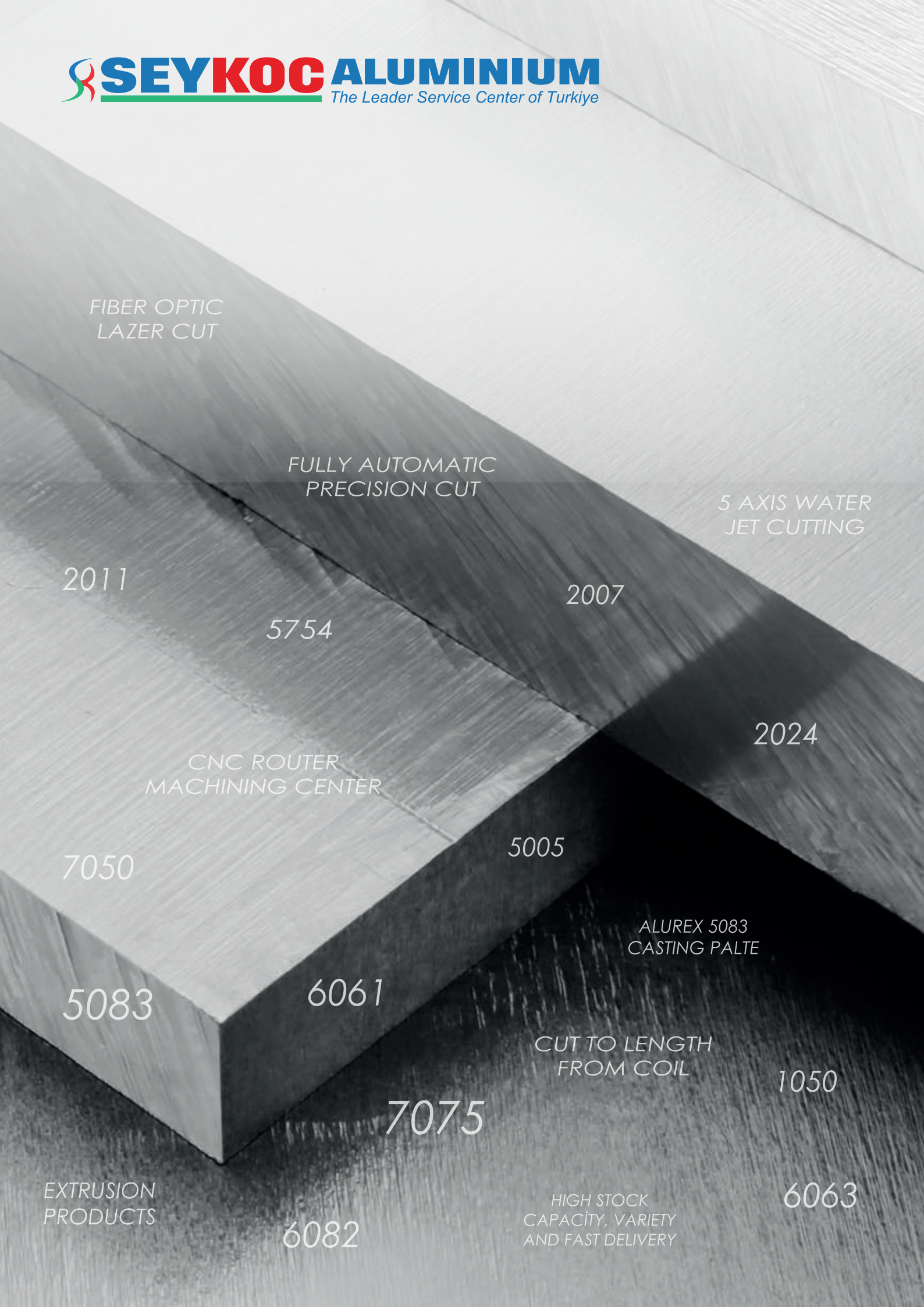

SEYKOC ALUMINIUM
The Leader Service Center of Turkiye
FIBER OPTIC
LAZER CUT
FULLY AUTOMATIC
PRECISION CUT
5 AXIS WATER
JET CUTTING
2011
2007
5754
2024
CNC ROUTER
MACHINING CENTER
5005
7050
ALUREX 5083
CASTING PALTE
5083
6061
CUT TO LENGTH
FROM COIL
1050
7075
EXTRUSION
PRODUCTS
6063
HIGH STOCK
CAPACİTY, VARIETY
AND FAST DELIVERY
6082

Headquarters & Main Warehouse

Seykoc Ankara


Milling Center(Router, Laser,Water-jet, Horizontal/Vertical plate cutting)

SEYKOC ALUMINIUM

The Leader Service Center of Turkiye

Founded in 2004 in Istanbul, **Seykoc Aluminium** has grown into one of Turkey's leading suppliers of high-performance aluminium alloys.

