



Technical Data

Marine Alloys (Sheets)

Alloys:

AA 5052
AA 5154A
AA 5754
AA 5454
AA 5083
AA 5086

Chemical composition:

acc. EN 573-3 / AA specifications

Mechanical properties: (acc. DNV Rules)

	tensile strength (Rm) Mpa	yield stress(R _{p0.2}) Mpa	elongation (A ₅) %
5052 H111	> 170	> 65	> 16
5052 H32	> 210	> 160	> 10
5154 H111	> 215	> 85	> 16
5754 H111	> 190	> 80	> 17
5754 H24/H34	> 240	> 165	> 10
5454 H111	> 215	> 85	> 16
5454 H32	> 250	> 180	> 10
5083 H111	> 275	> 125	> 15
5083 H321	> 305	> 215	> 10
5083 H116	> 305	> 215	> 10
5086 H111	> 240	> 95	> 14
5086 H116	> 275	> 195	> 9

Thickness range:

1.0 – 6.0 mm for tempers H321 / H116
2.0 – 10.0 mm for tempers H111 / H32 / H24

Thickness tolerance:

1.0 – 4.5 mm: ½ EN 485 – 4
5.0 – 10.0 mm: +/- 0.30 mm

Width range:

1,000 – 2,000 mm for tempers H321, H116, H32, H24
1,000 – 2,500 mm for temper H111

Sheet length range:

1,000 – 12,000 mm

Length tolerance: sheared edges:
sawed edges:

½ EN 485 – 3
-0 / +2 mm

Diagonal difference: sheared edges:
sawed edges:

½ EN 485 – 3
4 mm

Due to technical reasons not every thickness/width combination available

DNV, LRS, GL, BV, ABS, certification available

Smaller tolerances upon request