

40 Raglan Avenue
 Edwardstown SA 5039
 Phone 08 8297 9577
 Fax: 08 8293 8056
 Web: www.apexhomeimprovements.com.au

ABN: 74 935 396 619
 ACN: 152 804 469



CONVERSION CHART

PIPE 6500

mm N/B	OD	Type	W/T	Black kg/M	Gal kg/M
15	21.3	XL	1.6	0.78	0.84
		L	2.0	0.95	1.01
		M	2.6	1.20	1.22
		H	3.2	1.43	1.45
20	26.9	XL	2.0	1.23	1.28
		L	2.3	1.40	1.44
		M	2.6	1.56	1.60
		H	3.2	1.87	1.92
		XH	4.0	2.26	
25	33.7	XL	2.0	1.59	1.62
		L	2.6	1.99	2.05
		M	3.2	2.41	2.46
		H	4.0	2.93	2.99
		XH	4.5	3.24	
32	42.4	XL	2.0	1.99	2.07
		L	2.6	2.55	2.63
		M	3.2	3.09	3.17
		H	4.0	3.79	3.86
		XH	4.9	4.53	
40	48.3	XL	2.3	2.61	2.70
		L	2.9	3.25	3.33
		M	3.2	3.56	3.64
		H	4.0	4.37	4.45
		XH	5.4	5.71	
50	60.3	XL	2.3	3.29	3.40
		L	2.9	4.11	4.21
		M	3.6	5.03	5.14
		H	4.5	6.19	6.30
65	76.1	XL	2.3	4.19	4.32
		L	3.2	5.75	5.89
		M	3.6	6.44	6.57
		H	4.5	7.95	8.08
80	88.9	XL	2.6	5.53	5.70
		L	3.2	6.76	6.93
		M	4.0	8.38	8.54
		H	4.9	10.30	10.60
90	101.6	XL	2.6	6.35	6.53
		L	3.2	7.77	7.95
		M	4.0	9.63	9.81
		H	4.9	11.90	12.20
100	114.3	XL	3.2	8.77	8.98
		L	3.6	9.83	10.00
		M	4.5	12.20	12.40
		H	5.4	14.50	14.70
125	139.7	M	4.9	16.60	16.90
		H	5.4	17.90	18.10
150	165.1	M	4.9	19.70	20.00
		H	5.4	21.30	21.60

FLOOR PLATES

mm	kg/M ²
2	17.70
3	25.55
4	33.40
5	41.25
6	49.10
8	64.80
10	80.50
12	96.20

SQUARES

mm	kg/M
8	0.56
10	0.81
12	1.158
16	2.06
20	3.22
25	5.03
32	8.24
40	12.81
50	19.60

CONVERSION TABLE

in	=	mm
1	=	25.400
2	=	50.800
3	=	76.200
4	=	101.600
5	=	127.000
6	=	152.400
7	=	177.800
8	=	203.200
9	=	228.600
10	=	254.000
11	=	279.400
12	=	304.800
36	=	914.400
1/2	=	12.700
1/4	=	6.3500
3/4	=	19.0500
1/8	=	3.1750
3/8	=	9.5250
5/8	=	15.8750
7/8	=	22.2250
1/16	=	1.58750
3/16	=	4.76250
5/16	=	7.93750
7/16	=	11.11250
9/16	=	14.28750
11/16	=	17.46250
13/16	=	20.63750
15/16	=	23.81250

R.H.S. SQUARES

6.5M LENGTHS		
mm	L/B	kg/M
13 x 13 x 18	100	0.568
15 x 15 x 1.8	100	0.681
20 x 20 x 1.6	100	0.873
25 x 25 x 1.6	100	1.12
25 x 25 x 2.0	100	1.36
25 x 25 x 2.5	100	1.64
25 x 25 x 3.0	100	1.89

