

SINGLE STUD PARTITION SYSTEMS

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 1 layer Standard Plasterboard 12.5mm both sides



SS1 Weight: Minimum: 19 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 26 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)	
Depth	Gauge	@ 610mm centres	@ 406mm centres				
51	0.55 - 0.6 0.75 - 0.8	3.31 3.46	3.49 3.69	76	0	No Insulation 34 BS EN 140-3	With Insulation: 25mm glass mineral wool density 24kg/m ³ 41 BS EN 140-3
64	0.55 - 0.6 0.75 - 0.8	3.74 3.98	4.03 4.27	89	30 BS 476	35 P	42 P
76	0.55 - 0.6 0.75 - 0.8	4.23 4.45	4.50 4.79	101	30 P	36 BS 2750	42 P
92	0.55 - 0.6 0.75 - 0.8	4.65 5.05	5.12 5.46	117	30 P	36 P	43 P
102	0.55 - 0.6 0.75 - 0.8	4.90 5.35	5.40 5.87	127	30 P	36 P	43 P
150	0.75 - 0.8 1.15 - 1.2	6.85 7.75	7.80 8.79	175	30 P	38 BS 2750	45 P

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 2 layers Standard Plasterboard 12.5mm both sides



SS2 Weight: Minimum: 37 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 44 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)	
Depth	Gauge	@ 610mm centres	@ 406mm centres				
51	0.55 - 0.6 0.75 - 0.8	3.45 3.55	3.60 3.70	101	60 BS EN 1364	43 BS EN 140-3	49 BS EN 140-3
64	0.55 - 0.6 0.75 - 0.8	3.00 4.15	4.20 4.40	114	60 P	43 P	50 P
76	0.55 - 0.6 0.75 - 0.8	4.60 4.80	4.85 5.20	126	60 BS 476	46 BS EN 140-3	51 P
92	0.55 - 0.6 0.75 - 0.8	5.45 5.80	5.85 6.20	142	60 P	47 BS 2750	52 BS 2750
102	0.55 - 0.6 0.75 - 0.8	6.06 6.28	6.33 6.62	152	60 P	47 P	52 P
150	0.75 - 0.8 1.15 - 1.2	8.00 8.71	8.74 9.42	200	60 P	48 P	54 P

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 1 layer Standard plasterboard 15mm both sides.



SS3 Weight : Minimum: 23 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 30 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)	
Depth	Gauge	@ 610mm centres	@ 406mm centres				
51	0.55 - 0.6 0.75 - 0.8	3.52 3.65	3.69 3.86	81	30 BS EN 1364	37 P	42 P
64	0.55 - 0.6 0.75 - 0.8	4.01 4.18	4.22 4.44	94	30 P	38 P	42 P
76	0.55 - 0.6 0.75 - 0.8	4.45 4.65	4.70 4.96	106	30 P	39 BS EN 140-3	43 P
92	0.55 - 0.6 0.75 - 0.8	4.95 5.26	5.31 5.64	122	30 P	39 P	44 P
102	0.55 - 0.6 0.75 - 0.8	5.20 5.60	5.69 6.05	132	30 P	39 P	44 P
150	0.75 - 0.8 1.15 - 1.2	7.10 8.00	8.05 8.93	180	30 P	41 P	46 P

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 1 layer FireBLOC 12.5mm both sides.



SS4 Weight : Minimum: 25 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 32 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
51	0.55 - 0.6 0.75 - 0.8	3.57 3.70	3.73 3.90	76	30	BS 476	36	43
64	0.55 - 0.6 0.75 - 0.8	3.74 4.24	4.28 4.50	89	30		36	43
76	0.55 - 0.6 0.75 - 0.8	4.16 4.72	4.77 5.03	101	30		37	44 BS EN 140-3
92	0.55 - 0.6 0.75 - 0.8	4.98 5.35	5.40 5.71	117	30		38	45
102	0.55 - 0.6 0.75 - 0.8	5.35 5.73	5.79 6.13	127	30		38	45
150	0.75 - 0.8 1.15 - 1.2	7.30 8.15	8.20 9.03	175	30		39	47

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 2 layers FireBLOC 12.5mm both sides.



