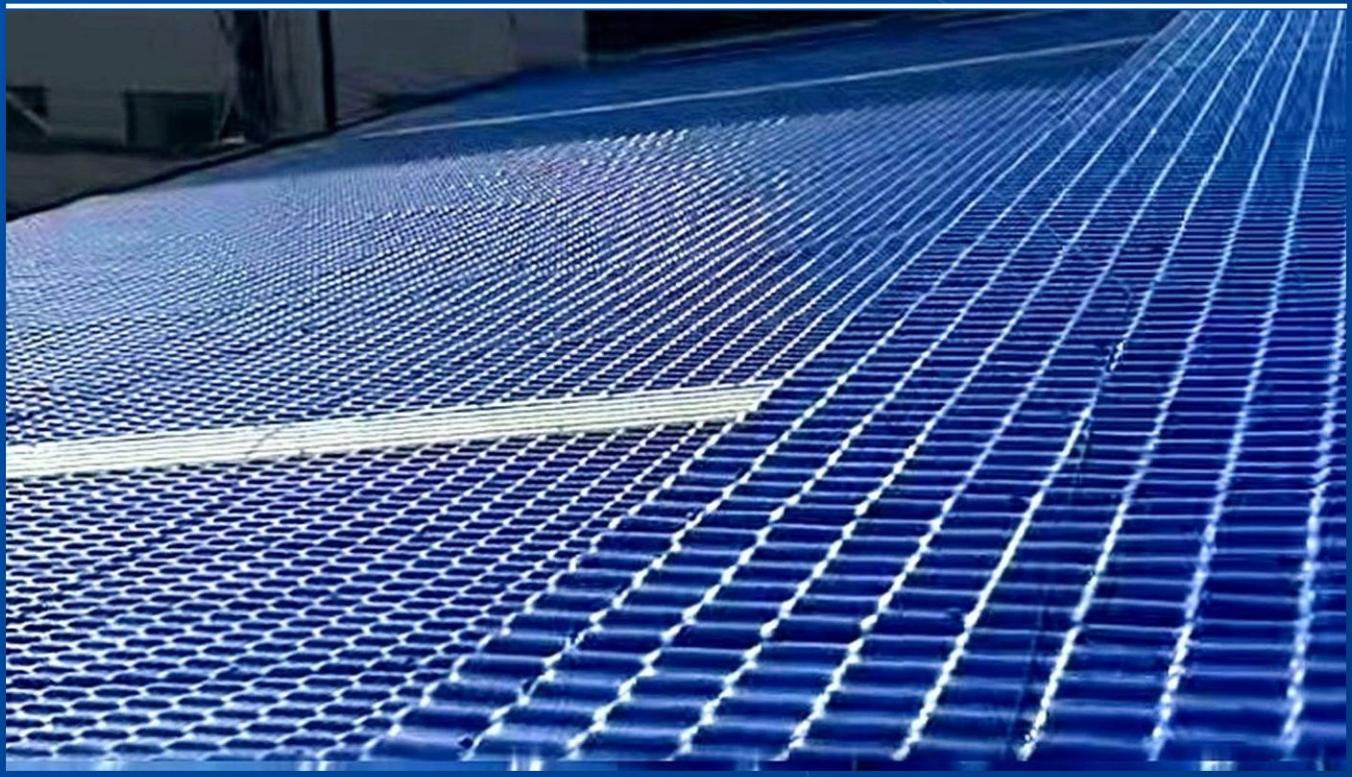
DESERT EXPERT TRADERS (PVT.) LTD.
Islamabad, Pakistan · www.dexsafety.net

PRODUCT CATALOGUE · 2026

ASA Synthetic Resin Roof Tile

A three-layer sheet: an ASA weathering skin co-extruded over a PVC core. Colour is held in the polymer itself, so the roof is designed not to chalk or fade the way a single-compound sheet does.

Bamboo-joint profile · 2.2–3.0 mm · 12 colours · up to 12 m lengths



SUPPLIED BY	Desert Expert Traders (Pvt.) Ltd., Islamabad, Pakistan
ADDRESS	House 569, Street 10, Ali Block, Bahria Town Phase 8, Islamabad
WHATSAPP	+92 323 1525249 · Office +92 51 8896759
EMAIL / WEB	info@dexsafety.net · www.dexsafety.net
REGISTERED	SECP registered · NTN verified · e-PADS registered supplier
PRODUCT	Imported ASA roof tiles; specifications subject to supplier confirmation

PRODUCT INTRODUCTION

ASA Synthetic Resin Roof Tile

A bamboo-joint profile in 2.2–3.0 mm, made to length up to 12 m.

