



Rolled Products

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Updates

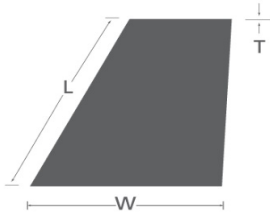
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Treadplates

Rolled Products



T = Thickness (mm)	W = Width (mm)	L = Length (mm)	Alloy Temper	Finish	Product	Mill Finish (SAP Code)
1.6	1200	2400	B3003 H22	Bright	Propeller bright	100197
2.0	1200	2400	5052 H114	MF	5 Bar marine	100246
3.0	1200	2400	B3003 H22	Bright	Propeller bright	101331
3.0	1200	2400	5052 H114	MF	5 Bar marine	100303
3.0	1500	3600	5052 H114	MF	5 Bar marine	100334
4.0	1200	2400	5052 H114	MF	5 Bar marine	100349
4.0	1500	4500	5052 H114	MF	5 Bar marine	100374
5.0	1200	2400	5052 H114	MF	5 Bar marine	100388
6.0	1200	2400	5052 H114	MF	5 Bar marine	100416
8.0	1200	2400	5052 H114	MF	5 Bar marine	101021

General Purpose Low to medium strength with good formability

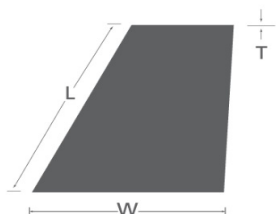
Engineering Grade High strength, machinable

Marine Grade Medium to high strength, machinable

Marine Grade Certified Medium to high strength, machinable, certified to Lloyds Register of Shipping specification

Treadplates and Stucco continued

Rolled Products



Treadplate - Mechanical Properties					Product Range						
Temper	Specification (MPa)		Typical (MPa) Not for Design								
	UTS	Yield	UTS	Yield							
0	170-216	65 min	180	75	Nominal Base Thickness (mm)	2.0	2.5	3.0	4.0	5.0	6.0
F*	231-276	179 min	260	240	Nominal Total Thickness (mm)	3.7	4.2	4.7	5.7	6.7	7.7
					Width (mm)	1200					
					Length (mm)	2400, 3600					

* "F" is "as rolled" and is suitable for applications where a higher strength than that of "0" temper is required.

Note: Other dimensions may be available, subject to enquiry.

Bend Radii 90° - "0" Temper							Approximate Weight					
Thickness (mm)	2.0	2.5	3.0	4.0	5.0	6.0	Nominal Base Thickness (mm)	2.0	2.5	3.0	4.0	5.0
Min Radii (mm)	3.5	3.75	4.5	6.0	7.5	9.0	Approximate Weight (kg/m²)	6.0	7.5	8.9	12.1	14.1

Width Spanning Capability (mm)*											
Thickness (mm)		Fastened At Each Corner Only					Fastened At All Edges***				
		Distributed Load (kg/m²)					Distributed Load (kg/m²)*				
		200	250	300	400	500	200	250	300	400	500
2.5	1.0	390	360	340	310	290	570	535	500	455	425
	1.2	350	325	305	280	250	515	480	455	410	385
	1.4	323	300	285	260	240	485	450	425	390	360
	1.6	305	285	270	245	225	470	435	410	375	350
	1.8	295	275	260	235	220	460	430	405	365	340
	2.0	285	265	250	230	215	455	420	400	360	335
	Above 2.0	265	245	230	210	195	450	420	395	360	335
3.0	1.0	465	430	410	370	345	685	640	600	550	510
	1.2	415	390	365	335	310	620	575	540	495	460
	1.4	385	355	340	310	285	580	540	510	485	430
	1.6	365	335	320	295	270	560	525	495	450	420
	1.8	350	330	310	280	260	550	515	485	440	410
	2.0	340	320	300	275	255	545	505	480	435	405
	Above 2.0	315	295	275	250	235	540	500	475	430	400
4.0	1.0	620	575	540	495	460	910	850	800	730	680
	1.2	555	515	485	445	410	820	765	720	660	610
	1.4	515	480	450	410	380	775	720	680	620	575
	1.6	485	455	425	390	360	745	695	655	595	555
	1.8	470	435	410	375	350	730	680	640	585	545
	2.0	455	425	400	365	340	725	675	635	580	540
	Above 2.0	420	390	370	335	310	715	665	630	575	535
5.0	1.0	770	715	675	615	575	1135	1060	1000	910	845
	1.2	690	640	605	555	515	1025	955	900	820	760
	1.4	640	595	560	515	480	960	900	845	770	720
	1.6	605	565	535	485	450	930	865	820	745	695
	1.8	585	545	515	465	435	910	850	800	730	680
	2.0	565	530	500	455	420	900	840	790	720	670
	Above 2.0	520	485	460	420	390	890	830	785	715	665
6.0	1.0	920	855	810	740	685	1355	1265	1195	1090	1015
	1.2	825	770	725	660	615	1225	1140	1075	985	915
	1.4	765	715	675	615	570	1150	1075	1015	925	860
	1.6	725	675	640	580	540	1110	1035	980	895	830
	1.8	700	650	615	560	520	1090	1015	960	875	815
	2.0	675	630	595	545	505	1075	1005	945	865	805
	Above 2.0	625	580	550	500	465	1065	995	940	855	800