8.0M LENGTHS

30 x 30 x 1.6	100	1.38
30 x 30 x 2.0	100	1.68
35 x 35 x 1.6	100	1.63
35 x 35 x 2.0	100	1.99
35 x 35 x 2.5	64	2.42
35 x 35 x 3.0	64	2.83
40 x 40 x 1.6	81	1.88
40 x 40 x 2.0	81	2.31
40 x 40 x 2.5	64	2.82
40 x 40 x 4.0	49	4.09
50 x 50 x 1.6	64	2.38
50 x 50 x 2.0	64	2.93
50 x 50 x 2.5	49	3.60
50 x 50 x 3.0	49	4.25
50 x 50 x 4.0	36	5.35
65 x 65 x 2.0	42	3.88
65 x 65 x 2.5	42	4.78
65 x 65 x 3.0	36	5.66
75 x 75 x 2.5	30	5.56
75 x 75 x 3.0	30	6.60
75 x 75 x 3.5	25	7.53
75 x 75 x 4.0	25	8.49
75 x 75 x 5.0	20	10.30
89 x 89 x 3.5	20	9.07
89 x 89 x 5.0	16	12.50
89 x 89 x 6.0	12	14.70
100 x 100 x 3.0	20	8.96
100 x 100 x 4.0	16	11.60
100 x 100 x 5.0	12	14.20
100 x 100 x 6.0	12	16.70
100 x 100 x 9.0	9	23.50
125 x 125 x 4.0	12	14.80
125 x 125 x 5.0	12	18.20
125 x 125 x 6.0	9	21.40
125 x 125 x 9.0	8	30.60
150 x 150 x 5.0	9	22.10
150 x 150 x 6.0	6	26.20
150 x 150 x 9.0	6	37.70
200 x 200 x 5.0	6	29.90
200 x 200 x 6.0	4	35.60
200 x 200 x 9.0	4	51.80
250 x 250 x 6.0	4	45.00
250 x 250 x 9.0	2	65.90

R.H.S. RECTANGLES

mm	L/B	kg/M
50 x 20 x 1.6	96	1.63
50 x 20 x 2.0	96	1.99
50 x 20 x 2.5	72	2.42
50 x 20 x 3.0	72	2.83
50 x 25 x 1.6	96	1.75
50 x 25 x 2.0	96	2.15
50 x 25 x 2.5	72	2.62
50 x 25 x 3.0	60	3.07
65 x 35 x 2.0	54	2.93
65 x 35 x 2.5	54	3.60
65 x 35 x 3.0	45	4.25
75 x 25 x 1.6	65	2.38
75 x 25 x 2.0	65	2.93
75 x 25 x 2.5	48	3.60
75 x 50 x 2.0	42	3.72
75 x 50 x 2.5	42	4.58
75 x 50 x 3.0	35	5.42
75 x 50 x 4.0	28	6.92
75 x 50 x 5.0	24	8.35
75 x 50 x 6.0	20	9.67
100 x 50 x 2.0	32	4.50
100 x 50 x 2.5	32	5.56
100 x 50 x 3.0	32	6.60
100 x 50 x 4.0	24	8.49
100 x 50 x 5.0	18	10.30
100 x 50 x 6.0	15	12.00
125 x 75 x 3.0	35	8.96
125 x 75 x 4.0	28	11.60
125 x 75 x 5.0	24	14.20
125 x 75 x 6.0	20	16.70
150 x 50 x 3.0	32	8.96
150 x 50 x 4.0	24	11.60
150 x 50 x 5.0	18	14.20
150 x 100 x 4.0	12	14.80
150 x 100 x 5.0	12	18.20
150 x 100 x 6.0	9	21.40
150 x 100 x 9.0	6	30.60
200 x 100 x 4.0	8	17.90
200 x 100 x 5.0	8	22.10
200 x 100 x 6.0	8	26.20
200 x 100 x 9.0	6	37.70
250 x 150 x 5.0	6	29.90
250 x 150 x 6.0	4	35.60
250 x 150 x 9.0	4	51.80

