

## 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

## 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 %       |

### DISCLAIMER

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