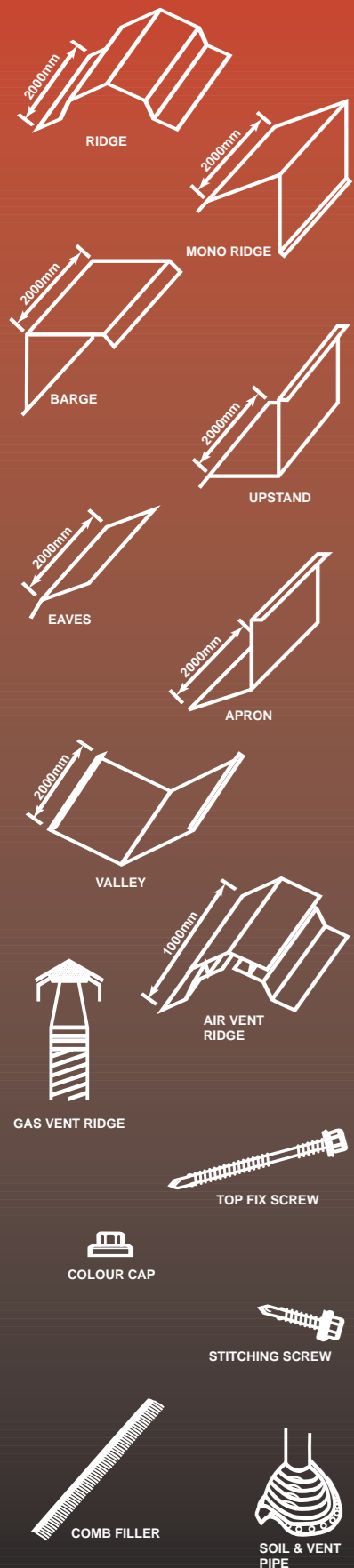
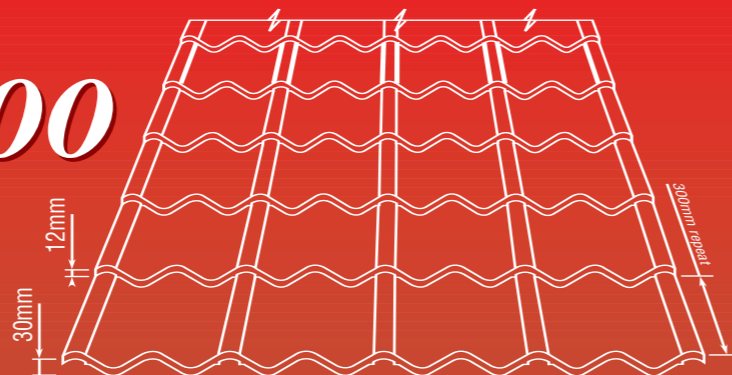




# PANTILE 2000



## ADVANTAGES

- Designed to give a traditional tile appearance.
- Lightweight.
- Minimum pitch 5°.
- Good vandal resistance (0.9mm – steel base).
- Easy to handle.
- Offers reduced structure.
- Quick installation.
- Less labour intensive.
- Cost effective.
- Virtually maintenance free.
- Extensive range of accessories and flashings available.
- Fully dry-fixed.
- Guaranteed for 30-years against weather penetration.
- Full technical support available.

## TECHNICAL DATA

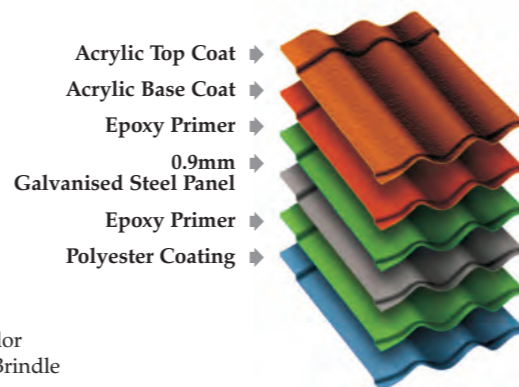
- Min. pitch:** 5°
- Max. pitch:** 90°
- Overall width:** 1080mm
- Cover width:** 1040mm
- Side lap:** 40mm
- Step:** 12mm
- Purlin Centres (max):** 1500mm
- Individual tile module:** 300mm
- Maximum sheet length:** 6 m (over 6m for special orders)
- Steel base:** 0.9mm
- Weight as laid per m<sup>2</sup>:** 11kg
- Base coat:** Acrylic resin.
- Top coat:** Pigmented mineral filled acrylic.
- Colours available:** Charcoal, Terracotta, Mid Grey, Tudor Brown, Antique Red, Sage Green. Brindle available on request.
- Chemical resistance:** Unaffected by normal pollution.
- Biological resistance:** Non toxic fungicide incorporated.
- Fire resistance:** AA classification equal to traditional roof tiles and slates.
- Fixings:** The contractor shall utilise the roofing manufacturers recommended fixings and sealant.
- Ventilation:** Roof ventilation should meet recommendations of Building Regulations 1991 (amended '92, '94). Approved Document F2 1995 'Condensation in roofs', BS 5250: 1989 'Control of condensation'.



