

ASA uPVC

3 Layer Sheet
(Trapizoidal Wave)

Width: 1130 mm
Thickness: 2 mm - 3 mm
Wave Depth: 26 mm

ASA uPVC

3 Layer Sheet
(Circular Wave)

Width: 1130 mm
Thickness: 2 mm - 3 mm
Wave Depth: 16 mm

ASA uPVC

3 Layer Tiles
(Spanish Roof Tiles)

Width: 1050 mm
Thickness: 2 mm - 3 mm
Wave Depth: 30 mm

FRP Profile

Colored Profile Sheet
(Circular Wave)

Width: 720 mm
Thickness: 2 mm - 3 mm
Wave Depth: 16 mm

MS Profile

Colored Profile Sheet
(Trapizoidal Wave)

Width: 1060 mm
Thickness: 0.47 mm
Wave Depth: 35 mm

ASA uPVC

Fitting Accessories

- Main Ridg Tile**
Length: 1050 mm
Effective Length: 960 mm
- Tilted Ridg Tile**
Length: 1050 mm
Effective Length: 960 mm
- Right Eaves Board**
Length: 1050 mm
Effective Length: 960 mm
- Left Eaves Board**
Length: 1050 mm
Effective Length: 960 mm
- Positive Ridge Head**
Length: 300 mm
Width: 260 mm
Height: 100 mm
- Tee Tile**
Length: 160 mm
Width: 180 mm
Height: 180 mm
- Four-Way Tile**
Length: 300 mm
Width: 300 mm
Height: 300 mm
- Right Angle Tee Tile**
Length: 560 mm
Width: 280 mm
Height: 100 mm
- Rain Gutter Tile**
Length: 200 mm
Width: 90 mm
Height: 200 mm
- Tilted Ridge End Cap**
Length: 300 mm
Width: 90 mm
Height: 200 mm
- Waterproof Screw Set**
Sealed Cap, Sealed Lid, Sealed Rign, Self-Tapping Screw










Color Guide

Red Claret Brick Red Dark Green

Blue Blue Ash Gray White

Features	ASA uPVC Sheet (2.5 mm)	Common MS Profile Sheet
Flexural Strength	45-55 MP a	15 MP a
Tensile Strength	35- MPa	240- MPa
Pressure Prevention	Sheets rebound to original shape	Sheets become flat & damage
Thermal Conductivity	0.07 W/m. C°	15 W/m. C°
Wind Resistance	Withstant 200 km/h wind	Withstant 200 km/h wind
Weight of 1m² (kg)	3.5 kg	4.20 kg
Corrosion Resistance	Excellent for coasatl, salty, moist, acidic and corrosive environment	Very Poor performace in terms of corrosion
Chemical Neutral	Yes; Non reactive to almost all types of chemical.	No; Reactive to most chemical
Fire Resistance	Excellent; The material is non flammable, so it does not spread fire.	No fire resistance property
UV Resistance	Excellent UV Resistance	No UV Resistance
Moisture Resistance	Excellent moisture resistance in heavy rain.	No
Sound Insulation	Good absorbing effect. Dampens rain drop and high pitch sound. Quiet interior for peaceful living.	Very Poor sound insulation.
Life Span	> 25 years	< 5 years
Color Durability	>10 years without fading	Fades within a few years
Health Hazards	Nil. No Sharp edges.	Unsecure. Have Sharp Edges
Energy Efficient	Excellent due to superior thermal efficiency	Not energy efficient
Interior Effect	Keeps interior cool in summer and warm in winter	Keeps interior hot in summer and cold in winter
Saves Electricity Bill	Saves electricity bill for heating & cooling	No savings
Ease of Installation	Easily cut, drilled or worked with standard carpentry tools	Usually involves more labor and effort
Need for Insulation Materials	No insulation required	Additional insulation required to control temperature
Waterproof, Leaproof	Uses specialized waterproofing fastener accessoris to prevent water leakage.	Prone to easy leakage; No waterproofing.
Maintenance	Zero Maintenance throughout the lifespan	Frequent maintenance required
Investment & Maintenance scenario in 25 years	Invest 1 time only! No maintenance required!	Invest at least 4 to 5 times due to very short lifespan and frequent maintenance.

