

Aluminium

1050A H14 Sheet

Datasheet Updated
05 August 2021

RANGE

Sheet Size	Thicknesses
2000 x 1000	0.5mm - 3.0mm
2500 x 1250	0.5mm - 3.0mm
3000 x 1250	1.0mm - 3.0mm
3000 x 1500	1.2mm - 4.0mm
4000 x 1000	2.0mm - 3.0mm
4000 x 1250	2.0mm - 3.0mm
4000 x 1500	2.0mm - 3.0mm
4000 x 2000	2.0mm - 3.0mm

Some sheet can be supplied polycoated on one or two sides.

Stucco Sheets

Sheet Size	Thicknesses
2000 x 1000	0.5mm - 0.8mm
2500 x 1250	0.5mm - 1.2mm

SPECIFICATIONS

Commercial	1050A H14
EN	1050A H14

Aluminium alloy sheet for general purpose use.

CHEMICAL COMPOSITION

BS EN 573-3

Alloy 1050A

Element	% Present
Manganese (Mn)	0.00 - 0.05
Iron (Fe)	0.00 - 0.40
Copper (Cu)	0.00 - 0.05
Magnesium (Mg)	0.00 - 0.05
Silicon (Si)	0.00 - 0.25
Zinc (Zn)	0.00 - 0.07
Titanium (Ti)	0.00 - 0.05
Other (Each)	0.00 - 0.03
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy 1050A also corresponds to the following standard designations and specifications **but may not be a direct equivalent:**

- AA1050
- S1B
- A91050

TEMPER TYPES

The most common tempers for 1050 aluminium are:

- H14

SUPPLIED FORMS

- Treadplate/Patterned Sheet
- Sheet

APPLICATIONS

Alloy 1050 is typically used for:

- Chemical process plant equipment
- Food industry containers
- Pyrotechnic powder
- Architectural flashings
- Lamp reflectors
- Cable sheathing
- General sheet metalwork

CHARACTERISTICS

- Excellent corrosion resistance
- High ductility
- Highly reflective finish
- Excellent weldability
- Excellent cold working properties

MECHANICAL PROPERTIES

BS EN 485-2

Sheet 0.2mm to 6.00mm

Property	Value
Tensile Strength	105 - 145 MPa
Proof Stress	85 Min MPa
Hardness Brinell	34 HB
Elongation A	12 Min %

DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon. Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

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