

2219 Aluminium Plate

Smiths Advanced Metals

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For High-Temperature Applications

2219 aluminium plate offers high fracture toughness and stress corrosion resistance.

The material is a precipitation age hardenable heat treatable alloy often used in high-temperature applications where welding is a requirement.

The alloy combines good mechanical and machinability characteristics. 2219 aluminium is well known for offering excellent structural strength. The alloy is solution heat-treated, stress relieved and artificially aged to achieve the T851 temper. 2219 aluminum plate availability includes various sizes and tempers such as T851.

Grades / Specifications

- AMS4295
- AMS4599
- AMSQQA250/30
- ASTM B209



In-House Processing

We offer our customers comprehensive in-house plate sawing services utilising vertical and CNC plate saws. We process your aluminium plates to tight tolerances and, dependent on the grade, also stock a range of pre-cut planks for immediate supply.

Sales & Aftersales Support

Our knowledgeable technical team are ready to take your call and are supported by experienced metallurgists based at our own [UKAS Accredited Testing Laboratory](#). When you purchase from us, you can expect an unrivalled supply path that will help improve your supply chain.

Key Applications

- Space boosters
- Aerospace structural components
- Fuel tanks
- High temperature structural applications

Benefits

- Good mechanical properties
- Lowest electrical conductivity
- High-temperature range -450° to 600°

Chemical Composition (weight %)

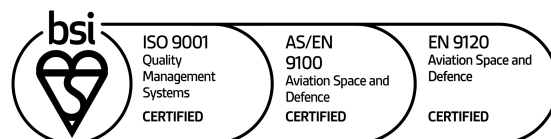
	Si	Fe	Cu	Mn	Mg	Zn	Ti	V	Zr	Each	Other	Al
min.			5.80	0.20			0.02	0.05	0.10			Rem
max.	0.20	0.30	6.80	0.40	0.02	0.10	0.10	0.15	0.25	0.05	0.15	

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