33x25 - 5000
 - 7500

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FLATS

mm	kg/M	mm	kg/M
10 x 3	0.241	75 x 40	24.19
13 x 3	0.313	90 x 6	4.346
13 x 5	0.523	90 x 8	5.791
13 x 6	0.627	90 x 10	7.236
16 x 3	0.386	90 x 12	8.692
16 x 5	0.644	100 x 5	4.028
16 x 8	1.030	100 x 6	4.828
20 x 3	0.483	100 x 8	6.437
20 x 5	0.805	100 x 10	8.046
20 x 6	0.964	100 x 12	9.656
20 x 10	1.609	100 x 16	12.915
25 x 3	0.604	100 x 20	16.093
25 x 5	1.006	100 x 25	20.090
25 x 6	1.210	100 x 50	40.282
25 x 8	1.609	110 x 5	4.428
25 x 10	2.009	110 x 6	5.310
25 x 12	2.419	110 x 8	7.083
32 x 3	0.773	110 x 10	8.856
32 x 5	1.292	110 x 12	10.660
32 x 6	1.548	130 x 5	5.228
32 x 8	2.060	130 x 6	6.273
32 x 10	2.573	130 x 8	8.364
32 x 12	3.090	130 x 10	10.455
40 x 3	0.966	130 x 12	12.505
40 x 5	1.609	130 x 16	16.708
40 x 6	1.927	130 x 20	20.91
40 x 8	2.573	130 x 25	26.138
40 x 10	3.219	150 x 5	6.037
40 x 12	3.864	150 x 6	7.236
40 x 16	5.146	150 x 8	9.656
40 x 20	6.437	150 x 10	12.095
45 x 10	3.620	150 x 12	14.453
50 x 3	1.210	150 x 16	19.270
50 x 5	2.009	150 x 20	24.190
50 x 6	2.419	150 x 25	30.135
50 x 8	3.219	150 x 50	60.373
50 x 10	4.028	180 x 6	8.692
50 x 12	4.828	180 x 10	14.453
50 x 16	6.437	180 x 12	17.425
50 x 20	8.046	180 x 20	29.008
50 x 25	10.055	200 x 6	9.656
55 x 6	2.655	200 x 8	12.915
65 x 3	1.568	200 x 10	16.093
65 x 5	2.614	200 x 12	19.27
65 x 6	3.137	200 x 16	25.728
65 x 8	4.182	200 x 20	32.185
65 x 10	5.228	200 x 25	40.283
65 x 12	6.273	250 x 6	12.095
65 x 16	8.364	250 x 10	20.090
65 x 20	10.455	250 x 12	24.190
65 x 25	13.075	250 x 16	32.185
75 x 5	3.014	250 x 20	40.231
75 x 6	3.618	250 x 25	50.289
75 x 8	4.828	300 x 6	14.453
75 x 10	6.037	300 x 10	24.190
75 x 12	7.247	300 x 12	29.008
75 x 16	9.656	300 x 16	38.662
75 x 20	12.095	300 x 20	48.278
75 x 25	15.068	300 x 25	60.346
		150 x 3	3.63
		100 x 3	2.39
		75 x 3	1.81

ROUNDS

mm	kg/M
5	0.158
6.3	0.251
8	0.405
10	0.631
12	0.909
14	1.240
16	1.620
18	2.040
20	2.522
22	3.055
24	3.639
27	4.602
30	5.689
33	6.888
36	8.190
39	9.614
42	11.173
45	12.813
48	14.555
50	15.785

PLATES

mm	kg/M2
3	23.55
4	31.40
5	39.25
6	47.10
8	62.80
10	78.50
12	94.20
16	125.60
20	157.00
25	196.25
28	219.80
32	251.20
36	282.60
40	314.00
45	353.25
50	392.50
55	431.75
60	471.00
65	510.25
70	549.50
80	628.00
90	706.50
100	785.00

ANGLES EQUAL

mm	kg/M
20 x 20 x 3	1.004
25 x 25 x 3	1.148
25 x 25 x 5	1.691
25 x 25 x 6	2.132
30 x 30 x 3	1.383
30 x 30 x 5	2.060
30 x 30 x 6	2.624
40 x 40 x 3	1.876
40 x 40 x 5	2.798
40 x 40 x 6	3.588
45 x 45 x 3	2.112
45 x 45 x 5	3.178
45 x 45 x 6	4.069
50 x 50 x 3	2.368
50 x 50 x 5	3.567
50 x 50 x 6	4.571
50 x 50 x 8	5.822
55 x 55 x 5	3.936
55 x 55 x 6	5.053
65 x 65 x 5	4.674
65 x 65 x 6	6.016
65 x 65 x 8	7.698
65 x 65 x 10	9.246
75 x 75 x 5	5.402
75 x 75 x 6	6.980
75 x 75 x 8	8.948
75 x 75 x 10	10.763
90 x 90 x 6	8.426
90 x 90 x 8	10.865
90 x 90 x 10	13.018
100 x 100 x 6	9.389
100 x 100 x 8	12.095
100 x 100 x 10	14.555
100 x 100 x 12	18.142
125 x 125 x 8	15.273
125 x 125 x 10	18.450
125 x 125 x 12	23.063
125 x 125 x 16	29.828
150 x 150 x 10	22.448
150 x 150 x 12	27.982
150 x 150 x 16	36.285
150 x 150 x 19	43.153
200 x 200 x 13	41.000
200 x 200 x 16	49.917
200 x 200 x 18	55.760
200 x 200 x 20	61.603

