

**TOP PLATES for MASONRY WALLS**  
– SINGLE or UPPER STOREY

**SHEET ROOF**

The following spantables provide an overview of WESPINE product performance in the application of top plates for masonry walls under sheet roof.

**Wind Classification N1/N2:**

		Rafter/Truss Spacing (mm)								
		600			900			1200		
Tie-down Spacing (mm)		600	900	1200	600	900	1200	600	900	1200
Size DxB (mm)	Stud Spacing (mm)	Maximum Roof Load Width (mm)								
90x35 MTP*	0	7500	6400	4700	5500	4200	3100	3900	2900	2300
70x35 MGP10	0	7500	6900	5100	5900	4500	3400	4200	3100	2500
90x35 MGP10	0	7500	7500	5800	6800	5100	3900	4800	3600	2900
70x45 MGP10	0	7500	7500	7500	7500	7100	5300	6600	5000	4000
90x45 MGP10	0	7500	7500	7500	7500	7500	6300	7500	5900	4700
90x35 MGP12	0	7500	7500	7500	7500	7500	6800	7500	6300	5100
70x45 MGP12	0	7500	7500	7500	7500	7500	7500	7500	7300	5900
90x45 MGP12	0	7500	7500	7500	7500	7500	7500	7500	7500	6900

\* MTP refers to WESPINE product 'Masonry Top Plate'

**Wespine Industries Pty Ltd**

Tel +61 8 9725 5777    PO Box 1320,    241 Moore Road,  
Fax +61 8 9725 4559    Bunbury, WA, 6231    Dardanup, WA 6236

ABN 88 052 954 337

**Wind Classification N3:**

		Rafter/Truss Spacing (mm)								
		600			900			1200		
Tie-down Spacing (mm)		600	900	1200	600	900	1200	600	900	1200
Size Dx B (mm)	Stud Spacing (mm)	Maximum Roof Load Width (mm)								
90x35 MTP*	0	5200	3500	2600	3000	2300	1700	2100	1600	1300
70x35 MGP10	0	5600	3800	2800	3200	2500	1800	2300	1700	1400
90x35 MGP10	0	6400	4300	3200	3700	2800	2100	2600	2000	1600
70x45 MGP10	0	7500	6000	4400	5100	3900	2900	3600	2700	2200
90x45 MGP10	0	7500	7100	5200	6100	4600	3500	4300	3200	2600
90x35 MGP12	0	7500	7500	5600	6500	5000	3700	4600	3500	2800
70x45 MGP12	0	7500	7500	6500	7500	5800	4400	5300	4000	3200
90x45 MGP12	0	7500	7500	7500	7500	6800	5100	6300	4800	3800

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**Wind Classification N4:**

		Rafter/Truss Spacing (mm)								
		600			900			1200		
Tie-down Spacing (mm)		600	900	1200	600	900	1200	600	900	1200
Size Dx B (mm)	Stud Spacing (mm)	Maximum Roof Load Width (mm)								
90x35 MTP*	0	3200	2200	1600	1900	1400	1000	1300	1000	800
70x35 MGP10	0	3500	2300	1700	2000	1500	1100	1400	1000	800
90x35 MGP10	0	4000	2700	2000	2300	1700	1300	1600	1200	1000
70x45 MGP10	0	5500	3700	2700	3200	2400	1800	2200	1700	1300
90x45 MGP10	0	6500	4400	3200	3800	2900	2100	2600	2000	1600
90x35 MGP12	0	7000	4700	3500	4100	3100	2300	2900	2100	1700
70x45 MGP12	0	7500	5500	4000	4700	3600	2700	3300	2500	2000
90x45 MGP12	0	7500	6500	4800	5600	4200	3200	3900	3000	2400

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## NOTES:

- i) Maximum roof load widths are based on the support of a maximum total sheet roof, framing and ceiling mass of 40kg/m<sup>2</sup>
- ii) Sheet roof systems are to be constructed according to AS1684.2

The above spantables are engineer designed and certified to AS1720 Timber structures code, AS1684 Residential timber framed construction –Part 2 Non-cyclonic areas, AS1170 Loading code, and AS4055 Wind load for housing.

Tie down systems must be constructed in accordance with Building Code of Australia Class 1 & Class 10 Building Housings Provisions (Section 3.3.3, Vol 2).

Feel free to copy and/or forward this technical update to colleagues. For further information and technical assistance, contact:

Wespine Industries Pty Ltd  
on free-call number **1800 018 888**,

**Wespine Industries Pty Ltd**

Tel +61 8 9725 5777 PO Box 1320, 241 Moore Road,  
Fax +61 8 9725 4559 Bunbury, WA, 6231 Dardanup, WA 6236

ABN 88 052 954 337

[www.wespine.com.au](http://www.wespine.com.au)