

Batten Sizing's for Non-Cyclonic Regions

Gerard Roofs pressed steel tiles may be installed to timber battens of different Rafter spacing's. The batten thicknesses and width is dependent on the rafter spacing and wind load factors at the edge of the roofs.

Table 1 – Hardwood batten thickness and rafter spacing's guide.

Batten Spacing 370mm									
Timber Unseasoned Hardwood F11									
Batten Size Depth x Width (mm)		25 x 50		38 x 38			38 x 50		
Rafter Spacing		600	900	600	900	1200	600	900	1200
Wind Classification	N1	S	NS	S	S	S	S	S	S
	N2	S	NS	S	S	S	S	S	S
	N3	S	NS	S	S	S	S	S	S
	N4	NS	NS	S	S	S	S	S	S

S - Suitable NS - Not Suitable

AS1684.2 N1/N2 N3,N4 Sup 13 2010.

Table 2 – Softwood batten thickness and rafter spacing's guide.

Batten Spacing 370 mm									
Timber Unseasoned Softwood F5									
Batten Size Depth x Width (mm)		25 x 50		38 x 38		38 x 50		50 x 50**	
Rafter Spacing		600	900	600	900	900	1200	900	1200
Wind Classification	N1	NS	NS	S	NS	S	NS	S	S
	N2	NS	NS	S	NS	S	NS	S	S
	N3	NS	NS	S	NS	S	NS	S	S
	N4	NS	NS	S	NS	S*	NS	S	S

S - Suitable NS - Not Suitable

* CTS Testing, LHL, C3 -7.39 kPa, 2012

** Increased batten rafter connection required N3/N4

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