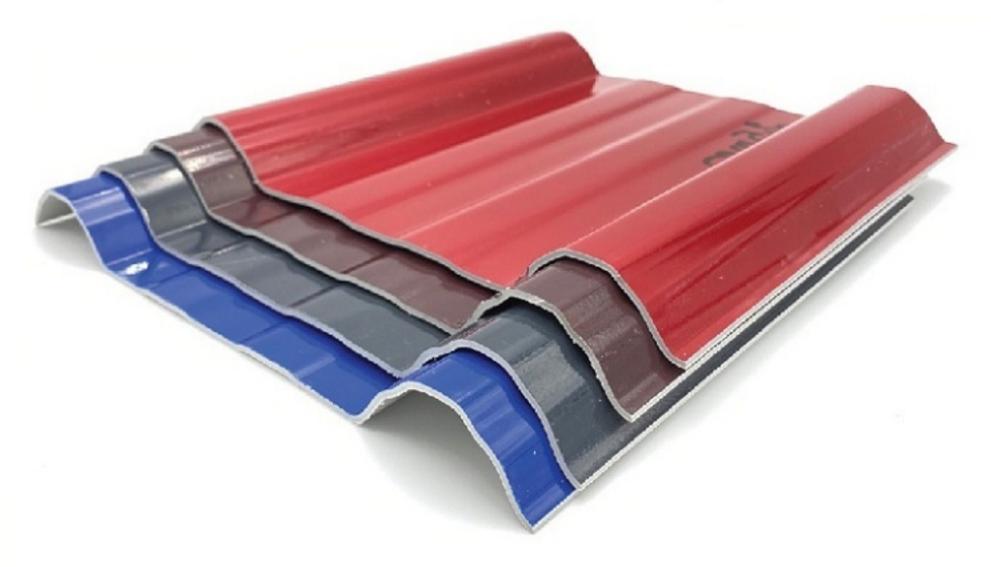


# PRODUCTS AND PROPERTIES

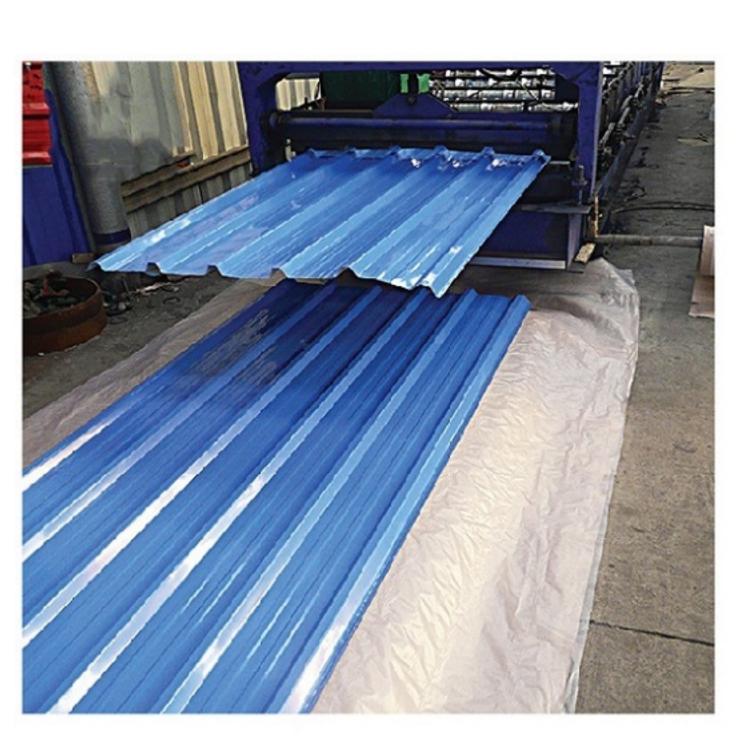
# VINAHOME CORRUGATED PLASTIC SHEET

Heat resistant, noise resistant Heat resistance Noise resistance

Corrosion resistance and Super durability

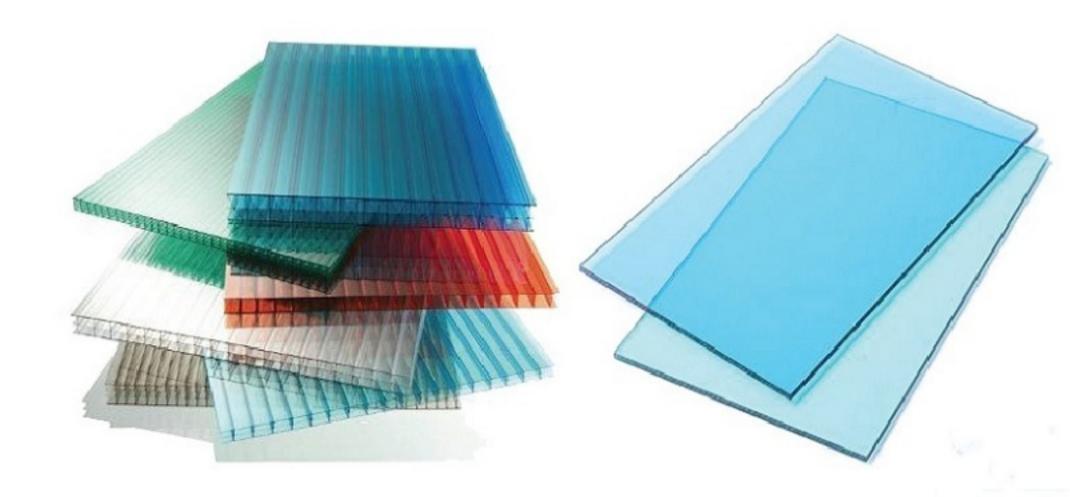






# POLYCARBONATE

Vinlite Solid roofing sheet Vintech Hollow roofing sheet Vinlight Corrugated roofing sheet F.R.P composite roofing sheet









# +ADVANTAGES.



#### Color fastness

EverRoof Plastic Tile and Plastic Sheet has outstanding weather resistance, and do not fade or crack even in harsh conditions with strong UV radiation, large temperature changes as well as frequent wind and rain.



#### ► Heat resistance - Outstanding noise resistance

EverRoof plastic roofing sheet has a thermal conductivity coefficient of 0.07W/m3, less than 1/6 of the thermal conductivity coefficient of cement tile and only 1/2200 of the thermal conductivity coefficient of non-ferrous 0.5mm metal roofing sheets. It has good sound insulation, with a noise reduction rating of 30db compared to non-ferrous metal roofing.



#### Superior chemical corrosion resistance

Due to its superior resistance to chemical corrosion, chemical reactions cannot occur even if the roofing sheet is immersed in corrosive solutions for 24 consecutive hours. EverRoof products do not rust, so they have higher leakage resistance. Therefore, EverRoof products are the perfect choice for coastal areas and places where acid rain is frequent.



#### High load capacity

EverRoof products can withstand heavy loads due to their good fatigue durability. Thermal expansion does not occur even when the products are used in harsh temperature conditions from -3oC to +60oC. There are no visible changes on EverRoof products, and they stay intact without any surface damages or cracks under high temperatures.



#### Outstanding leak resistance

EverRoof plastic roofing sheets have a special design, together with smart, synchronized mounting accessories, WHICH WILL ENSURE THAT all fixing screws can't be rusted. Therefore, superior leak resistance is always guaranteed.



#### High fire resistance

According to SGS tests, EverRoof products conform to UL 94-2013 plastic flammability standard. They have been proven to have V0 (OR HIGHER) FLAME RETARDANT PROPERTIES, and are classified as building materials with a low flammability coefficient.



#### Environmentally friendly

All EverRoof products are free of asbestos and radioactive elements, and can be recycled.

