Guides

Door Weight

This is a guide to the recorded door weights of various products within Spence Doors' range. The leaf weight can impact the number and positioning of required hinges as well as the steel gauge of pressed metal frames.

	Door	Thickness	Weight by m^2 (kg)	Density (kg/m^3)	2400mm Door Weight (kg)	
					920	1200
Fire	Mini	38mm	19.0	543	36.7	37.9
	Maxi	48mm	22.0	489	42.5	55.4
	Pacificore	46mm	27.0	-	52.2	68.0
Acoustic	AS-38-PAC	48mm	19.0	543	36.7	37.9
	AS-40-PAC	55-66mm	22.0	489	42.5	55.4
	AS-44-PAC	73-78mm	35.0	-	67.6	88.2
Fire + Acoustic	FD-2HR-AS-40RW	55mm	53.0	1000	102.4	133.6
	FD-2HR-AS-39RW	55mm	53.0	-	102.4	133.6
	FD-2HR-AS-37RW	55mm	53.0	-	102.4	133.6
	FD-2HR-AS-33RW	50mm	39.0	780	75.3	98.3
	FD-2HR-AS-31RW	48mm	23.0	-	44.4	58.0
	FD-2HR-AS-30RW	48mm	23.0	-	44.4	58.0
	AS-SPECIAL-A	48mm	84.0	1750	162.3	211.7
	AS-46-INTERCON	48+48mm	43.0	-	83.1	108.4
	AS-INTERCON-A	48+48mm	58.0	-	112.1	146.2

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	Door	Thickness	Weight by m^2 (kg)	Density (kg/m^3)	2400mm Door Weight (kg)	
					920	1200
Solid Core	Blockboard MDF Skin	38mm 40mm 45mm	19.9 20.8 24.1	524 520 536	38.4 40.2 46.6	50.1 52.4 60.7
	Blockboard Ply Skin	35mm 40mm 45mm	17.9 20.1 22.2	511 503 493	34.6 38.8 42.9	45.1 50.7 55.9
	Particleboard MDF Skin	35mm 38mm 40mm 43mm 45mm 51mm	24.4 26.4 27.7 29.8 31.8 35.1	697 695 693 693 707 688	47.1 51.0 53.5 57.6 61.4 67.8	61.5 66.5 69.8 75.1 80.1 88.5
	Particleboard Ply Skin	45mm	27.7	616	53.5	69.8
	Particleboard Hardboard Skin	40mm 45mm	26.8 31.3	670 696	51.8 60.5	67.5 78.9
	Ecoply MDF Skin	40mm 45mm	26.5 30.5	663 678	51.2 58.9	66.8 76.9
	Ecoply Ply Skin	45mm 50mm	25.9 29.0	576 580	50.0 56.0	65.3 73.1
	LVL MDF Skin	40mm 45mm	26.9 30.9	673 687	52.0 59.7	67.8 77.9
	LVL Ply Skin	45mm 50mm	26.8 30.0	596 600	51.8 58.0	67.5 75.6
	Particleboard MDF Skin + SHS Frame	38mm 43mm	32.5 36.9	- -	62.8 71.3	81.9 93.0

Door Weight

	Door	Thickness	Weight by m^2 (kg)	Density (kg/m^3)	2400mm Door Weight (kg)	
					920	1200
Metal Clad	Cladding (Extra to Door Weight)	0.55mm 1.0mm 1.2mm 1.5mm	4.1 7.1 8.6 11.8	- - - -	15.8 27.4 33.2 45.6	20.7 35.8 43.3 59.5
	Capping (Extra to Door Weight)	1.0mm	1.5	-	2.9	3.8
Lead Lined	Extra to Door Weight	0.88mm 1.32mm 1.76mm 2.24mm	10.0 15.0 20.0 25.0	- - - -	38.6 58.0 77.3 96.6	50.4 75.6 100.8 126.0
Joinery	1 Lite Door (average)	40mm	20.0	-	38.6	50.4
Prehung	Extra to Door Weight	35mm	10.4	-	20.1	26.2
Pressed Metal Frames	300mm Zincanneal	1.2mm 1.5mm 2.0mm	8.6 11.8 14.9	- - -	16.6 22.7 28.8	21.7 29.6 37.5
	600mm Zincanneal	1.2mm 1.5mm 2.0mm	13.8 18.8 23.8	- - -	26.6 36.3 46.1	34.7 47.4 60.1
	300mm Galvabond	1.2mm 1.5mm 2.0mm 2.4mm 2.9mm	9.0 12.2 15.3 18.2 22.8	- - - - -	17.4 23.5 29.6 35.2 44.0	22.7 30.6 38.6 45.9 57.5
	600mm Galvabond	1.2mm 1.5mm 2.0mm 2.4mm 2.9mm	14.4 19.4 24.5 29.1 36.5	- - - - -	27.8 37.6 47.3 56.3 70.5	36.3 49.0 61.7 73.4 91.9