UNEQUAL ANGLES

mm	kg/M
65 x 50 x 5	4.120
65 x 50 x 6	5.289
65 x 50 x 8	6.755
75 x 50 x 5	4.510
75 x 50 x 6	5.801
75 x 50 x 8	7.411
100 x 75 x 6	8.180
100 x 75 x 8	10.558
100 x 75 x 10	12.710
125 x 75 x 6	9.389
125 x 75 x 8	12.095
125 x 75 x 10	14.555
125 x 75 x 12	18.142
150 x 90 x 8	14.658
150 x 90 x 10	17.732
150 x 90 x 12	22.140
150 x 90 x 16	28.597
150 x 100 x 10	18.450
150 x 100 x 12	23.063

UNIVERSAL BEAMS

mm	kg/M
150UB	14.0
	18.0
180UB	16.1
	18.1
	22.2
200UB	18.2
	22.3
	25.4
	29.8
250UB	25.7
	31.4
	37.3
310UB	32.0
	40.4
	46.2
360UB	44.7
	50.7
	56.7
410UB	53.7
	59.7
460UB	67.1
	74.6
	82.1
530UB	82.0
	92.4
610UB	101.0
	113.0
	125.0

UNIVERSAL COLUMNS

mm	kg/M
100UC	14.8
150UC	23.4
	30.0
	37.2
200UC	46.2
	52.2
	59.5
250UC	72.9
	89.5
310UC	96.8
	118.0
	137.0
	158.0

CHANNELS

mm	kg/M
50 x 25	4.50
75 x 40	5.92
100 x 50	8.33
125 x 65	11.90
150 x 75	17.70
180 x 75	20.90
200 x 75	22.90
230 x 75	25.10
250 x 90	35.50
300 x 90	40.10
380 x 100	55.20



PH 8297 9577 FAX 8293 8056
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CONVERSION CHART

ALUMINIUM

ANGLE

FULL LENGTH



mm		Kg/M
25 X 25 X 3	6.000	2.476
50 X 50 X 3	6.500	5.109

FLAT BAR

FULL LENGTH



mm		Kg/M
25 X 3	4.000	0.812
50 X 3	4.000	1.62

CHANNEL

FULL LENGTH



mm		Kg/M
12 X 12 X 1.6	6.500	0.917
16 X 16 X 1.6	6.500	1.261
20 X 20 X 1.6	6.500	1.592
25 X 25 X 3	6.500	3.627
50 X 50 X 3	6.500	7.578

