

Tempers

Symbol	Description
T4	Solution heat - treated and then naturally aged
T5	Cooled from an elevated temperature shaping process and then artificially aged
T6	Solution heat - treated and then artificially aged
T61	Solution heat - treated and then artificially aged in underaging conditions in order to improve formability
T64	(T64 between T61 and T6)
T66	Solution heat - treated and then artificially aged - mechanical property level higher than T6 achieved through special control of the process 6000 series alloys
T7	Solution heat - treated and then artificially over-aged

The main tempers in use for structural application of precipitation hardened semi products (T7 only listed to explain the system).

Alumil in collaboration with the client, has the expertise to manage the process between T4 and T7 in order to meet and serve specific requirements with respect to all customer requirements - technical specifications of the final construction (bending facilitation, corrosion resistance and electrical conductivity improvement).

If a profile cross section is comprised of different thickness which fall in more than one set of specified mechanical property values, the lowest specified value shall be considered as valid for the whole profile cross section.

The hardness values are only typical and shall not be considered as minimum.

Tolerances on dimensions and form

Alloy	Specifications
EN AW 6060	755 - 9 / 12020 - 2
EN AW 6063	755 - 9 / 12020 - 2
EN AW 6005 / 6005A	755 - 9
EN AW 6082	755 - 9