With over 30,000 m² of production space spread across our facilities in Çayırova, Şekerpınar and Ankara and regional hubs in Konya and Adana, we serve diverse industries with speed, precision, and reliability.

Our strength lies in our **exceptional stock capacity, extensive alloy variety, and state-of-the-art processing capabilities, including CNC machining, fiber laser cutting, water-jet cutting, and automated length cutting from coil.**

We are the proud producers of **Alurex 5083**, a patented casting plate renowned for its dimensional stability and machinability.

Seykoc guarantees **100% traceability** for every process and every product.

REGISTERED AS 9120 QUALITY SYSTEM

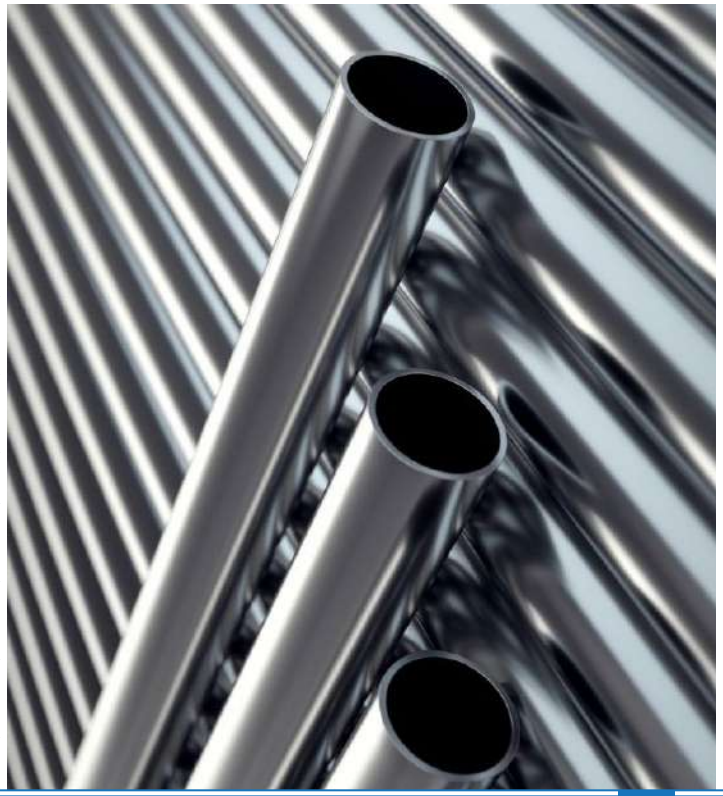
K-Q TSE-ISO-EN 9000

ISO 9001:2015

HEAT TREATMENT SYMBOLS

Temper	Explanation
F	As manufactured: This designation applies to products of forming processes where no special control is applied to the thermal conditions or cold forming hardening.
0	Annealed: This designation applies to products annealed to obtain the lowest strength tempers. “O” may be followed by a digit other than zero (1).
H	Hardened by Cold Forming: This designation applies to products which are subjected to cold working after annealing (or after hot forming) or to a combination of cold working and partial annealing or equalisation to provide the specified mechanical properties. At least two digits follow the letter H. The first digit indicates the type of heat treatment and the second digit indicates the degree of cold forming hardening. (In some cases a third digit is used to describe special process techniques.
H12	Cold-forming hardened - ¼ Hard
H14	Cold-forming hardened -½ Hard
H16	Cold-forming hardened -¾ Hard
H18	Cold-forming hardened - 4/4 Hard full hardened
H19	Cold-forming hardened extra hard
H111	Annealed and slightly cold-forming hardened (H less than 11) during operations such as stretching or straightening
H112	Slightly cold-forming hardening from a limited cold working (mechanical property limits determined) or from an elevated temperature treatment
H22	Cold-forming hardened and partially annealed - ¼ Hard
H24	Cold-forming hardened and partially annealed - ½ Hard
H26	Cold-forming hardened and partially annealed -¾ Hard
H28	Cold-forming hardened - 4/4 Hard full hardened
H32	Cold-forming hardened and stabilized -¼ hard
H34	Cold-forming hardened and stabilized -¼ hard
H36	Cold-forming hardened and stabilized -¾ hard
H38	Cold-forming hardened and stabilized - 4/4 hard (fully hardened)
H42	Cold-forming hardened and painted and lacquered -¼ hard
H44	Cold-forming hardened and lacquered - ½ hard
H46	Cold-forming hardened and painted and lacquered -¾ hard
H48	Cold-forming hardened and painted and lacquered 4/4 hard (fully hardened)
T3	Solution heat treated and cold worked and naturally aged
T4	Solution heat treated and naturally aged