SQUARE

FULL LENGTH



mm		Kg/M
50 X 50 X 3	6.500	9.900

ROUND BAR

FULL LENGTH

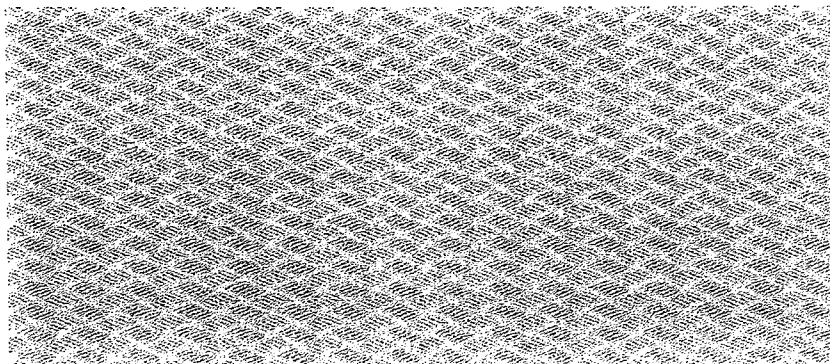


mm		Kg/M
10MM	6.500	0.844

CHEQUER PLATE - FLOOR PLATE/TREAD PLATE

ALUMINIUM

MILL FINISH	SQ/M	KG/PER SHEET
2400 X 1200 X 3	2.880	25.340





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CONVERSION CHART

PIPE							CHEQUER			FLATS		FLATS-cont	
6500 length							FLOOR PLATE			mm	Kg/M	mm	Kg/M
N/B	OD	ID	Type	W/T	Black Kg/M	Galv Kg/M	mm	Kg/M2					
15	21.3	17.30	L	2.0	0.95	1.01	2.1	17.70	3/32	10 x 3	0.241	75 x 3	1.81
		16.10	M	2.6	1.20	1.22	3	25.55	1/8	13 x 3	0.313	75 x 5	3.014
20	26.9	22.30	L	2.3	1.40	1.44	5	41.25	3/16	13 x 5	0.523	75 x 6	3.618
		21.70	M	2.6	1.56	1.60	6	49.10	1/4	16 x 3	0.386	75 x 8	4.828
25	33.7	28.50	L	2.6	1.99	2.05				20 x 3	0.483	75 x 10	6.037
		27.30	M	3.2	2.41	2.46				20 x 5	0.805	75 x 12	7.247
32	42.4	37.20	L	2.6	2.55	2.63				20 x 6	0.964	75 x 16	9.656
		36.00	M	3.2	3.09	3.17	mm	Kg/M2		20 x 10	1.609	75 x 20	12.095
40	48.3	42.50	L	2.9	3.25	3.33	1.6	12.56	1/16	25 x 3	0.604	75 x 25	15.068
		41.90	M	3.2	3.56	3.64	3	23.55	1/8	25 x 5	1.006	90 x 6	4.346
50	60.3	54.50	L	2.9	4.11	4.21	5	39.25	3/16	25 x 6	1.210	90 x 8	5.791
		53.10	M	3.6	5.03	5.14	6	47.1	1/4	25 x 8	1.609	90 x 10	7.236
65	76.1	69.70	L	3.2	5.75	5.89	8	62.8	5/16	25 x 10	2.009	100 x 3	2.39
		68.90	M	3.6	6.44	6.57				32 x 3	0.773	100 x 5	4.028
80	88.9	82.50	L	3.2	6.76	6.93				32 x 5	1.292	100 x 6	4.828
		80.90	M	4.0	8.38	8.54	mm	Kg/M		32 x 6	1.548	100 x 8	6.437
90	101.6	93.60	M	4.0	9.63	9.81	5	0.158	3/16	32 x 8	2.060	100 x 10	8.05
100	114.3	105.30	M	4.5	12.20	12.40	6.3	0.251	1/4	32 x 10	2.573	100 x 12	9.656
125	139.7	129.50	M	4.9	16.60	16.90	8	0.405	5/16	40 x 3	0.966	100 x 16	12.915
150	165.1	155.30	M	4.9	19.70	20.00	10	0.63	3/8	40 x 5	1.609	100 x 20	16.093
							12	0.909	1/2	40 x 6	1.927	130 x 6	6.273
							16	1.62	5/8	40 x 8	2.573	130 x 8	8.364
							20	2.522	13/16	40 x 10	3.219	130 x 10	10.455
							24	3.639	15/16	50 x 3	1.210	130 x 12	12.505
										50 x 5	2.009	150 x 3	3.63
										50 x 6	2.419	150 x 5	6.037
										50 x 8	3.219	150 x 6	7.236
										50 x 10	4.028	150 x 8	9.656
							9.5	0.55	3/8	50 x 12	4.828	150 x 10	12.095
							12.7	0.99	1/2	50 x 16	6.437	150 x 20	24.19
							15.87	1.55	5/8	65 x 3	1.568	200 x 6	9.656
							19.05	2.3	3/4	65 x 5	2.614	200 x 10	16.093
							25.4	3.97	1	65 x 6	3.137	300 x 12	29.008
										65 x 8	4.182		
										65 x 10	5.228	FLATS	GALV
										65 x 12	6.273	mm	Kg/M
							10	0.81	3/8	65 x 16	8.364	50 x 5	1.6
							12	1.158	1/2			65 x 5	2.62
							16	2.06	5/8			75 x 5	2.77
							20	3.22	13/16			100 x 5	4.03
							25	5.03	1				