Major Advantages

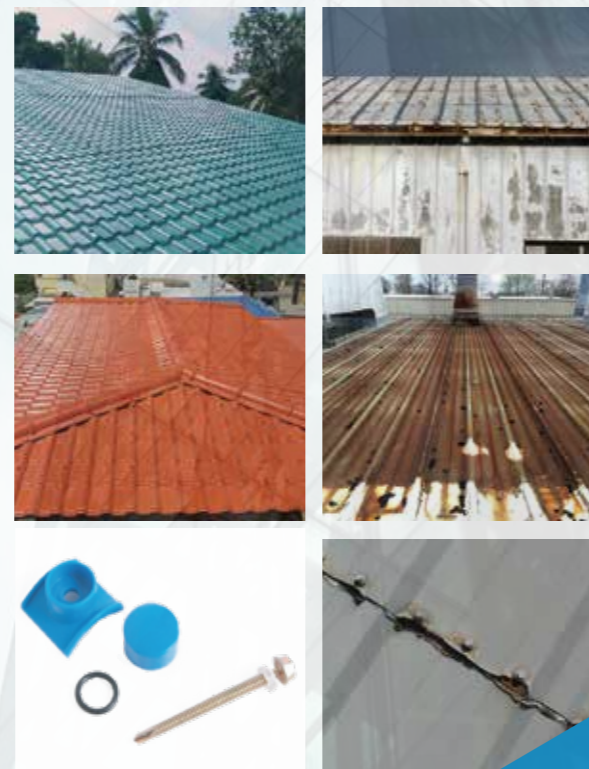
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Heat Insulation
 Reduces outside heat by 10% to 35%
 thermal conductivity 0.104WIMC
- 
Corrosion Resistance
 Acid-proof, alkali-proof
 insensitive to most chemicals
- 
Fire Retardant
 Oxygen index : 35°C
 Smoke consistency : SDR =55
 Horizontal firing : grade Fv-0
 Flat burning : FH-1 class B1 retardant
- 
Easy Installation
 Due to light weight
- 
Sound Insulation
 High frequency noise reduced
 by 6 times, low frequency noise
 reduced by 3 times
- 
Long Life
 Long life and high weatherability
- 
Eco Friendly
 Energy efficient, ECBC 2007
 100% recyclable, non carcinogenic
- 
Water Resistance
 Self cleaning system
 Leak proof Fastner system
- 
Cost Effective
 save construction and
 maintenance cost in the long run

Application Area

- ◆ Any Industrial sheds
- ◆ Commercial Spaces (warehouse, parking, shopping area etc)
- ◆ Paper mills (reduce dropping problem while condensing)
- ◆ Printing press, Food processing factory
- ◆ Dairy farm, Poultry farm etc
- ◆ Resorts, Farm-house, Banquet, Bungalow, Housing.
- ◆ Restaurants, Cottages, Schools, Hospitals, Auditorium,
- ◆ Sports academy, Outdoor-Indoor swimming pools etc)

in 5 years time

ASA uPVC vs MS Sheet



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uPVC MULTILAYER ROOFING SHEET & TILES

An Investment Worth Lifetime!

ASA uPvc roof sheet & tile adopts European advanced co-extrusion technology, using ASA high weather-resistant engineering plastic and PVC (polyvinyl chloride resin) as main material, mixing anti-UV and other chemical additives, which causes it to become high-quality ASA uPVC roof sheet and tiles.



The Multi-Layer Effect

The surface material (A layer): ASA high weather-resistant engineering plastic. Which ensures surface color will not fade in 10 years.

The backbone material (B layer): Lightproof modified PVC (polyvinyl chloride resin), with super rigidity and toughness, which block out sunlight and ensures strength and rigidity.

The sub-layer material (C layer): White, tough, and durable material, which can increase strength and sense of space and brightness for buildings.

Special Instruction

Purline Spacing

The space between purlines should be 700-800 mm, and the purlines should be arranged from bottom to top.