01 Design
Traditional Chinese tile elements, blended with European and American styling — a roof that reads as a roof, not a corrugated sheet.

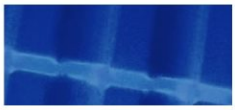
02 Material
High weather-resistant engineering resin (ASA) surface, durable under UV, moisture and extreme climate.

03 Technology
Single-step co-extrusion: an ASA weather layer bonded over a corrosion-resistant PVC substrate.

04 In service
Lasting colour, light weight, self-waterproofing, heat and sound insulation, corrosion-proof, fire retardant, easy to install.



STANDARD COLOURS


Deep Blue


Golden


Gray


Maroon


Sea Blue


Brick Red

Six of twelve standard shades. Custom RAL colours from 3,000 m²; accessories produced in the same batch and colour, so there is no tonal difference at the ridge line.

PARAMETERS

as tested and as shipped

Overall width	**1050 mm** — effective cover 960 mm (8.6 % lap)
Length	Made to order, up to 12 m
Wave pitch / height	219 mm / 28 mm, bamboo-joint profile
Thickness	2.2 / 2.5 / 2.7 / 3.0 mm, other thicknesses on request
ASA surface film	40–50 µm (A-grade) · 20–30 µm (B-grade)
Weight	≈ 2.0 kg per m², per mm of thickness
Cover / piece	0.384 m² · 2.6 pcs per m²
UV / fire	UPF 50+ · B1 (GB 8624)
Temperature	−30 °C ~ +80 °C
Service life	25–30 yrs A-grade · 10–12 yrs B · ≈ 8–10 yrs C

HOW THE SHEET IS BUILT

three layers, one pass

ASA weathering skin — 40–50 µm
Acrylic-styrene-acrylonitrile. Carries the colour and takes the UV; this is the layer that decides whether the roof still looks new after fifteen summers.

Bonding layer
Copolymeric tie layer, extruded in the same pass — no glue line, no delamination under thermal cycling.

PVC core
Rigid, corrosion-proof substrate carrying the mechanical load; the profile stays straight across the span.

Specifications follow the mill test report; thickness tolerances per GB/T 8814

WHY CHOOSE OUR TILE

Twelve points that decide whether a roof lasts

Each one is a test result or a property of the material, not a slogan.

01 Lasting colour
Imported high-weather ASA resin — colour stable under strong UV, heat, rain and cold.

02 Load capacity
660 mm support span, 150 kg load applied — no cracking, no surface damage.

03 Sound insulation
Absorbs heavy rain and wind noise far better than metal or colour-steel sheet.

04 Corrosion resistance
Resists acids, alkalis and salts — coastal sites and acid-rain regions included.

05 Impact and low temperature
1 kg steel ball dropped from 3 m without cracking; stays tough in hard winters.

06 Self-cleaning surface
Dense smooth surface — rain washes it clean, no mottled staining at the eaves.

07 Thermal insulation
Conductivity 0.325 W/m·K, about 1/310 of clay tile — a cooler roof in summer.

08 Fire performance
Flame-retardant formulation reaching B1 / V-0.

09 Waterproofing
Non-absorbent resin, 960 mm effective width — fewer seams, fewer places to leak.

10 Electrical insulation
Remains intact under accidental discharge; safe around lightning-prone sites.

11 Eco-friendly
No asbestos, no radioactive elements; fully recyclable at end of life.

12 Installation
Light sheet, hidden fastening, cut with an ordinary hand saw on site.

150 kg	3 m drop	0.325	B1
At 660 mm span, no damage	1 kg steel ball, no cracking	W/m·K thermal conductivity	Fire class, GB 8624

Test methods: load test on 660 mm purlin spacing; impact per GB/T 8814 drop test; thermal conductivity by guarded hot plate. Full test reports are issued with every order and can be sent in advance for tender submission.

