

July 2009

Uniclass

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CI/SfB (47) Nh2



PANTILE 2000

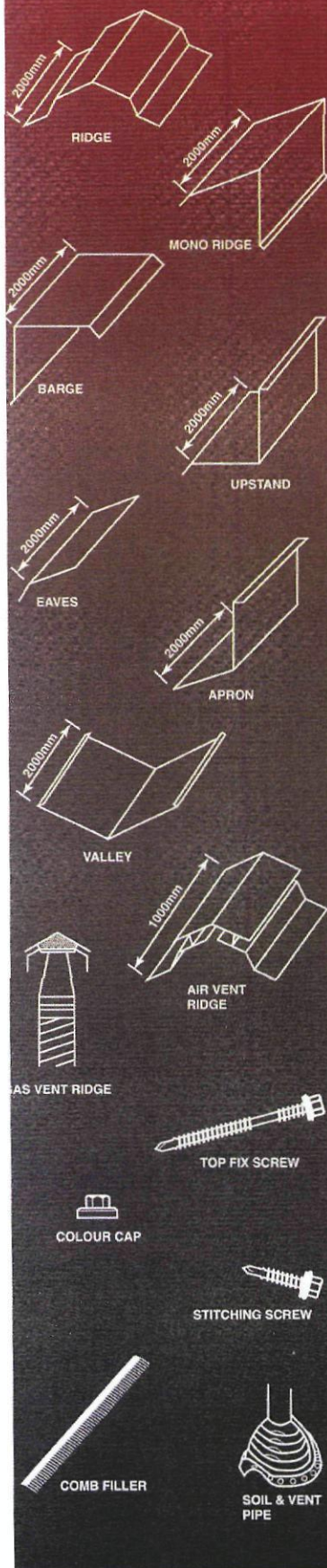
BTL

BRITMET TILEFORM LIMITED

PANTILE 2000



40mm Side Lap
Overall Width: 1080mm
Cover Width: 1040mm



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.



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

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 ² :	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'.

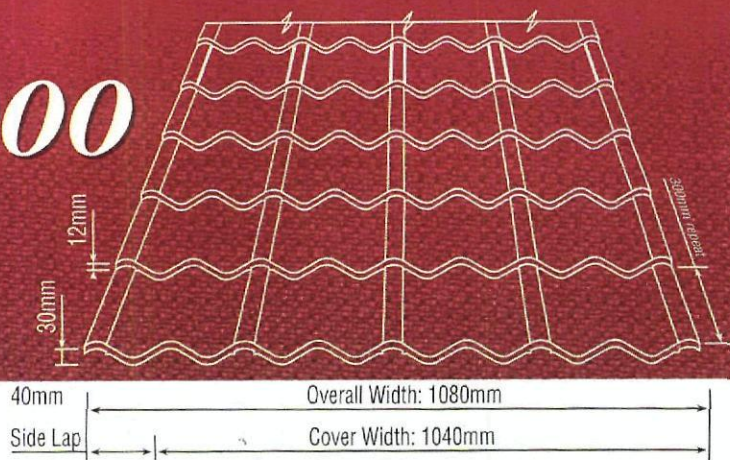


The rigidity of the Pantile 2000 lightweight sheets permit direct fixing to reinforced concrete purlins with no additional support required.

- Acrylic Top Coat
- Acrylic Base Coat
- Epoxy Primer
- 0.9mm Galvanised Steel Panel
- Epoxy Primer
- Polyester Coating



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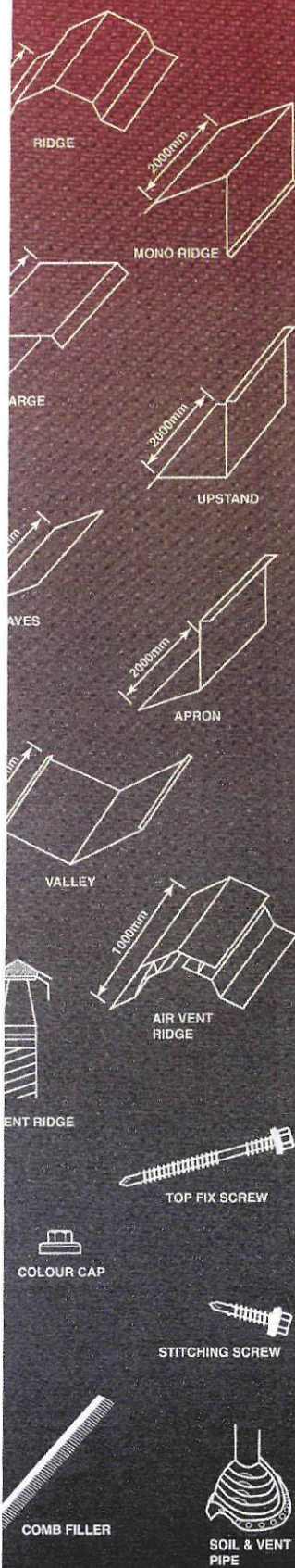
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SUITABLE FOR THE FOLLOWING TYPES OF PROJECTS

- 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 Agreement certificate number 89/2272
Manufactured using ISO 9001 approved materials.

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 - conversion
The Building Regulations (Northern Ireland) 2000
Regulation B2 Fitness of materials and workmanship
Regulation C3 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 BATTEEN 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

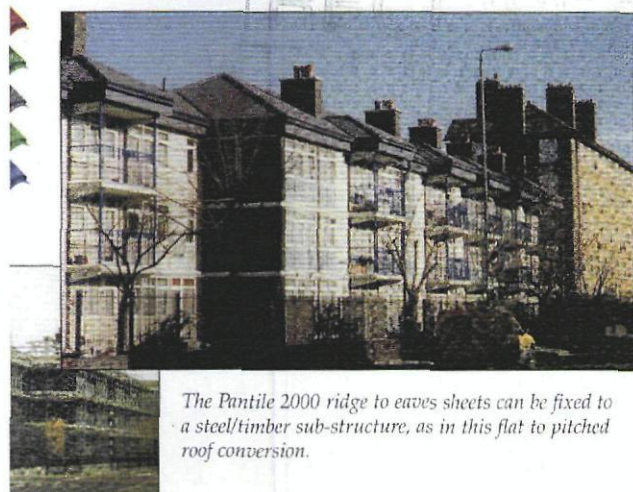


The Pantile 2000 fast-track roofing system considerably reduces time on site, keeping disturbance to a minimum.



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

21 FEB 2011



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



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.