

# Aluminium Alloy

## PLANCAST PLUS PLATE 5754



Amari ireland Ltd

### SPECIFICATIONS

Commercial	5754
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PLANCAST PLUS Plate is available:

- > In thicknesses from 5mm to 100mm
  - > Standard Width 1520mm
  - > Standard Lengths 3020mm or 4000mm
- It is also available in cut pieces

### CHEMICAL COMPOSITION

PLANCAST PLUS  
5754 Plate

Element	% Present
Magnesium (Mg)	2.60 - 3.60
Manganese (Mn)	0.0 - 0.50
Iron (Fe)	0.0 - 0.40
Silicon (Si)	0.0 - 0.40
Chromium (Cr)	0.0 - 0.30
Zinc (Zn)	0.0 - 0.20
Titanium (Ti)	0.0 - 0.15
Copper (Cu)	0.0 - 0.10
Aluminium (Al)	Balance

### SUPPLIED FORMS

- Plate

### GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.66 g/cm <sup>3</sup>
Melting Point	600 °C
Thermal Expansion	24 x10 <sup>-6</sup> /K
Modulus of Elasticity	70 GPa
Thermal Conductivity	140-160 W/m.K
Heat Capacity	900 J/kgK
Electrical Conductivity	17-23 MS/m

### MECHANICAL PROPERTIES

PLANCAST PLUS 5754  
Plate  
5mm - 100mm thick

Property	Value
Proof Stress	90 Min MPa
Tensile Strength	200 Min MPa
Elongation A50 mm	12 Min %
Hardness Brinell	55 Min HB

### CONTACT

**Address:** Please make contact directly with your local service centre, which can be found via the Locations page of our web site.  
**Web:** [www.amari-ireland.com](http://www.amari-ireland.com)

### REVISION HISTORY

Datasheet Updated 09 April 2019

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