

Batten Sizing 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.

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

Table 1 Hardwood Batten Thickness and Rafter Spacings Guide

S - Suitable

NS - Not Suitable

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

Batten spacing 370mm		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

Table 2 Softwood Batten Thickness and Rafter Spacings Guide

S - Suitable

NS - Not Suitable

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

** Increased batten rafter connection required N3/N4

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