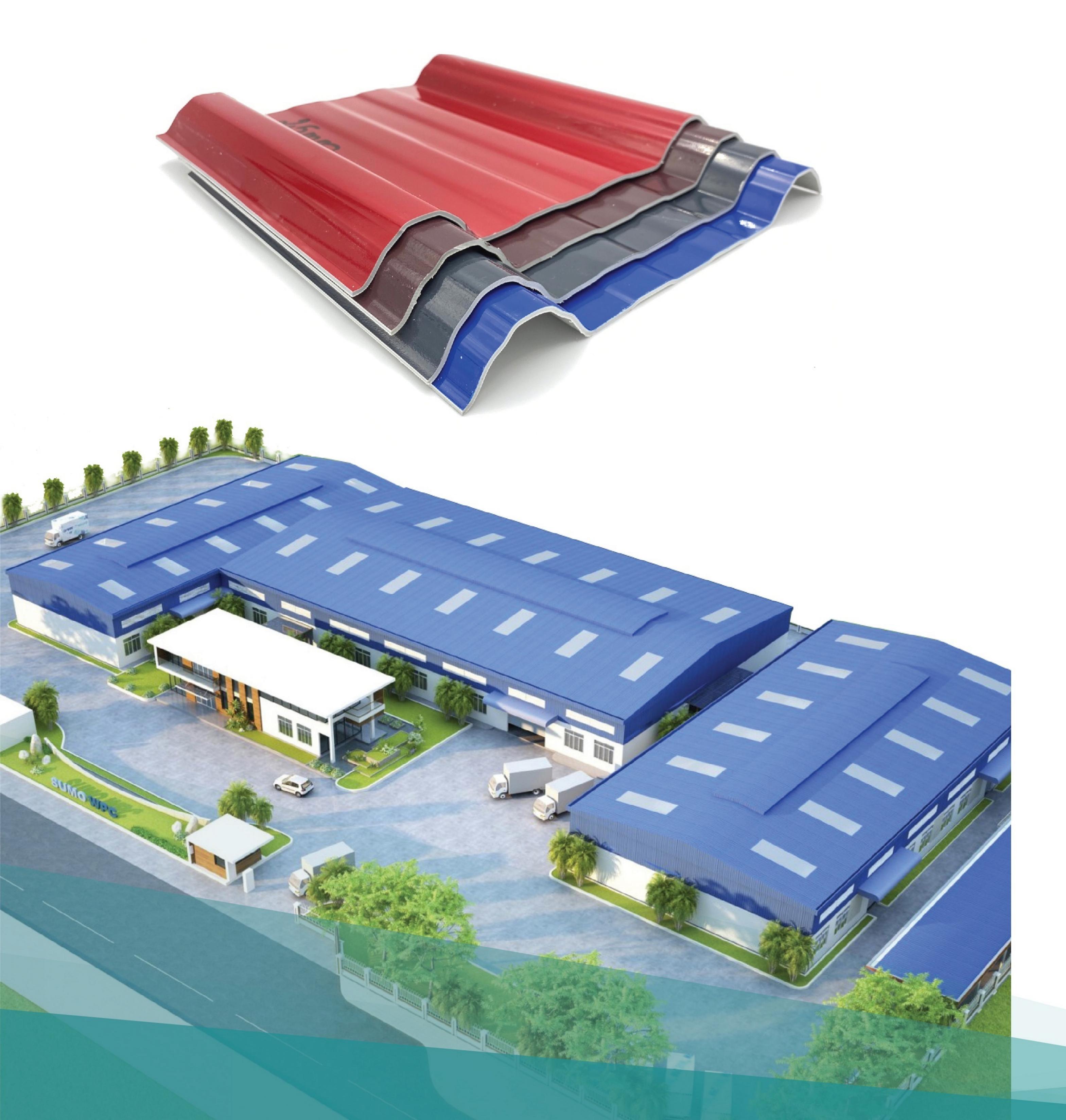


#### Convenient and efficient installation

EverRoof roofing sheet is light in weight and large in size, combined with synchronous and SMART MOUNTING accessories to reduce installation time.

# CORRUGATED PLASTICSHEET

- ► HEAT RESISTANCE
- NOISE RESISTANCE
- **CORROSION RESISTANCE**
- **ENVIRONMENT-FRIENDLY**



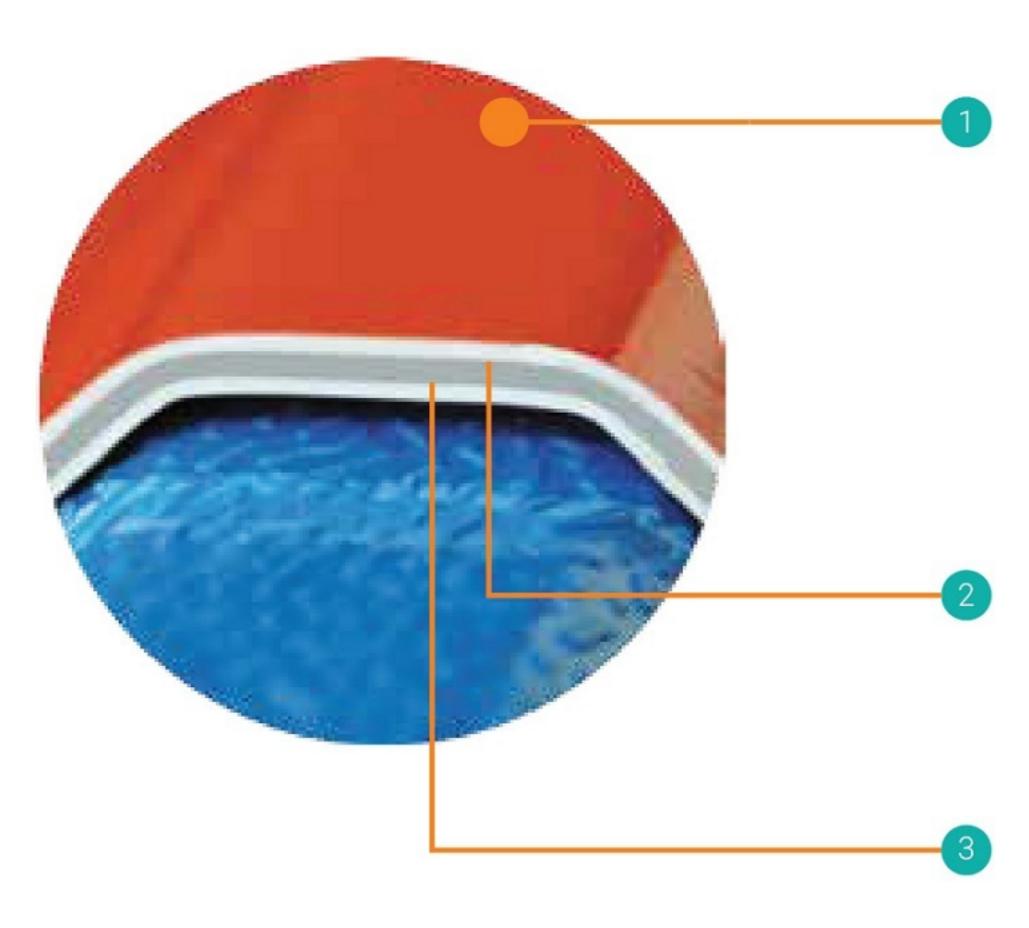
# + PRODUCT PROPERTIES.

EverRoof plastic sheet is manufactured on an advanced multi-layer extrusion technology line, with an ASA technical plastic layer that covers the surface to keep the color durable, help completely resist UV rays and protect the durable plastic layers for a long time.

EverRoof plastic sheet is easy to clean and has outstanding properties in terms of soundproofing, thermal insulation, anti-leakage, antirust, active fire resistance and anti-mildew.

EverRoof plastic sheet has high elasticity, so it can withstand high winds as well as strong impacts such as hail.

EverRoof's light weight also makes the construction process easy. Moreover, PVC / ASA material also gives EverRoof plastic sheet absolute electrical insulation.



#### STRUCTURE

Good weather resistant technical ASA plastic of TORAY, one of the top 500 companies in the world, ensures the colorfast surface layer for at least 15 years, extremely good UV resistance and outstanding corrosion resistance.

Special foam texture material that can resist heat and noise well

High toughness that ensures both durability and stiffness. This particular material also gives a sense of space and makes the interior of the house brighter.

#### APPLICATION

- Civil: Roof, terrace roof, eaves
- Industry: Industrial factory roof, warehouse roof
- Agriculture: Livestock farms, agricultural farms
- Construction: Partition, roof

