

tagsten[®]
international



www.tagstenintl.com



IT'S ALL ABOUT ROOF

Tagsten makes available under one roof imported Roof Tiles, Asphalt Shingles, ASA Sythentic Resin Roof sheet & Trapezoidal UPVC sheet in various colors without compromising the traditional style of Kerala roof design. The quality of Tagsten roof products are matchless with any brand presently available in the market. Our products are 100% water proof, durable, heat insulated, sound proof and frost resistant.

Our products are manufactured from ISO certified factories to ensure highest quality.

No worries of aging - Zero fungi/Moss formation and MAINTENANCE FREE. The more wet the more glossy it looks.

One time investment for whole life..



OUR PRODUCTS

- Ceramic Roof Tiles
- ASA Synthetic Resin Roof sheet
- Trapezoidal UPVC sheet
- Asphalt Shingles

Ceramic Roof Tiles



ASA Synthetic Resin Roof sheet



Trapezoidal UPVC sheet



Asphalt Shingles



CERAMIC ROOF TILES



Ridge Tile



Hip end



3 way Ridge



Coffee Brown



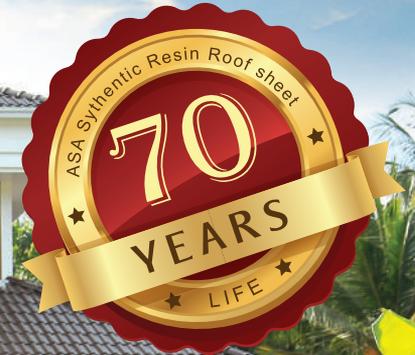
Blue Grey



Antique Red (Dotted)



Double Color



Anti color fade
Anti load capacity
Noise insulation

Strong and Durable
Heat insulation
Easy installation

TECHNICAL PARAMETER OF TAGSTEN CERAMIC ROOF TILE

CERAMIC ROOF TILES

ITEMS	CHINESE JC709-1998 ROOF TILE	TAGSTEN CERAMIC ROOF CAPABILITY
Water absorption	≤ 12.0	≤ 4.2
Banding Strength(Mpa)	≥ 8.0	35
Length Deviation (mm)	± 5	± 1
Width Deviation (mm)	± 4	± 0.5
Thickness Deviation	± 5	± 5
Thermal shock resistance	In the recycle of fast cold and fast hot, the tiles will not chap through 6-time test	Approved
Frost Proof	In the recycle of frost and thaw, the tiles will not chap through 15-time test	Approved
Resistance to acid and alkali	-----	UA Grade
Appearance quality	The defects can't be seen in 1 meter	-----
Distortion(mm)	≤ 2.0	-----

ASA SYNTHETIC RESIN ROOF SHEET



Villa | Loft | Gallery | Warehouse | Garden pavillion | Market

Features



Anti load capacity



Water resistant



Corrosion resistant



Fire retardent



Noise insulation



Shock resistant



Strong and Durable



Environmental friendly



Cost effective



Easy installation

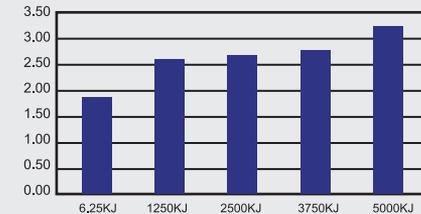


Heat insulation

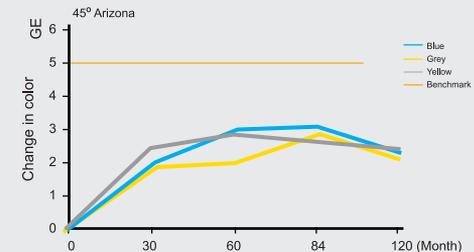
Excellent heat insulation performance

Thermal conductivity factor	w/m.k
PVC roof sheet	0.325
Clay roof sheet	100.75
Cement roof sheet	1.625
Steel roof sheet	65

Xenon weather resistance test for synthetic resin roof sheet



Conclusion drawn when the samples is shined with the sunlight at angle of 45° degrees in different places.



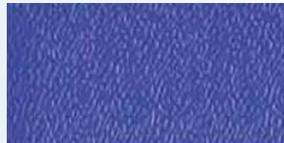
Conclusion drawn when the samples is shined with the sunlight at angle of 45° degrees in different places.



