

# Aluminium - 1050 H14

## Sheet Stucco

## Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition (%)
2000 x 1000 x 0.5	2.71	Manganese (Mn)	0.0 - 0.05
2000 x 1250 x 0.5	4.23	Iron (Fe)	0.0 - 0.40
2000 x 1000 x 0.6	3.25	Copper (Cu)	0.0 - 0.05
2500 x 1250 x 0.6	5.08	Magnesium (Mg)	0.0 - 0.05
2000 x 1000 x 0.7	3.79	Silicon (Si)	0.0 - 0.25
2500 x 1250 x 0.7	5.93	Zinc (Zn)	0.0 - 0.07
2000 x 1000 x 0.8	4.34	Titanium (Ti)	0.0 - 0.05
2500 x 1250 x 0.8	6.78	Aluminium (Al)	Balance
3000 x 1250 x 0.9	9.24		
3000 x 1500 x 0.9	11.09		
2500 x 1250 x 1.0	8.47		
2500 x 1250 x 1.2	10.20		
3000 x 1250 x 1.2	12.32		
3000 x 1500 x 1.2	14.78		

  

Mechanical Properties	
Property	Value
Proof Stress	85 MPa
Tensile Strength	100 MPa
Elongation	12%
Shear Strength	60 MPa
Hardness Vickers	30 HV

  

Physical Properties	
Property	Value
Density	2.71 g/cm <sup>3</sup>
Melting Point	650°C
Thermal Expansion	24 x 10 <sup>-6</sup> /K
Modulus of Elasticity	71 GPa
Thermal Conductivity	222 W/m.k
Electrical Resistivity	0.0282 x 10 <sup>-6</sup> Ω.m

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