# COLOR

Top layer: Navy blue, green, red and cream Bottom layer: White or optional









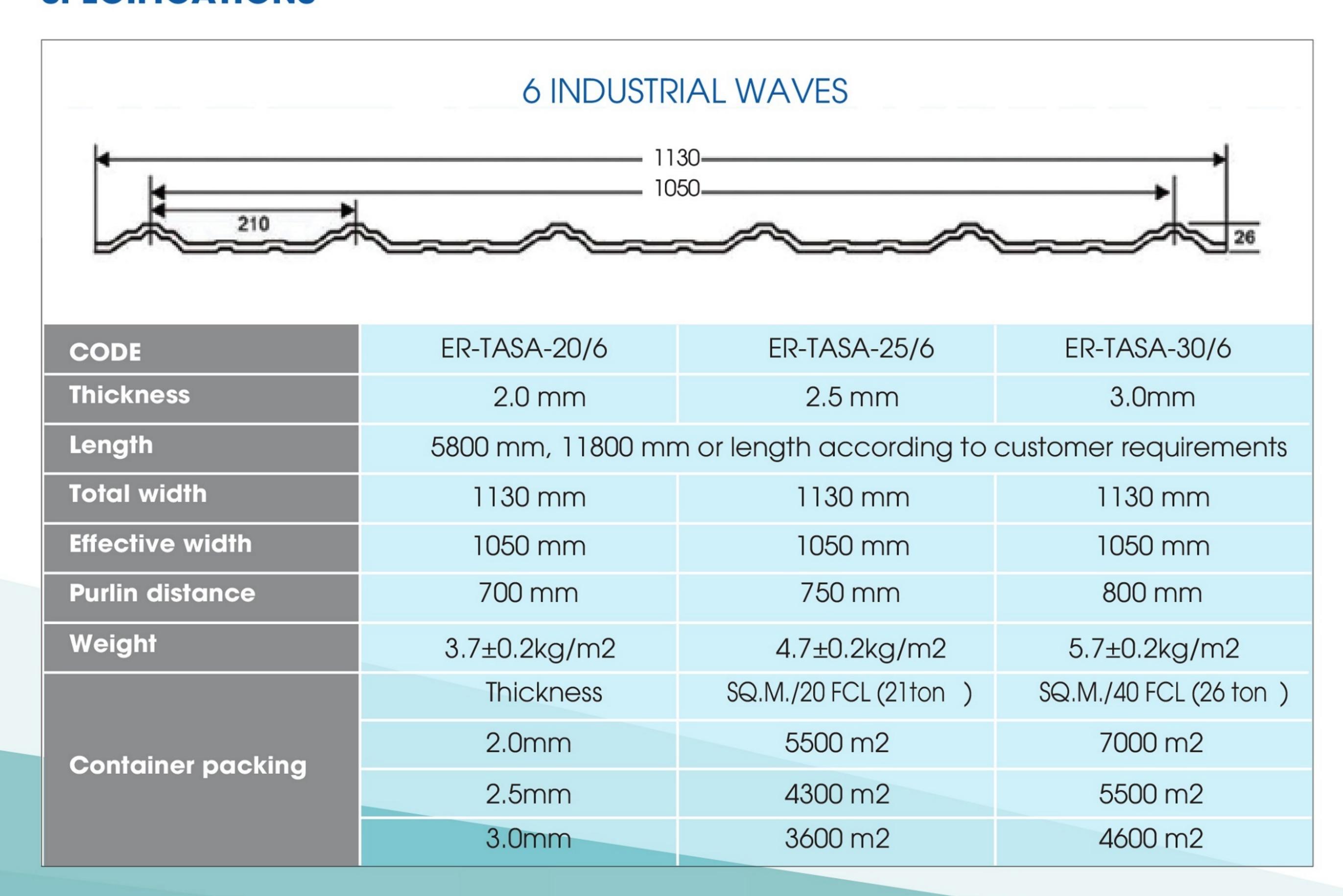
# VINAHOME CORRUGATED PLASTIC SHEET

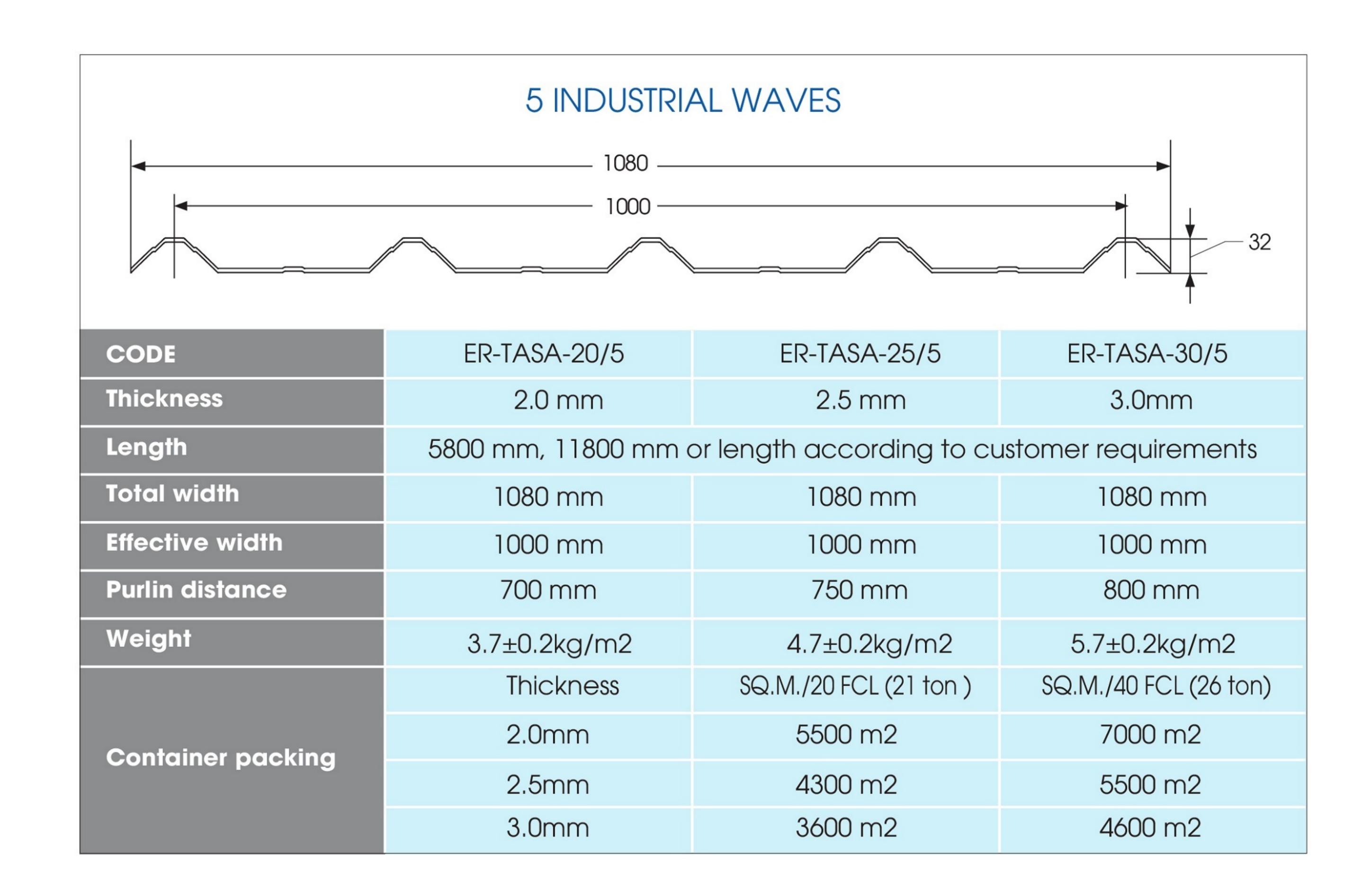


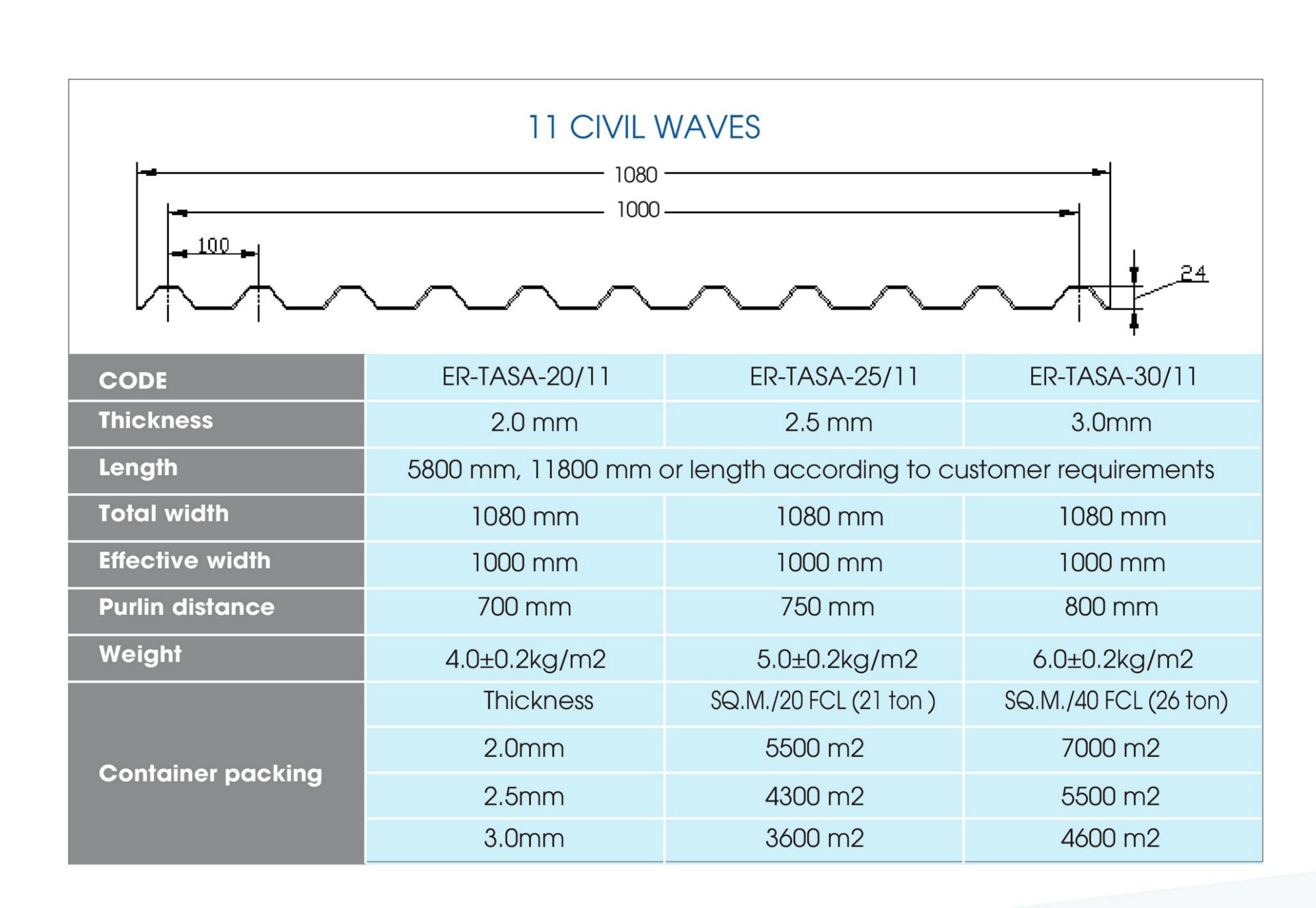
#### METAL SHEET ROOF ACCESSORY.

