

SPAN TABLES

Residential Joist Loading

Dead Load = 40kg/sqm, Live Load = 1.5kPa/1.8kN

meyBASE4	Floor Joist Spacing (mm)							
	300	350	400	450	300	350	400	450
	Maximum Single Span (mm)				Maximum Continuous Span (mm)			
44x44 F7	250	250	250	250	250	250	250	250
66x44 F7	650	600	600	600	1000	850	800	750
88x44 F7	1500	1400	1300	1200	2200	1750	1600	1500
138x44 F7	2900 (2500)	2600 (2400)	2400 (2300)	2250 (2200)	3500	3400 (3300)	2900 (2800)	2750 (2600)

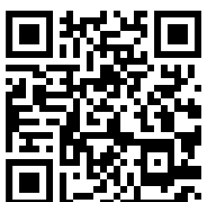
Commercial Joist Loading

Dead Load = 40kg/sqm, Live Load = 4.0kPa/1.8kN

meyBASE4	Floor Joist Spacing (mm)							
	300	350	400	450	300	350	400	450
	Maximum Single Span (mm)				Maximum Continuous Span (mm)			
44x44 F7	250	250	250	250	250	250	250	250
66x44 F7	650	600	600	600	1000	850	800	750
88x44 F7	1200	1100	1050	1000	1600	1450	1350	1250
138x44 F7	1950 (1800)	1850 (1700)	1750 (1600)	1700 (1550)	2550 (2400)	2400 (2250)	2250 (2150)	2100 (2000)

NOTES:

1. Values may also be used for heavy decks to 100kg/sqm with values in brackets to be used where included.
2. Provide minimum 35mm bearing at end supports and 45mm bearing on internal supports.
3. Use continuous span only where span variation is less than 10%. Otherwise use single span values.
4. Span tables created using AS/NZS 1170 loading code, AS 1720.3-2016 and established engineering principles.
5. Joist tables assume low to ground application (<1.0m from ground).



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