

DOOR WEIGHT CALCULATION GUIDE

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Doors - Flush (weight each)			
Standard Doors 2040mm high x 35mm thick			
Width	Hollow Core	Solid Core	
620mm	11.8kg	22.8kg	
720mm	13.0kg	31.6kg	
770mm	14.0kg	33.8kg	
820mm	14.8kg	36.0kg	
870mm	15.0kg	38.2kg	

Softwood and Hardwoods		kg/m ³
Seasoned weight:		
Blackbutt		930
Bush Box		930
Canada Pine		460
Douglas Fir (Oregon)		480/560
Hoop Pine		540
Pacific Maple (Merant)		450/720
Radiata Pine		480
Red Cedar		420
Red Mahogany		500
Redwood		450
Spotted Gum		930
Sydney Blue Gum		910
Tallowood		990
Tasmanian Oak		680
Turpentine		910
Western Red Cedar		370
White Cypress Pine		690

Ply, Hardboard, Wallboards, M.D.F. etc.	mm	kg/m ²
Plywood	4.5	2.50
Hardboard	3.0	3.30
Wallboard - Plaster	10.0	6.70
	13.0	8.50
Fibre Cement	6.0	11.00
	9.0	17.00
	12.0	22.50
Medium Density Fibreboard (MDF)	6.0	4.80
	9.0	7.20
	12.0	9.40
	16.0	12.60
	18.0	13.88
	25.0	19.30
	32.0	25.10
	40.0	27.00

Steel	mm	kg/m ²
Steel sheet	0.5	3.93
Steel sheet	1.0	7.85
Steel sheet	2.0	15.70
Steel sheet	3.0	23.55
Steel Cladding	0.5	5.03
Steel Cladding	0.7	6.90
Steel Cladding	0.9	8.82
Expanded 10mm Mesh	0.6	1.61

Important Note:

The information provided on this page is a guide only.

Aluminium	mm	kg/m ²
Sheet	1.2	3.71
	1.6	4.88
	2.0	6.20

Angles, Channels and Hollows	mm	kg/m
Angles	25x25x2	0.38
	50x50x3	0.79
Channels	60x32x4	1.26
	100x50x5	2.59
Hollows	25x25x2	0.50
	100x40x3	2.17

Materials, Various	kg/m ³
Brass	8,410
Expanded Polystyrene	16
Lead	11,422
Marble	2,723

Laminex Structural MR	mm	kg/m ²
	18	14.32
	25	20.04
	33	26.88

Solid Timbers	mm	kg/m ²
Oak	16	10.88
	19	12.92
Pine	16	8.80
	19	10.50
Teak	16	9.92
	19	1.80

Laminex Lamiwood	mm	kg/m ²
	5	4.86
	9	7.44
	12	9.82
	16	13.08
	18	14.32
	25	20.04
	32	26.06

Laminex Vertiboard	mm	kg/m ²
	10	8.14
	13	10.48
	16	12.90
	18	14.11
	25	19.75
	35	26.49

Glass*	mm	kg/m ²
	4	10kg
	6	15kg
	8	20kg
	10	25kg
	12	30kg
	15	37.5kg
(2.5 kg/mm/m ²)	19	47.5kg

* Important Notice

Please refer to the Building Code and relevant Australian Standards for Glass to determine suitable glass type and maximum permissible size for each individual application.