WAVEFORM METAL ROOF PANEL	WAVEFORM METAL ROOF PANEL	ROOF TRIM	GUTTER	SCREW ACCESSORY
Code: ER-PKT-01 Size: 300*300*1100mm	Code: ER-PKT-03 Size: 150*150*6000mm	Code: ER-PKT-04 Size: 150*150*6000mm	Code: ER-PKT-06 Size: 140*6000mm	Set includes: Plastic base, cap, rubber gasket

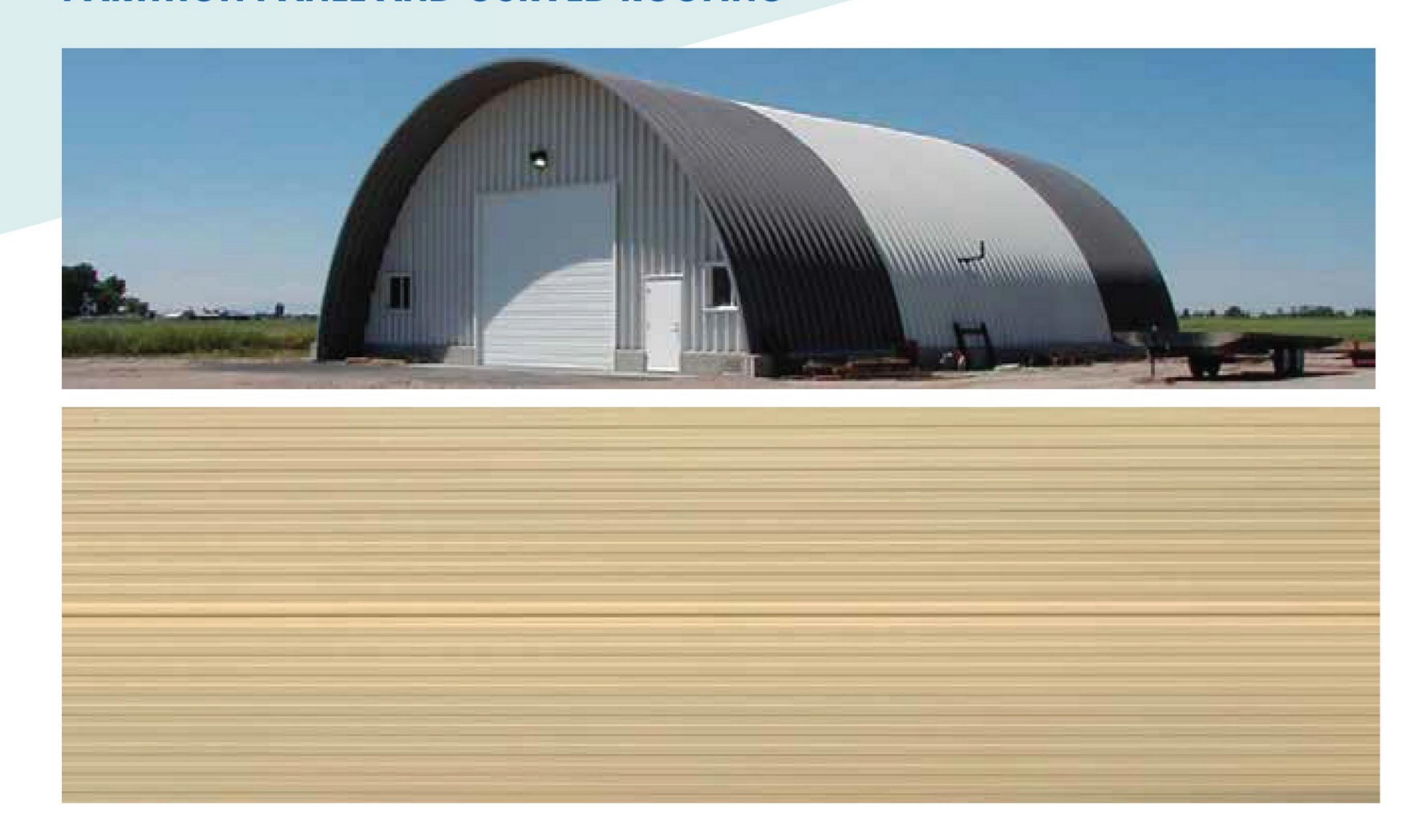
#### **SPECIFICATIONS**



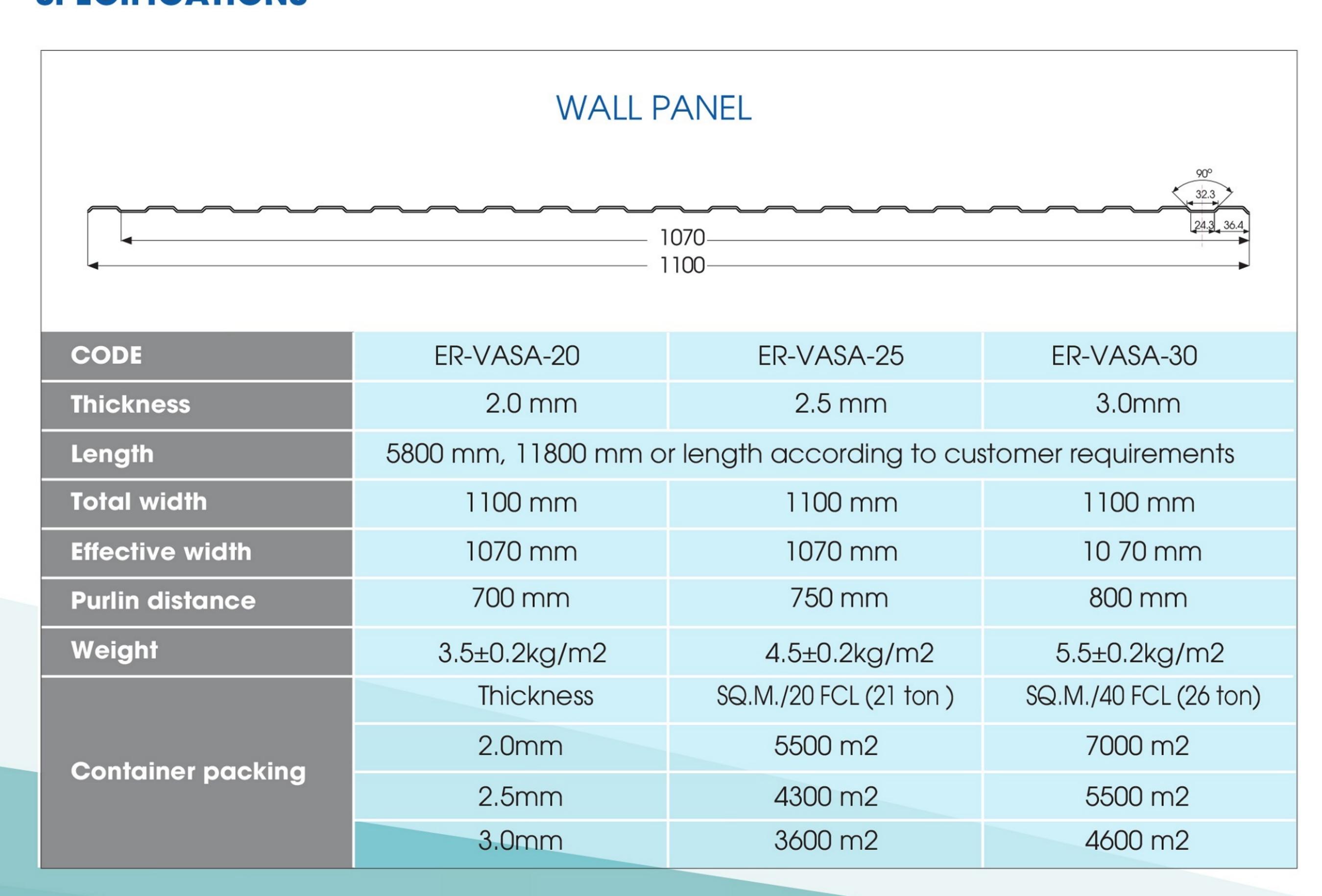