ON SITE

four steps, one crew, hand tools



1 First course — set to the eave board and squared to the eave line.



2 Lap and fix — hidden fastener under the lap, 6–7 screws per m².



3 Ridge and flashing — same-batch pieces close the ridge line; the roof is then walked and checked.

ACCESSORIES

A roof is a system, not a sheet

Main tile, ridge, eave, flashing and fastener — one colour, one batch, one container.

Ridge & hip	Main ridge tile · tilted ridge · two-way ridge · three-way ridge · four-way ridge Cover the ridge line and hip junction; produced in the same batch as the main tile so the colour matches at the highest point of the roof.
Eaves & edge	Eaves board L/R · J-shaped eave tile · 90° eaves board Close the eave and the external corner; the board turns the last course down so water leaves the roof instead of the fascia.
Flashing	Drain board (drip edge) · semi-circular drain board · antique drain board · 90° gable flashing · 120° vertical wall flashing · 135° corner deflector Seal the junction with walls, gables and valleys — the places where a roof actually leaks.
Finish	Decorative cornice · ridge end cap The pieces the client sees: they carry the style of the roof and are the first thing a buyer inspects on a sample.
Fasteners	Self-tapping screw with sealing washer · wood screw · colour-matched sealing cap · EPDM sealing ring · sealing cover 6–7 screws per m², each with ring and cap; the cap hides the fastener and closes the hole against water.



Ridge and hip detail in service: the joint is the part a client looks at first, and the part most suppliers get wrong on colour.

QUANTITY TAKE-OFF & QUOTATION

Send Desert Expert Traders your roof plan or roof area. We prepare a quantity take-off for main tiles and all accessories, item by item, with a written quotation for your project.

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TAKE-OFF EXAMPLE

100 m² of cover, 8 m ridge, 12 m eave

ITEM	RULE OF THUMB	QUANTITY	UNIT
Main tile, 2.5 mm A-grade	100 m² ÷ 0.384 m² per piece	260	pcs
Ridge tile	1 piece per 3 m of ridge	3	pcs
Eave board, left + right	1 piece per 0.96 m of eave	13	pcs
Gable flashing	per 0.96 m of gable edge	9	pcs
Self-tapping screws with cap and ring	6.5 per m² including waste	650	pcs

Figures are the rule of thumb we quote from; the actual take-off is made item by item against your drawing, plus 5 % for cuts and breakage.

Quantities take-off supplied against a roof plan

PROVEN IN THE FIELD

Project cases

Villas, housing blocks and commercial roofs, in twelve of our standard colours.












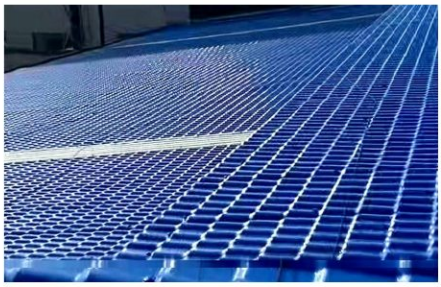

Full photo albums, installation videos and project references for your market are available on request — including completed roofs in Pakistan, the Gulf and South-East Asia, with the buyer's consent.

One colour, whole roof

Ridge, eave and flashing come off the same line as the sheet, so the finished roof has no tonal seam at the ridge.

Installed by local crews

Light sheet, hand-saw cuts, hidden fastening: no specialist subcontractor is needed, and we send an installation guide with each container.

After the first rainy season

The reference we care about is the roof a year later: no chalking, no staining at the eaves, no loose fastener.

Photographs from completed projects; details on request

CONTACT US

Your ASA roofing partner in Pakistan

Desert Expert Traders (Pvt.) Ltd. supplies ASA synthetic resin roofing tiles and matching accessories for homes, villas, farmhouses, housing societies and commercial projects across Islamabad, Rawalpindi, Lahore and beyond.

Roof measurement

Site measurement or take-off from your drawings.

Thickness advice

2.2 / 2.5 / 2.7 / 3.0 mm based on spans and use.

Accessories

Ridge, eave, flashing and sealed fasteners.

Samples

Colour cards and samples on request.

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Established 2020 · Islamabad, Pakistan

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HOURS	Monday – Saturday, 9 AM – 8 PM
REGISTERED	SECP · NTN · e-PADS registered supplier

Specifications, test data and service-life figures in this catalogue are provided by the manufacturer and are subject to supplier confirmation and the technical documents for each order. Colours shown in print or on screen may differ from the actual product; please confirm with a physical sample. Prices are quoted per project.