

## Aluminium

## 3103 H14 Sheet

Datasheet Updated  
05 August 2021

### RANGE

Sheet Size	Thicknesses
2000 x 1000	1.0mm - 1.5mm
2500 x 1250	1.0mm - 3.0mm
3000 x 1250	3.0mm

### SPECIFICATIONS

Commercial	3103 H14
EN	3103 H14

A commercial aluminium alloy which is close in properties to 3003.

### CHEMICAL COMPOSITION

BS EN 573-3  
Alloy 3103

Element	% Present
Manganese (Mn)	0.90 - 1.50
Iron (Fe)	0.00 - 0.70
Copper (Cu)	0.00 - 0.10
Magnesium (Mg)	0.00 - 0.30
Silicon (Si)	0.00 - 0.50
Zinc (Zn)	0.00 - 0.20
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Chromium (Cr)	0.00 - 0.10
Titanium + Zirconium (Ti+Zr)	0.00 - 0.10
Aluminium (Al)	Balance

### ALLOY DESIGNATIONS

Aluminium alloy 3103 corresponds to the following standard designations and specifications *but may not be a direct equivalent*.

- ISO Al Mn1

### TEMPER TYPES

- H14

### SUPPLIED FORMS

- Sheet

### APPLICATIONS

- Heat exchangers
- Air condition evaporators
- Aircraft and military components
- Motor vehicle radiators
- Freezer linings
- Cladding alloy
- Office equipment
- Tubing and piping
- Pressure vessels

### CHARACTERISTICS

- Good cold workability
- Very good weldability
- Good resistance to atmospheric corrosion

### MECHANICAL PROPERTIES

BS EN 485-2  
Sheet 0.2mm to 6.0mm

Property	Value
Tensile Strength	140 - 180 MPa
Proof Stress	120 Min MPa
Hardness Brinell	45 HB

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