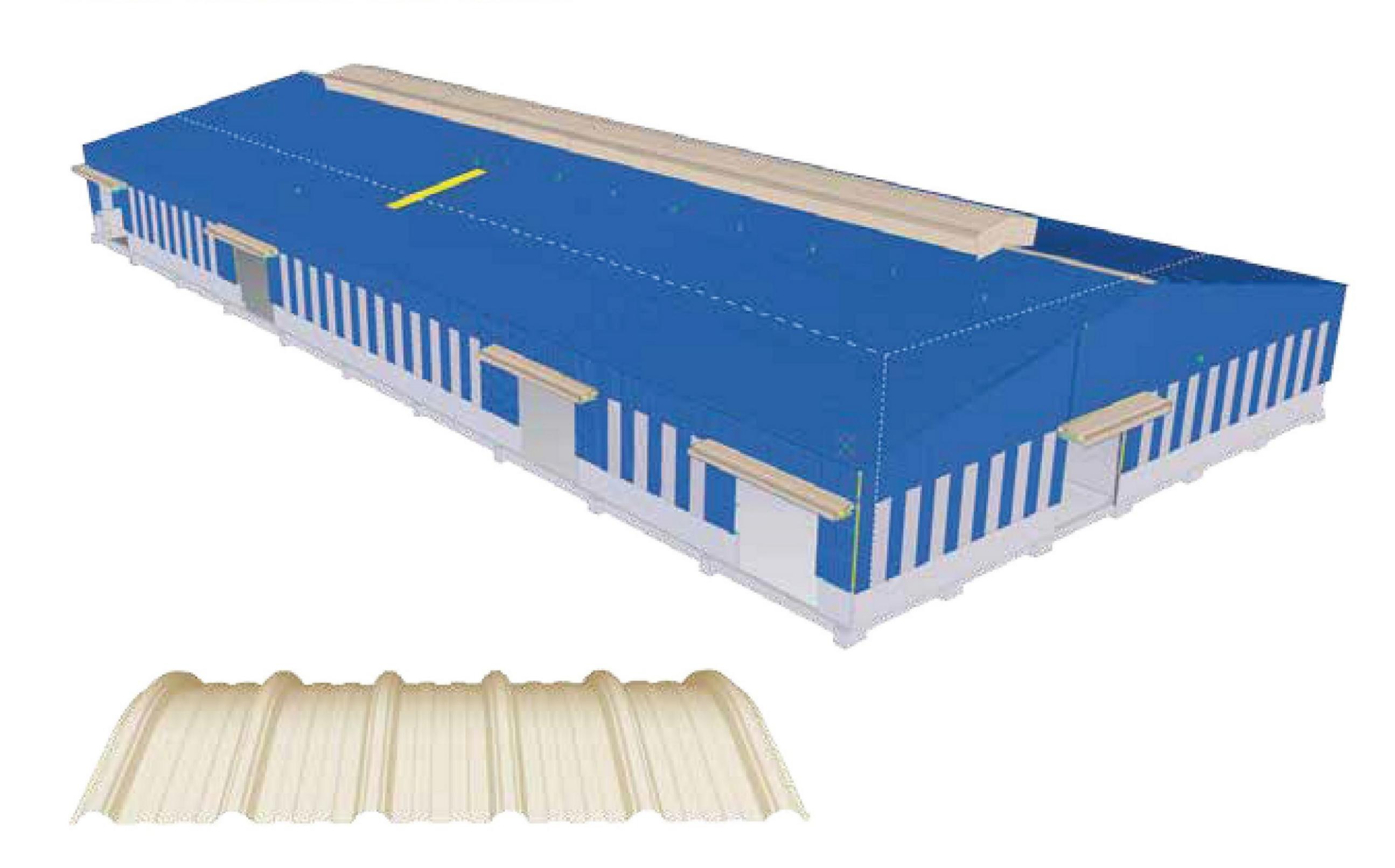
## PARTITION PANEL AND CURVED ROOFING



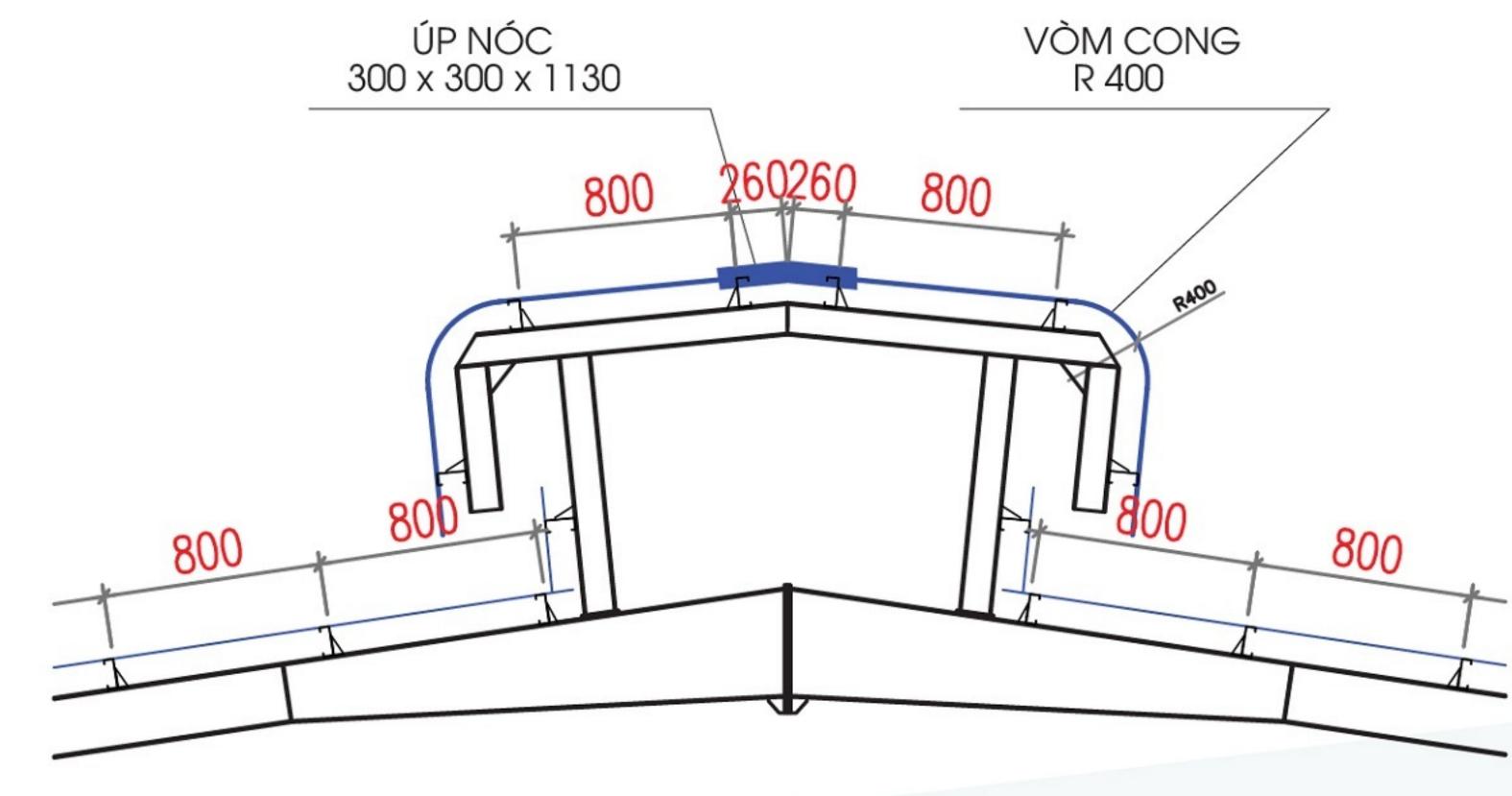
#### **SPECIFICATIONS**



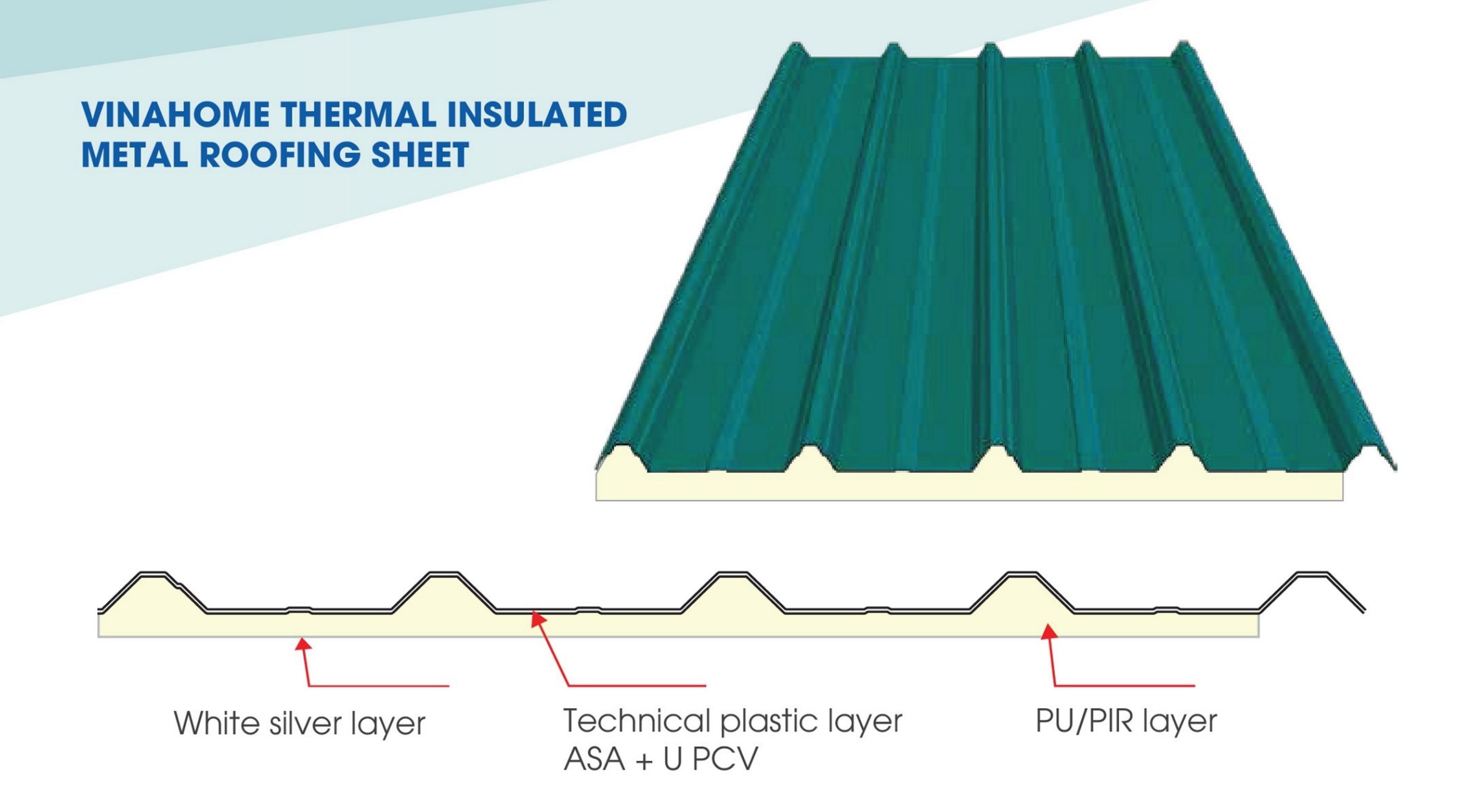
#### DOME SKYLIGHT AND EAVES



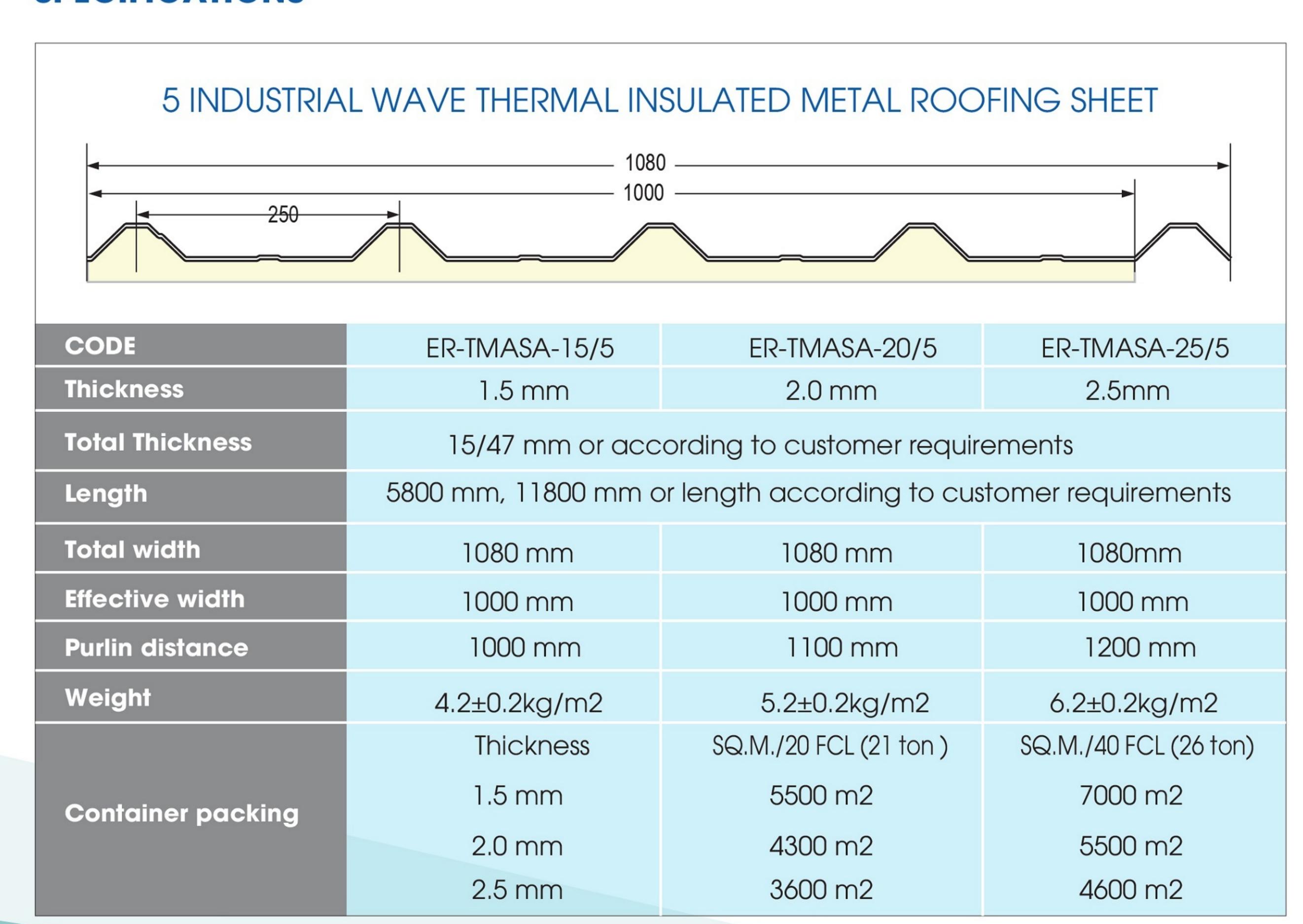
CODE	6 INDUSTRIAL WAVES			
	ER-TASA-20/6	ER-TASA-25/6	ER-TASA-30/6	
Thickness	2.0 mm 2.5 mm		3.0 mm	
Length	According to modul or customer requirements			
Total width	1130 mm	1130 mm	1130 mm	
Effective width 1050 mm		1050 mm	1050 mm	
Purlin distance	Purlin distance 700 mm		800 mm	
Weight	ght 3.7±0.2kg/m2		5.7±0.2kg/m2	
	Thickness	SQ.M./20 FCL (21 ton)	SQ.M./40 FCL (26 ton)	
Container packing	2.0mm	5500 m2	7000 m2	
	2.5mm	4300 m2	5500 m2	
	3.0mm	3600 m2	4600 m2	



