

### ALUMINIUM TREADPLATE

Size mm	Approximate kg/ sheet	Finish	Alloy-Temper		
			5052-O	5251-O	3003 H22
1.6 x 1200 x 2400	13	Five Bar	50001782	50001780	
2 x 1200 x 2400	17	Five Bar	50001784		
2.5 x 1200 x 2400	21	Five Bar	50001785	50001781	
3 x 1200 x 2400	27	Five Bar	50001783	50001756	
5 x 1200 x 2400	41	Five Bar	50001786	50096351	
6 x 1200 x 2400	52	Five Bar		50001757	
1.6 x 1200 x 2400	13	Propellor			50010967
3.0 x 1200 x 2400	24	Propellor			50010968



### NOMINAL COMPOSITION

Alloy UNS	Alloy AA	Description	Element, weight%				
			Mg	Mn	Cr	Cu	Al
A91100	1100	99.00% Aluminium – Low Strength					Rem
A91200	1200	99.00% Aluminium – Low Strength					Rem
A93003	3003	Manganese Aluminium – Medium Strength		1.2		0.12	Rem
A95005	5005	Magnesium Aluminium – Medium Strength	0.8				Rem
A95052	5052	Magnesium Aluminium – Medium Strength	2.5				Rem
A95251	5251	Magnesium Aluminium – Medium Strength	2.0	0.35			Rem
A95083	5083	Magnesium Aluminium – High Strength	4.5	0.7	0.15		Rem



### ALLOY CHARACTERISTICS

Alloy	Standard Product				Corrosion Resistance	Machining	Anodising	Brazing
	Coil	Sheet	Plate	Treadplate				
1100	X	X			A	D	B	A
1200	X	X			A	C	B	A
3003	X	X	X		A	C	B	A
5005	X	X			A	C	B	B
5052	X	X	X	X	A	B	C	C
5251	X	X		X	A	B	C	C
5083			X		A	B	C	D



### APPLICATIONS

Alloy	Applications
1100	Spinning, holloware, food handling & storage, general sheet metal work.
1200	Spinning, holloware, and general sheet metal work.
3003	Chemical equipment and sheet metal work.
5005	Architectural, sheet metal work, high strength foil.
5052	Boats, dinghies and other applications requiring resistance to marine corrosion.
5251	Boats, dinghies and other applications requiring resistance to marine corrosion.
5083	Marine, pressure vessels, cryogenics, and structure. Not to be used above 65°C.

Relative ratings in decreasing order of merit : A, B, C, D.  
Data from Aluminium Development Council of Australia.