SS5 Weight : Minimum: 49 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 56 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
51	0.55 - 0.6 0.75 - 0.8	3.90 4.00	4.00 4.15	101	120	BS 476	45	BS 2750 52
64	0.55 - 0.6 0.75 - 0.8	4.55 4.70	4.75 4.95	114	120		46	BS 2750 52
76	0.55 - 0.6 0.75 - 0.8	5.25 5.50	5.55 5.85	126	120		46	53
92	0.55 - 0.6 0.75 - 0.8	6.21 6.37	6.41 6.63	142	120		47	54 BS 2750
102	0.55 - 0.6 0.75 - 0.8	6.59 6.77	6.81 7.07	152	120		47	54
150	0.75 - 0.8 1.15 - 1.2	8.73 9.20	9.22 9.84	200	120		49	56 BS EN 140-3

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 1 layer FireBLOC 15mm both sides.



SS6 Weight : Minimum: 29 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 36 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
51	0.55 - 0.6 0.75 - 0.8	3.90 4.00	4.00 4.15	81	60	ASTM	37	BS 2750 44 BS 2750
64	0.55 - 0.6 0.75 - 0.8	4.55 4.70	4.75 4.95	94	60		37	45
76	0.55 - 0.6 0.75 - 0.8	5.25 5.50	5.55 5.85	106	60		38	BS 2750 ASTM E90 47 BS 2750
92	0.55 - 0.6 0.75 - 0.8	6.21 6.37	6.41 6.63	122	60		39	48
102	0.55 - 0.6 0.75 - 0.8	6.59 6.77	6.81 7.07	132	60		39	48
150	0.75 - 0.8 1.15 - 1.2	7.05 7.90	7.95 8.92	180	60		42	BS 2750 49

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 2 layers FireBLOC 15mm both sides.



SS7

Weight : Minimum: 57 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 64 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
51	0.55 - 0.6 0.75 - 0.8	3.85 3.95	3.95 4.10	111	150	ASTM	46	53
64	0.55 - 0.6 0.75 - 0.8	3.92 4.65	4.65 4.90	124	150		46	53
76	0.55 - 0.6 0.75 - 0.8	4.32 5.35	5.40 .	136	150		47	54
92	0.55 - 0.6 0.75 - 0.8	5.21 6.25	6.29 6.53	152	150		48	55
102	0.55 - 0.6 0.75 - 0.8	6.44 6.64	6.65 6.94	162	150		48	55
150	0.75 - 0.8 1.15 - 1.2	8.35 9.02	9.05 9.69	210	150		50	56

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 1 layer MULTISTOP 15mm both sides.



SS11

Weight : Minimum: 29 Kg/m² (51mm stud @610mm centres, no insulation)
Maximum: 36 Kg/m² (150mm stud @406mm centres, with insulation)

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
51	0.55 - 0.6 0.75 - 0.8	3.00 3.10	3.95 4.10	81	60		38	48
64	0.55 - 0.6 0.75 - 0.8	3.45 3.60	4.65 4.90	94	60		39	49
76	0.55 - 0.6 0.75 - 0.8	4.95 4.15	5.40 .	106	60	BS EN 1364	40	50
92	0.55 - 0.6 0.75 - 0.8	4.65 5.00	5.10 5.60	122	60	BS EN 1364	42	50
102	0.55 - 0.6 0.75 - 0.8	5.20 5.60	5.70 6.19	132	60		42	50
150	0.75 - 0.8 1.15 - 1.2	7.35 8.20	8.25 9.06	180	60	BS EN 1364	43	51

Frame : WallTEK C-Studs @610mm maximum centres
Lining : 3 layers FireBLOC 15mm both sides.



SS12

Weight : 84Kg/m²

STUD SIZE (mm)		MAX HEIGHT (m)		WALL WIDTH (mm)	FIRE RATING (minutes)	ACOUSTICS (R _w dB)		
Depth	Gauge	@ 610mm centres	@ 406mm centres				No Insulation	With Insulation: 25mm glass mineral wool density 24kg/m ³
92	0.55 - 0.6	6.20	6.35	182	180	BS 476	54	61