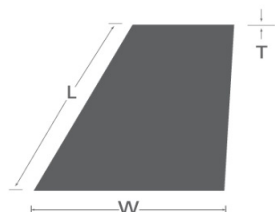
* The spanning data shown applies to alloy 5251 "F" temper only and is based on the maximum permissible deflection not exceeding $\frac{\text{span}}{200}$ for plates supported on all four edges.

** By definition the width is less than, or equal to, the length.

*** Fastening points along each edge must be spaced to prevent distortion of the plate, under the distributed load, between each point. A suggested guide is that the interval between fastening point should not exceed $\frac{\text{span}}{5}$.

Flat Sheets

Rolled Products



T = Thickness (mm)	W = Width (mm)	L = Length (mm)	Alloy temper	Finish	Product	Mill Finish (SAP Code)
0.7	1200	2400	5005 H34	MF	General purpose	100136
0.9	1200	2400	5005 H34	MF	General purpose	100155
0.9	1200	3600	5005 H34	MF	General purpose	100164
1.2	1200	2400	5005 H34	MF	General purpose	100177
1.2	1200	3000	5005 H34	MF	General purpose	101851
1.2	1200	3600	5005 H34	PE	General purpose	101961
1.6	900	2400	5005 H34	PE	General purpose	101384
1.6	1200	2400	5005 H34	MF	General purpose	100200
2.0	900	2400	5052 H34	MF	Marine grade	100228
2.0	1200	2400	5005 H34	MF	General purpose	100238
2.0	1200	2400	5052 H32	PE	Marine grade	101392
2.0	1500	3000	5052 H34	PE	Marine grade	101971
2.5	900	2400	5052 H34	MF	Marine grade	100274
2.5	1200	2400	5052 H34	PE	Marine grade	101440
2.5	1200	4800	5052 H34	PE	Marine grade	102612
3.0	1200	2400	5083 H321	MF	Marine grade certified	102476
3.0	1200	2400	5052 H32	PE	Marine grade	101301
3.0	1200	2400	5005 H34	PE	General purpose	101444
3.0	1200	3000	5052 H32	MF	Marine grade	101112
3.0	1500	3000	5052 H32	PE	Marine grade	102511
3.0	1500	3600	5052 H32	PE	Marine grade	101385
3.0	2000	4000	5052 H32	PE	Marine grade	102586
3.0	1200	4800	5052 H32	PE	Marine grade	101445
3.0	1200	6100	5052 H32	PE	Marine grade	102402
3.0	1500	6100	5052 H32	PE	Marine grade	102622
3.0	1830	6100	5083 H321	PE	Marine grade certified	102611

General Purpose Low to medium strength with good formability

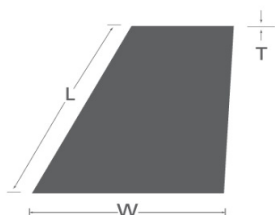
Engineering Grade High strength, machinable

Marine Grade Medium to high strength, machinable

Marine Grade Certified Medium to high strength, machinable, certified to Lloyds Register of Shipping specification