DETAIL OF THE SKYLIGHT - CURVED 90 DEGREE CORRUGATED IRON



#### **SPECIFICATIONS**

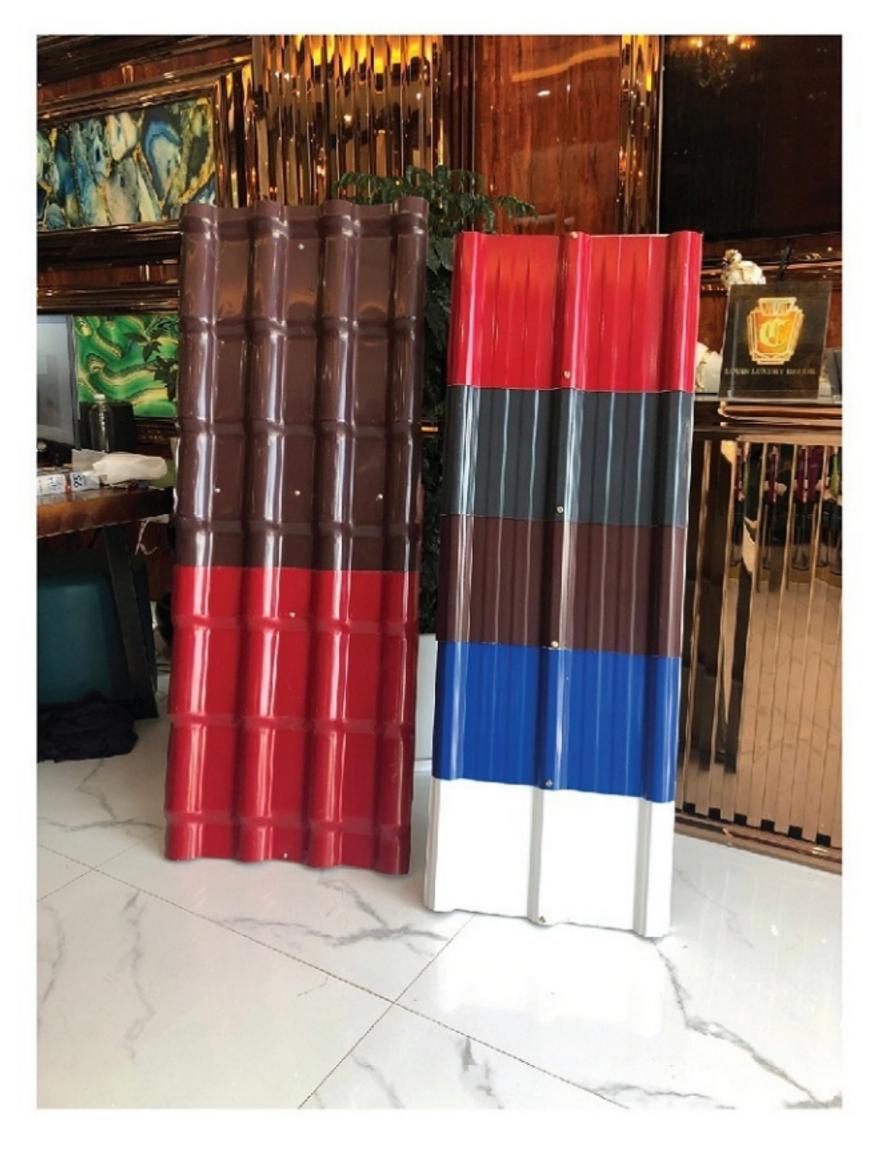


The product thickness and weight are allowed to be +- 0.2mm and +- 0.2kg/m2 according to the production technology of Plastic Sheet

#### **COMPARE ROOF PANELS**

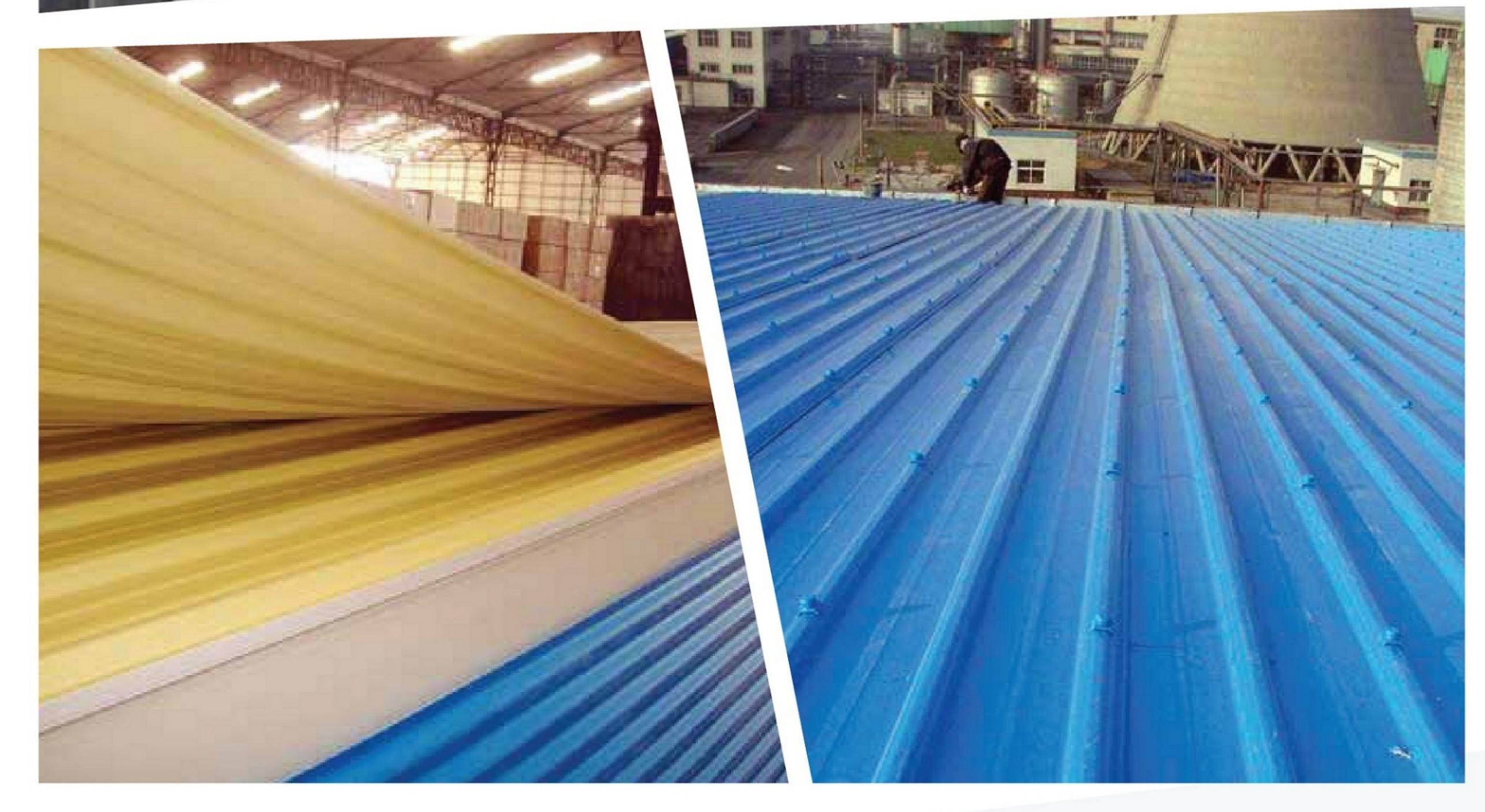
Property	Metal roofing sheet (Thickness 0.6 mm)	Metal roofing sheet (Thickness 0.5 mm)	Vinahome roofing sheet (Thickness 2.5 mm)
Durability in corrosive environments	Easy to rust and chemical reaction	Unstable in corrosive environments	Highly durable in corrosive environments
Longevity	> 6 years	> 15 years	> 15 years
Tensile strength	50 MPa	18 MPa	28 MPa
Bending strength	73 MPa	16 MPa	50 MPa
Bending	Easy	Impossible	Easy
Flammability	Non-flammable	Non-flammable but able tocause small explosions if heated	Non-flammable
Weight	500 kg	1350 kg	480 kg
THERMAL CONDUCTIVITY	6,52W/m.K	0,46W/m.K	0,071 W/m.K
NOISE RESISTANCE	Not good	Good	Good
HEAT RESISTANCE	Not good	Good	Good
CORROSION RESISTANCE	Not good	Unstable	Very good
Efficiency	92%	86%	94%
Delivery	Safe, low cost	Fragile, high cost	Safe, low cost
Installation	Fast, low cost	Fragile, high cost	Fast, low cost
Environment-friendly	Unrecyclable	Contain asbestos which can cause cancer	Environmentally friendly and recyclable products











