

1xxx/5xxx plate, strip and sheet

As opposed to cast products, non heat treatable rolled plate stands out due to its tensile strength and fracture toughness and this means that its is not only used for standard mechanical engineering, transport and mould making applications, but is preferred for sensitive pressure vessel manufacture and the production of mechanical parts subject to extreme wear. Non heat treatable strip and sheet are characterised by their evenness, extremely tight thickness tolerances and surface quality, which are above all in demand by the automotive industry and for other advanced high-tech applications.

Widths up to 1530 mm (max. 60.5 inch)

Alloy	Temper	Thickness [mm]		Gauge [inch]		Tensile strength Rm [MPa]		Yield point Rp [MPa]
		from	to	from	to	min.	max.	min.
EN AW - 1050A [Al99.5]	0 / H111	≥ 4.0	≤ 100.0	≥ 0.157	≤ 3.937	65	95	20
EN AW - 5052 [Al Mg2.5]	0 / H111	≥ 4.0	≤ 6.0	≥ 0.157	≤ 0.236	170	215	65
		> 6.0	≤ 100.0	> 0.236	≤ 3.937	165	215	65
EN AW - 5754 [Al Mg3]	0 / H111	≥ 4.0	≤ 100.0	≥ 0.157	≤ 3.937	190	240	80
EN AW - 5083 [Al Mg4.5Mn0.7]	0 / H111	≥ 3.0	≤ 6.3	≥ 0.118	≤ 0.248	275	350	125
		> 6.3	≤ 80.0	> 0.248	≤ 3.150	270	345	115
		> 80.0	≤ 100.0	> 3.150	≤ 3.937	260	-	110
EN AW - 5086 [Al Mg4]	0 / H111	≥ 3.0	≤ 100.0	≥ 0.118	≤ 3.937	240	310	100