

# THE TARNHOW DOME TIMBER CANOPY

## Data Sheet

The Tarnhow Dome is a freestanding canopy constructed from curved glued laminated timber for a natural, yet modern and striking appearance.

### Dimensions:

Length:	Unlimited
Width/Projection:	Up to 16 metres
Height:	To your specification
Spacing Between Posts:	Up to 6 metres



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### Features:

Wall Mounted or Freestanding:	Freestanding
Suitable for:	Education   Hospitality   Leisure   Retail   Commercial   Healthcare
Guarantee:	N/A
Life Expectancy:	Up to 15 Years
Maintenance:	Periodic cleaning only; retreatment approximately every 4-5 years is recommended.
Installation Type:	Permanent
Retractable/Collapsible:	No
Method of Fixing:	The timber posts are doweled to steel bases which are fixed to galvanised steel feet made from (up to) 300mm (h) x 190mm box section with a 250mm x 250mm base plate, and internal steel plate 400mm x 120mm. Base plate fixed to foundation pad using M16 threaded rods with resin anchor - foundation pads vary according to canopy size

### Frame Specifications:

Construction Material:	Columns, eaves beams, curves and rafters are GL24h European Whitewood Glulam with MUF adhesive and 45mm laminations. Purlins are C24 regularised timber. All timber can be supplied with PEFC certification
Guttering:	uPVC guttering and downpipes fitted as standard
Frame Finish:	Stained with Remmers Aqua MSL-45 as standard
Colour Options:	Choice of stain colours as shown overleaf
Fixings:	All visible fixings are timber to give an attractive fully timber finish

### Roof Specifications:

Roof Frame:	Curved Glulam timber beams with aluminium roof bars
Roof Covering:	Choice of 5mm solid or 16mm structured polycarbonate panels
UV Protection:	Over 98%   This also means the roof panels will not turn yellow over time due to UV degradation
Light Transmission:	The 16mm polycarbonate offers 73% for clear panels and 35% for opal panels The 5mm polycarbonate offers 92% for clear panels and 47% for opal panels
Strength:	Vandal and shatter resistant   200 times stronger than glass
Colour Options:	Available in clear and opal
Temperature Resistance:	From -20°C to +100°C

## International Standards:

**Fire Ratings:** Roof panels: European standard BS476 Part 7 class 1 fire and EN 13501 B-S1, D0.  
Timber frame: Fire resistant to European standard BS 5268

**CE Marked** Yes to UKCA BS EN1090-1:2009+A1:2011

**Timber Performance:** Complies with the requirements of British Standard BS EN 386: 2001

## Colour Options:

	Standard Colours	Non Standard Colours (Additional costs may apply)
<b>Timber Framework</b>	Our standard colours are: 	N/A
<b>Aluminium Roof Bars</b>	 White	Any RAL colour
<b>Roof Covering</b>	 Clear Opal White	N/A

## Weather Protection:

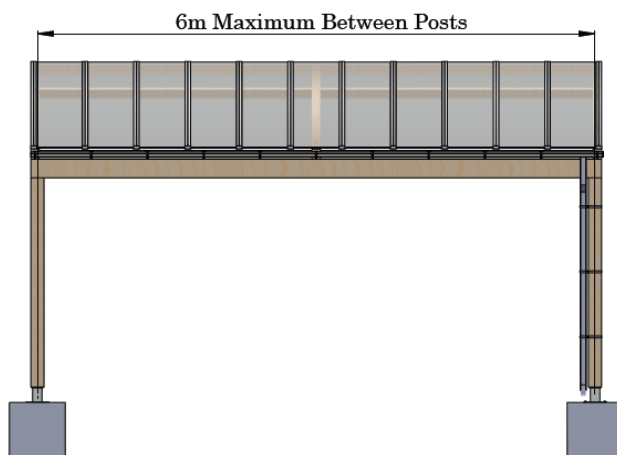
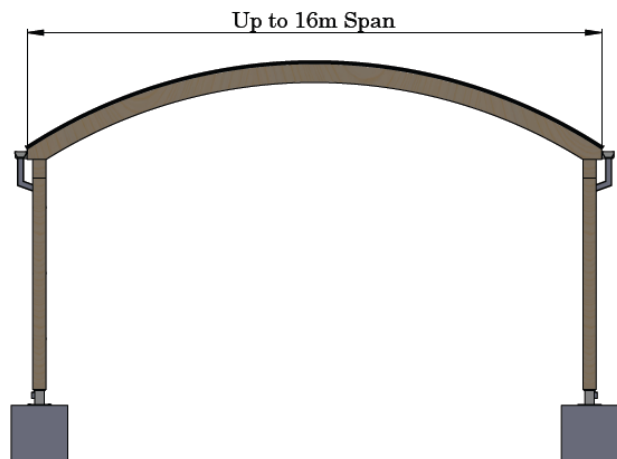


## Available Upgrades:

Post Pads	✓
Signage	✓
Polycarbonate Side & Front Fills	✓
Tensile Fabric Side Panels	✓
Rainbow Package	✓
Roller Shutters	✓
Coloured Polycarbonate	✗

## Technical Files Available:

PDF CAD File	✓
DXF CAD File	✓
IGES CAD File	✓
STL CAD File	✓
BIM File	✓
NBS Spec	✓



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