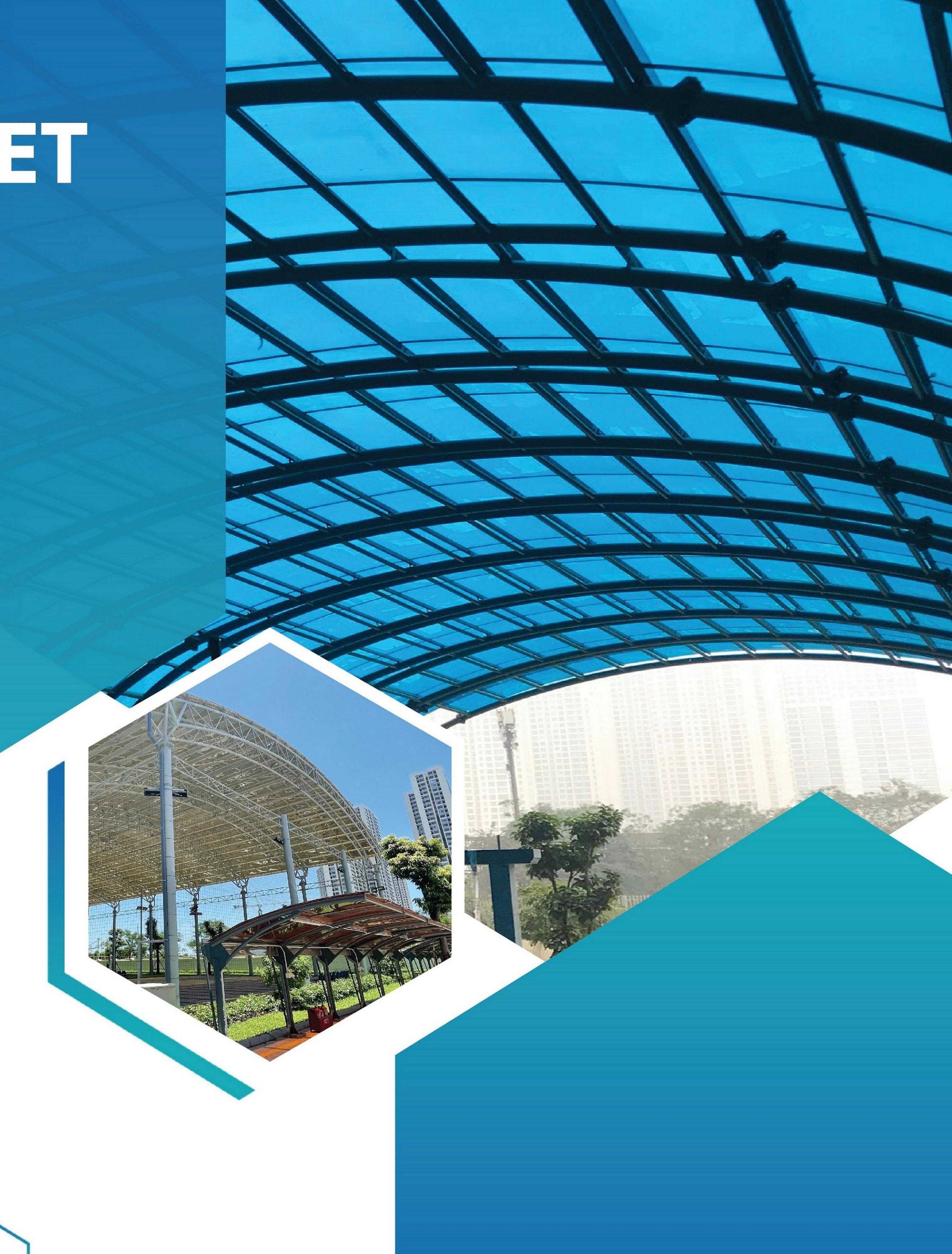
# LIGHT ROOFING SHEET

- > HEAT RESISTANCE
- > NOISE RESISTANCE
- > CORROSION RESISTANCE
- > ENVIRONMENT-FRIENDLY



VINAHOME GROUP

Level up your living space



# + LIGHT ROOFING SHEET

#### PRODUCT PROPERTIES

- High light transmission
- Outstanding UV resistance



UPVC Vinahome transparent roofing sheet is manufactured based on the most modern technology and PVC plastic according to European standards. Its main ingredient is PVC mixed with anti-UV additives and other chemical additives. The quality of material makes this plastic roofing sheet weather resistant, compatible with acids and alkalis as well as organic solvents.

## Specifications

Code	6 industrial waves			11 civil waves		
	ER-uPVC-1.0/6	ER-uPVC-1.2/6	ER-uPVC-1.5/6	ER-uPVC-1.0/11	ER-uPVC-1.2/11	ER-uPVC-1.5/11
Length	1.0 mm	1.2 mm	1.5 mm	1.0 mm	1.2 mm	1.5 mm
Length	6m or length according to customer's requirements customer requirements		6m or length according to customer's requirements customer requirements			
Total width	1130 mm	1130 mm	1130 mm	1080 mm	1080 mm	1080 mm
Effective width	1050 mm	1050 mm	1050 mm	1000 mm	1000 mm	1000 mm
Purlin distance	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
Weight	1.45±0.3kg/m <sup>2</sup>	1.75±0.3kg/m <sup>2</sup>	2.20±0.3kg/m <sup>2</sup>	1.5±0.3kg/m <sup>2</sup>	1.8±0.3kg/m <sup>2</sup>	2.3±0.3kg/m²

## **Applications**

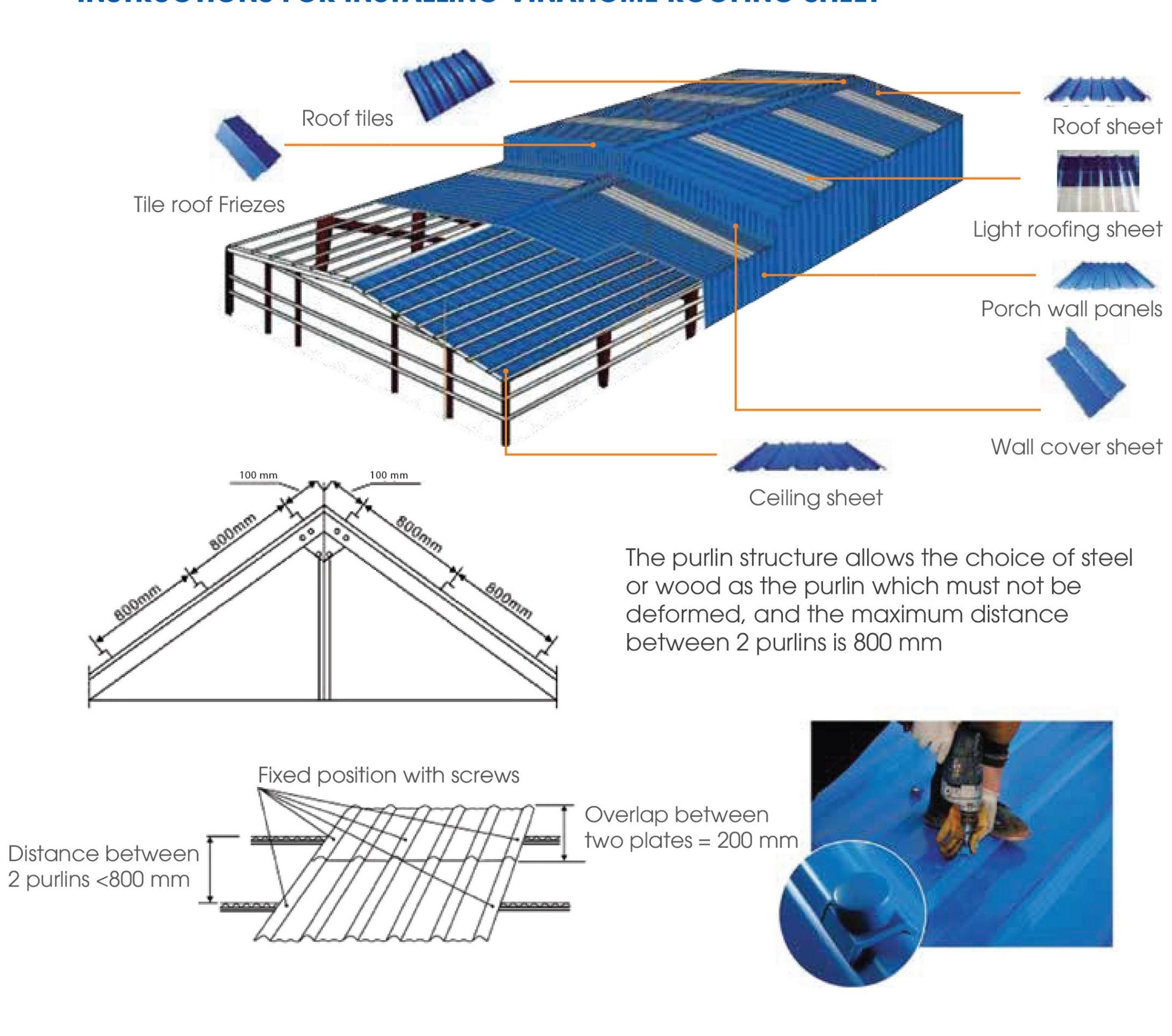
This kind of transparent roofing sheet is widely used for roof construction for farms, greenhouses, chemical plants, warehouses, steel structure buildings, farmers markets and garages.

This product offers the optimal roofing option for the construction of greenhouses and dormer as well as roofing systems with natural lighting requirements.





#### INSTRUCTIONS FOR INSTALLING VINAHOME ROOFING SHEET



#### INSTALLATION REQUIREMENTS

Roof sheet purlin distance	2mm ≤ 700mm	2.5mm ≤ 750mm	3.0mm ≤ 800mm
Light roofing sheet purlin distance	1.0mm ≤ 600mm	1.2mm ≤ 600mm	1.5mm ≤ 600mm

- Horizontal overlap must have a complete joining slope, with longitudinal overlap length >200mm
- When fixing by self-drilling, drill a hole first with an aperture that must be 50% larger than the screw diameter, and the screw should not be too tight to avoid tension, leading to local cracking on the roofing surface.
- The minimum number of fixed screws and plastic screws is 5 sets/square meter of roofing sheet to
  ensure that the structure and the roof are sufficiently resistant to strong winds.
- Slope and popular wind effects during the year should be considered for overlaps, meanwhile
  the arrangement of roofing and awnings should be against the popular local wind direction of
  the year, meaning that protruding face overlaps of the roofing sheet must be on the windless side.

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