

Ecojoist Span Tables For Domestic and Office Floor Loading

(Using GN Roof Version 2015, deflections governed by EC5 vibration check)

Global Loading

V2-9 219mm deep		
Centres	Timber Size	Span
400	47 x 72	4940
	47 x 97	5300
	47 x 122	5590
600	47 x 72	4430
	47 x 97	4850
	47 x 122	5180

RSD Loading

Centres	Timber Size	Span
Not available for RSD Minimum depth 254mm		

Office Loading

V2-9 219mm deep		
Centres	Timber Size	Span
400	47 x 72	4140
	47 x 97	4520
	47 x 122	4840
600	47 x 72	3550
	47 x 97	3780
	47 x 122	4020

V2-10 254mm deep		
Centres	Timber Size	Span
400	47 x 72	5430
	47 x 97	5820
	47 x 122	6150
600	47 x 72	5100
	47 x 97	5580
	47 x 122	5900

V2-10 254mm deep		
Centres	Timber Size	Span
400	47 x 72	5400
	47 x 97	5820
	47 x 122	6150
600	47 x 72	4750
	47 x 97	5200
	47 x 122	5550

V2-10 254mm deep		
Centres	Timber Size	Span
400	47 x 72	4770
	47 x 97	5220
	47 x 122	5580
600	47 x 72	3800
	47 x 97	4400
	47 x 122	4800

V2-12 304mm deep		
Centres	Timber Size	Span
400	47 x 72	5900
	47 x 97	6330
	47 x 122	6680
600	47 x 72	5660
	47 x 97	6050
	47 x 122	6400

V2-12 304mm deep		
Centres	Timber Size	Span
400	47 x 72	5900
	47 x 97	6330
	47 x 122	6680
600	47 x 72	5200
	47 x 97	5620
	47 x 122	6020

V2-12 304mm deep		
Centres	Timber Size	Span
400	47 x 72	5240
	47 x 97	5680
	47 x 122	6050
600	47 x 72	4170
	47 x 97	4750
	47 x 122	5050

V2-14 375mm deep		
Centres	Timber Size	Span
400	47 x 72	6560
	47 x 97	6920
	47 x 122	7220
600	47 x 72	5840
	47 x 97	6150
	47 x 122	6370

V2-14 375mm deep		
Centres	Timber Size	Span
400	47 x 72	6600
	47 x 97	7100
	47 x 122	7500
600	47 x 72	5850
	47 x 97	6620
	47 x 122	7100

V2-14 375mm deep		
Centres	Timber Size	Span
400	47 x 72	5850
	47 x 97	6700
	47 x 122	7200
600	47 x 72	4560
	47 x 97	5320
	47 x 122	6100

V2-16 425mm deep		
Centres	Timber Size	Span
400	47 x 72	6600
	47 x 97	7100
	47 x 122	7500
600	47 x 72	6300
	47 x 97	6750
	47 x 122	7100

V2-16 425mm deep		
Centres	Timber Size	Span
400	47 x 72	7050
	47 x 97	7600
	47 x 122	8000
600	47 x 72	6230
	47 x 97	7150
	47 x 122	7600

V2-16 425mm deep		
Centres	Timber Size	Span
400	47 x 72	6050
	47 x 97	7150
	47 x 122	7750
600	47 x 72	4900
	47 x 97	6050
	47 x 122	6600

Domestic Floor Loadings:	
Top Chord Dead	450 N/m ² *
Bottom Chord Dead	200 N/m ²
Live Load	1500 N/m ²

RSD Floor Loadings:	
Top Chord Dead	720 N/m ² *
Bottom Chord Dead	420 N/m ²
Live Load	1500 N/m ²

Office Floor Loadings:	
Top Chord Dead	1200 N/m ² *
Bottom Chord Dead	200 N/m ²
Live Load	2500 N/m ²

* Load Includes Global Loading For Lightweight Partition Walls

* Load Includes Global Loading For Lightweight Partition Walls

* Load Includes Global Loading For Office Partition Walls