Result of 10 year regular outdoor weather resistance test for xingfa synthetic resin roof sheet



Blue



Indigo



Brick Red



Deep Green



Deep Grey

Width:1050mm

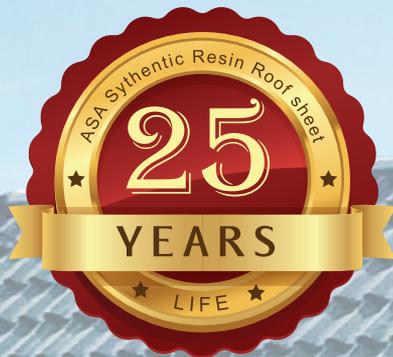
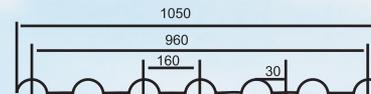
Efficient width:960mm

Thickness:2.3mm 2.3mm 2.5mm 2.8mm 3.0mm

Length:customized(times of unit length 219mm)

Purlin distance:660mm-880mm

Application:villa,residential roof etc



ASA SYNTHETIC RESIN ROOF SHEET

TRAPEZOIDAL UPVC SHEET



T1130

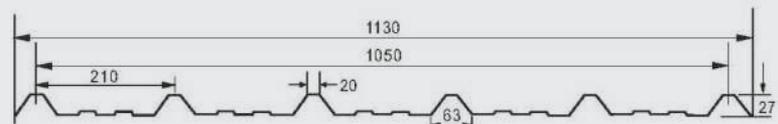
Width:1130mm

Efficient width:1050mm

Thickness:1.5mm 1.5mm 2.0mm 2.5mm 3.0mm

Length:customized

Application:roof,ceiling,wall panel etc





TRAPEZOIDAL UPVC SHEET

Comparison

Name of the product	Steel Tile Galvanized iron Tile	Asbestos Tiles	PVC Plastic Tile	Glass Fibre Tile	UPVC Heat Insulation Tile
Features	Thickness 0.43mm	Thickness 15mm	Thickness 2.0mm	Thickness 2.0mm	Thickness 2.0mm
Heat Insulation Comparison (Heat Transfer)	About 85%	About 55%	About 52%	About 40%	About 30%
Impact Resistance Tenacity and Strength	Impact resistance	Impact resistance	Impact resistance and stretch resistance	Poor impact toughness easy to fragile	Impact resistance and stretch resistance
Corrosion Resistance (Acid-proof and Alkali-proof)	Non-corrosion Resistance	Non-corrosion resistance	Corrosion resistance	Corrosion resistance	Corrosion resistance
Temperature Resistance	Heat expands. cold contracts	Flash dry and wet would cause to crack	Good stability	Good stability	Good stability
Sound Insulation	Non-sound insulation	Sound insulation	Sound insulation	Sound insulation	Good noise absorbing effect
Weatherability	Greatly influenced by temperature changes	Greatly influenced by temperature changes	Good weatherability	Good weatherability	Good weatherability
Effect on Health	Conform to the standard of use	Asbestos could be dangerous to health	Conform to the standard of use	Easy to cause skin allergy	Conform to the standard of use

ASPHALT SHINGLES

Structure

Mineral Surface Granules

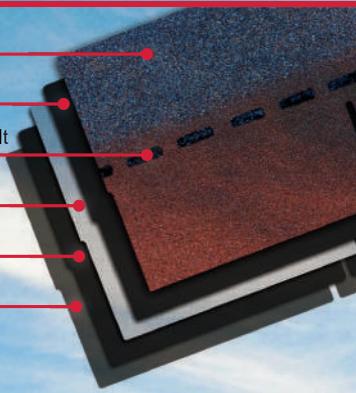
Weathering Grade Asphalt

Adhesive Self - Pastern with Hot Melt

Glass Fiber Melt

Weathering Grade Asphalt

Quartz Anti - Slip Sand



FIBERGLASS M

The quality of fiberglass melt determines the lifetime, crack resistance, waterproof performance and nails' durability of shingles. Due to the good flexibility, Saiteng's asphalt shingle can get flat again quickly after roll it up. Besides, the longitudinal and transverse tension of them reaches the ASTM D 3462.

GRANULES

Saiteng sintering granule is imported from France company GROUPE CARLAC, the global strategies partner. It is made by 800 degree high temperature calcinations 8 times, then go through the Acidic and alkaline environment. The color of the tile is pretty steady.

ASPHALT

Saiteng asphalt use high purity and mixed at a proper ratio to guarantee the promise of 20 year warranty of 3-tab shingles and 30 year warranty of laminated shingles.

ADHESIVE

With a strong heat resistance, Saiteng asphalt adhesive tape won't flow in high temperature.



COMPARE OTHER TILES

Criteria	Clay Tiles	Concrete Tiles (Colored)	Slate	Asphalt Shingle
Availability	Clay Tiles	Decent	Bad	Decent
Moisture Absorption	18-20%	4%	10-15	NIL
Color Availability	Only Terracotta	5-6	Bad	Decent
Patterns	Limited	Limited (1or2)	2-3	10-12
Breakage	Yes	Yes	Yes	No
Waterproof	Poor	Poor	N.A	Excellent
Steep Slope Application (<45 Degree)	Very Difficult	Very Difficult	Very Difficult	Yes
Algae/ Moss Resistance	No	Yes	N.A	Yes
Durability	Poor	Good	Good	Excellent

ASPHALT SHINGLES



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