Pantile 2000 ridge to eaves sheets are BBA approved for roof pitches as low as 5 degrees.



The rigidity of the Pantile 2000 lightweight sheets permit direct fixing to reinforced concrete purlins with no additional support required.



## SUITABLE FOR THE FOLLOWING TYPES OF PROJECTS

- Converting flat roofs to pitched.
- Non traditional/traditional housing.
- Pre-fabricated buildings.
- Holiday centre accommodation.
- Community Centres.
- Re-roofing of schools/prisons.
- Over-roofing of asbestos/felt/industrial sheeting.

## APPROVALS

British Board of Agrément certificate number. 89/2272.  
Manufactured using ISO 9001 approved materials.



The Pantile 2000 fast-track roofing system considerably reduces time on site, keeping disturbance to a minimum.



As well as providing individually tailored sheet lengths to suit each project. Britmet Tileform can provide special flashings for application requirements.



The Pantile 2000 ridge to eaves sheets can be fixed to a steel/timber sub-structure, as in this flat to pitched roof conversion.

## Complies with:

The Building Regulations 2000 (as amended) England & Wales.  
Requirement B3(4) Internal fire spread (structure)  
Requirement B4(2) External fire spread  
Requirement C2(b) Resistance to moisture  
Regulation 7 Moisture and workmanship  
The Building (Scotland) Regulations 2004  
Regulation 8 Durability, workmanship and fitness of materials  
Regulation 8(1) Durability, workmanship and fitness of materials  
Regulation 9 Building standards - construction  
Standard 2.1 Compartmentation  
Standard 2.2 Separation  
Standard 2.8 Spread from neighbouring buildings  
Standard 3.10 Precipitation  
Regulation 12 Building standards - conversions  
The Building Regulations (Northern Ireland) 2000  
Regulation B2 Fitness of materials and workmanship  
Regulation C4 Resistance to ground moisture and weather  
Regulation E4 Internal fire spread - Structure  
Regulation E5 External fire spread  
Ventilation systems comply with Building Regulations 1990(F2) & BS5250 (1989)



TABLE 1

### RECOMMENDED TIMBER BATTEN SIZES (roofing & vertical applications)

Rafter or truss spacing (mm)	Minimum nailing requirements	Batten Width mm	Batten Depth mm
450	1 no 75mm x 3.35mm	38	38
600	1 no 75mm x 3.35mm	50	38
900*	1 no 100mm x 4.00mm	50	50
1200*	1 no 100mm x 4.00mm	50	50
1500*	1 no 125mm x 12g screw	50	75

\*underlay supports between rafters/truss to be used, (wire support or nylon tape).

TABLE 2

### RECOMMENDED ROOFING UNDERLAY

Roofing underlay is required & should comply with recommendation's of BS 5534: Part 1: 1997 & BS 8000	
Unsupported (roofing underlay draped over rafters or counter-battens)	Roofing underlay should comply with BS747 type 1F or 5U
Fully supported (roofing underlay laid directly to boarding or sarking)	Roofing underlay should comply with recommendation's of BS5534: Part 1: 1997 section 2.10.2 and vapour transmission tested in accordance with BS 3177 (n.b. good quality BS 747 type 1F underlay comply with this test)

TABLE 3

### RECOMMENDED LAPS FOR UNDERLAY

Pitch	Minimum headlap		Minimum Sidelap
	Not fully Supported	Fully Supported	
5° to 9°	300mm	200mm	100 - 150mm
12½° to 14°	225mm	150mm	100 - 150mm
15° to 34°	150mm	100mm	100 - 150mm
35° & above	100mm	75mm	100 - 150mm


NB. Any penetrations to the underlay should be suitably sealed to prevent water ingress. Roofing underlay laps to valleys should comply with recommendations of BS 5534: Part 1:1997 section 4.2.1.6

TABLE 4


### LENGTHS & LAPPING

Thickness	Maximum Length	Maximum Span	Side Lap	End Lap 10° - 90°	End Lap 5° - 9°
0.9mm	6m	1500mm	40mm	75mm	300mm

Over 6m can be achieved for special orders



Britmet Tileform has one of the widest ranges of lightweight Tile/Slate effect roofing systems available on the market today. To view our up-to-date product information, please visit our web-site.



Offers instant access to: Performance properties, full range of product applications photographs, product information, specifications, technical drawing library (CAD & .BMP format) and much more.