

Applications

- Aircraft components
- General fabrication
- Processing equipment (chemical, pharmaceutical)
- Sheet metal work
- Boiler fabrication
- Industrial pressure vessels (food sector)
- Kitchenware

Key features:

- High thermal conductivity
- Very good weldability
- Very good atmospheric corrosion resistance
- Easily joined
- High anodising capability

Product Description

L54 is a hydraulically tested, cold drawn aluminium tube product which has high corrosion resistance with slightly higher strength than 1050a. Based on aluminium alloy material designation 1200, the material also boasts high thermal conductivity and reflectivity although this is not quite as high as 1050. L54 has a 99% minimum requirement for aluminium content and yet is still classed as a non heat-treatable commercially pure aluminium.

Corrosion Resistance

High

Availability

Pipe, tube

Cold Working

Excellent

Chemical Composition (weight %)

Weight (%)	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti + Zr
min.											
max.	0.5	0.7	0.10	0.1	0.1		0.1	0.10	0.05	0.05	0.20

Mechanical Properties (up to 25mm OD and up to 12mm wall)

Tensile Strength (min)	125 N/mm ²
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Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

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