Heavy Gauge Flat Sheets

Rolled Products



T = Thickness (mm)	W = Width (mm)	L = Length (mm)	Alloy temper	Finish	Product	Mill Finish (SAP Code)
3.5	1650	9000	5083 H321	MF	Marine grade certified	102661
4.0	1200	2400	5052 H32	PE	Marine grade	102641
4.0	1200	2400	5052 H32	MF	Marine grade	100354
4.0	1200	2400	5083 H321	PE	Marine grade certified	102697
4.0	1500	3000	5052 H32	PE	Marine grade	102633
4.0	1200	3050	5083 H321	PE	Marine grade certified	102291
4.0	1530	3050	5083 H321	PE	Marine grade certified	102412
4.0	1830	3650	5083 H321	PE	Marine grade certified	102296
4.0	1530	3750	5083 H321	PE	Marine grade certified	102294
4.0	1200	6100	5083 H321	PE	Marine grade certified	102281
4.0	1500	6000	5052 H32	PE	Marine grade	102634
4.0	1830	6100	5083 H321	MF	Marine grade certified	100376
4.0	1830	6100	5083 H321	PE	Marine grade certified	102031
4.0	2000	6000	5083 H321	PE	Marine grade certified	102692
4.0	1830	7100	5052 H32	MF	Marine grade	102442
4.0	1680	6000	5083 H321	PE	Marine grade certified	102703
4.0	2000	7500	5083 H321	PE	Marine grade certified	102395
4.0	1680	9000	5083 H321	MF	Marine grade certified	102691
5.0	1200	2400	5052 H32	PE	Marine grade	102698
5.0	1200	2400	5083 H321	PE	Marine grade certified	102699
5.0	1530	2486	5083 H321	MF	Marine grade certified	102441
5.0	1200	4800	5083 H321	MF	Marine grade certified	100402
5.0	1200	6100	5083 H321	MF	Marine grade certified	100404
5.0	1830	6100	5083 H321	MF	Marine grade certified	100411
5.0	1830	6100	5083 H321	PE	Marine grade certified	102273
5.0	2000	7500	5083 H321	PE	Marine grade certified	102422

General Purpose Low to medium strength with good formability

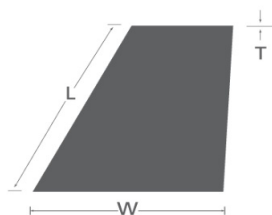
Engineering Grade High strength, machinable

Marine Grade Medium to high strength, machinable

Marine Grade Certified Medium to high strength, machinable, certified to Lloyds Register of Shipping specification

Plates

Rolled Products



T = Thickness (mm)	W = Width (mm)	L = Length (mm)	Alloy temper	Finish	Product	Mill Finish (SAP Code)
6.0	1200	2400	5052 H32	PE	Marine grade	102700
6.0	1200	2400	5083 H321	PE	Marine grade certified	102696
6.0	1200	6100	5083 H321	PE	Marine grade certified	102705
6.0	1830	6100	5083 H321	PE	Marine grade certified	102271
6.0	2000	6000	5083 H321	PE	Marine grade certified	102701
8.0	1200	2400	5083 H321	MF	Marine grade certified	100439
8.0	1830	6100	5083 H116	MF	Marine grade certified	100443
9.53	1536	3670	6061 T651	MF	Engineering grade	102428
10.0	1200	2400	5083 H321	MF	Marine grade certified	100447
10.0	1830	6100	5083 H321	MF	Marine grade certified	100453
12.0	1200	2400	5083 H321	MF	Marine grade certified	100454
12.0	1220	2440	6061 T651	MF	Engineering grade	102373
12.0	1830	6100	5083 H321	MF	Marine grade certified	100458
16.0	1830	3050	5083 H321	MF	Marine grade certified	102473
16.0	1524	3650	6061 T651	MF	Engineering grade	102481
16.0	1830	6100	5083 H321	MF	Marine grade certified	100464
20.0	1524	3650	6061 T651	MF	Engineering grade	100465
20.0	1524	3650	5083 H321	MF	Marine grade certified	100466
25.0	1524	3650	5083 H321	MF	Marine grade certified	100470
25.0	1524	3650	6061 T651	MF	Engineering grade	100469
32.0	1524	3650	5083 H321	MF	Marine grade certified	100476
32.0	1524	3650	6061 T651	MF	Engineering grade	100475
40.0	1524	3650	5083 H321	MF	Marine grade certified	100480
40.0	1524	3650	6061 T651	MF	Engineering grade	100479
50.0	1524	3650	6061 T651	MF	Engineering grade	100482
50.0	1525	3650	5083 H116	MF	Marine grade certified	101193
65.0	1524	3650	6061 T651	MF	Engineering grade	100483
80.0	1524	3650	6061 T651	MF	Engineering grade	100484
100.0	1525	3650	6061 T651	MF	Engineering grade	100452
114.0	1525	3000	6061 T651	MF	Engineering grade	100553
127.0	1525	3650	6061 T651	MF	Engineering grade	100459
152.4	1536	3670	6061 T6511	MF	Engineering grade	102564
203.0	1400	2800	6061 T6	MF	Engineering grade	102383
254.0	1400	2800	6061 T6	MF	Engineering grade	102413
304.8	1283	1993	6061 T6	MF	Engineering grade	102565

General Purpose Low to medium strength with good formability

Engineering Grade High strength, machinable

Marine Grade Medium to high strength, machinable

Marine Grade Certified Medium to high strength, machinable, certified to Lloyds Register of Shipping specification



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