RIGHTON BLACKBURNS
METALS AND PLASTICS

EXPERTISE COLLABORATION INTEGRITY

Aluminium | 5754 H26 Sheet & Plate

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	5754 H26
EN	5754 H26

Excellent corrosion resistance for applications in the marine, nuclear, chemical and oil & gas industries.

CHEMICAL COMPOSITION

BS EN 573-3
Alloy 5754

Element	% Present
Manganese (Mn)	0.00 - 0.50
Iron (Fe)	0.00 - 0.40
Magnesium (Mg)	2.60 - 3.60
Silicon (Si)	0.00 - 0.40
Chromium (Cr)	0.00 - 0.30
Copper (Cu)	0.00 - 0.10
Manganese + Chromium (Mn+Cr)	0.10 - 0.60
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Titanium (Ti)	0.00 - 0.15
Zinc (Zn)	0.00 - 0.20
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Alloy 5754 also corresponds to the following standard designations and specifications ***but may not be a direct equivalent***:

- A95754
- Al Mg3
- Al 3.1Mg Mn Cr
- AW-5754

TEMPER TYPES

The most common tempers for 5754 aluminium are shown below with H114 & H111 being the most common treadplate temper.

- H22
- H24
- H26
- O
- H111

SUPPLIED FORMS

- Sheet
- Plate

APPLICATIONS

- Treadplate
- Shipbuilding
- Vehicle bodies
- Rivets
- Fishing industry equipment
- Food processing
- Welded chemical and nuclear structures

CHARACTERISTICS

- Excellent weldability
- Good formability
- Excellent resistance to seawater & industrial chemical corrosion

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MECHANICAL PROPERTIES

BS EN 485-2
Sheet 0.2mm to 6mm

Property	Value
Proof Stress	190 Min MPa
Tensile Strength	265 - 305 MPa
Hardness Brinell	78 HB
Elongation A50 mm	4 Min %