

# Thread Plates

## Specifications:

The high strength-to-weight ratio and raised anti-skid patterns, make Hindalco's flooring sheets ideal for use in a number of flooring allocations, especially for bus, truck and rail coaches, loading bays, kick plates, stair treads and catwalks.

The aluminium flooring sheets and plates are resistant to corrosion and denting and able to withstand severe conditions of abrasion.

Light, rust-free, hygienic and easy-to-clean, Hindalco's sheets and plates are manufactured with state-of-the-art equipment and sophisticated process technology. Stringent quality control measures have made them a standard in the aluminium flooring market.

Dimensions			
Parameter	Range	Standard	Tolerance
Thickness (mm)	1.00 — 6.00 mm (Base thickness)	-	for 1.00 to 1.63 +/-0.10
			for 1.64 to 2.50 +/-0.12
			for 2.51 to 4.00 +/-0.13
			for 4.01 to 6.00 +/-0.15
Width (mm)	700 — 1219*	813	+/-3 for width <=1000
		1219	+/-4 for width >1000
Length (mm)	3660 max	2438, 3660	+/-3 for width <=1000
			+/-4 for width 1000 - 2000

			+/-5 for width 2000 -3000
			+/-7 for width >3000
Diagonal difference (mm)	<=6 when length <=1000		
	<=8 when length 1000 — 2000		
	<=10 when length 2000 — 3000		
	<=14 when length > 3000	-	-
Offer for thickness and width outside the range may be quoted on specific request			

Mechanical properties				
Alloy (AA)	Temper	UTS (mpa)		Bend test: radius of bend (T= material thickness)
		Min	Max	
3105	O	95	145	close
3105	M*	-	-	-
G57S	M*	-	-	-
6061	M*	-	-	-
5005	M*	-	-	-
7039	T4	280		5t
	T6	315	-	
*No standard mechanical properties available for M-Temper				



Chemical composition					
Alloy (%)	3105	G57S	6061	5005	7039
Fe	0.70	0.50 — 0.65	0.70	0.70	0.40
Si	0.60	0.50	0.40 — 0.8	0.30	0.30
Mg	0.20 — 0.80	1.40 — 1.65	0.8 — 1.2	0.50 — 1.10	2.30 — 3.30
Mn	0.30 — 0.80	1.20 — 1.40	0.15	0.20	0.10 — 0.40
Cu	0.30	0.20	0.15 — 0.40	0.20	0.10
Zn	0.25	-	0.25	0.25	3.5 — 4.5
Ti	0.10	0.05	0.15	-	0.10
Cr	0.10	-	0.04 — 0.35	0.10	0.15 — 0.25
Each (Others)	0.05	0.05	0.05	0.05	0.05
Total (Others)	0.15	0.20	0.15	0.15	0.15
Al	Remainder	Remainder	Remainder	Remainder	Remainder
Single number indicates maximum content.					
There maybe some residual oil or oil stain on the sheet surface, unless specially requested.					

## Packing

The flooring sheets are packed loose or in poly-laminated gunny with hoop iron strap and clip, with edge guards and placed on a wooden pallet.

## Applications :

Flooring for buses, trucks and rail coaches

Floors for loading bays, kick plates, stair treads and catwalks