Temper	Explanation
T6	Solution heat treated and artificially aged
T351	Solution heat treated, stress relieved by controlled stretching (0,5-3% for permanent deformation sheet, 1,5-3 %, for plates, 1-3 % for rolled or cold finished rod, 1-5 % for hand forging or ring forging and for rolled ring) and no further straightening is carried out on naturally aged products after stretching.
T451	Solution heat treated, stress relieved by controlled stretching (0,5-3% for permanent deformation sheet, 1,5-3 %, for plates, 1-3 % for rolled or cold finished rod and bar, 1-5 % for hand forging or ring forging and rolled ring) and naturally aged. No further straightening is carried out on naturally aged products after stretching.
T651	Solution heat treated, stress relieved by controlled stretching (0,5-3% for permanent deformation sheet, 1,5-3 %, for plates, 1-3 % for rolled or cold finished rod and bar, 1-5 % for hand forging or ring forging and rolled ring) and artificially aged. No further straightening is carried out on products after stretching.
T7351	Solution heat treated, stress relieved by controlled stretching (0,5-3% for permanent deformation sheet, 1,5-3 %, for plates, 1-3 % for rolled or cold finished rod and bar, 1-5 % for hand forging or ring forging and rolled ring) and artificially overaged to obtain the best stress corrosion resistance. No further straightening is carried out on products after stretching.
T7451	Solution heat treated, stress relieved by controlled stretching (0,5-3% for permanent deformation sheet, 1,5-3 %, for plates, 1-3 % for rolled or cold finished rod and bar, 1-5 % for hand forging or ring forging and rolled ring) and afterwards artificially overaged (between T73 and T76). No further straightening is carried out on products after stretching.



1XXX Series

Alloy	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
1050	HX2, HX4, HX6	0.5 - 12.5	1,000-1,540	2,500-4,000	20
		12.5 - 20.0	1,000-1,540	2,000-6,000	24
		20 - 40.0	1,000-1,540	2,000-8,000	29
	HX8, HX9	0,5 - 12.5	1,000-1,540	2,500-4,000	35
		12.5 - 20.0	1,000-1,540	2,000-6,000	39
		20.0 - 40.0	1,000-1,540	2,000-8,000	45

2XXX Series

Alloy	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
2014	T4, T451	0.5 - 12.5	1,000-1,540	2,500-4,000	112
		12.5 - 40.0	1,000-1,540	2,000-6,000	112
		40.0 - 100.0	1,000-1,540	2,000-8,000	111
	T651	0,5 - 12.5	1,000-1,540	2,500-4,000	135
		12.5 - 40.0	1,000-1,540	2,000-6,000	138
		40.0 - 60.0	1,000-1,540	2,000-8,000	135
		60.0 - 80.0	1,000-1,540	2,000-8,000	131
		80.0 - 100.0	1,000-1,540	2,000-8,000	126
		100.0 - 120.0	1,000-1,540	2,000-7,000	123
2017 A	T4, T451	0.5 - 12.5	1,000-1,540	2,000-4,000	111
		12.5 - 40.0	1,000-1,540	2,000-6,000	110
		40.0 - 60.0	1,000-1,540	2,000-7,500	108
		60.0 - 80.0	1,000-1,540	2,000-7,500	105
		80.0 - 120.0	1,000-1,540	2,000-5,000	105
		120-130	1,000-1,540	2,000-5,000	101
2024	T3, T351	0.5 - 12.5	1,000-1,540	2,000-4,000	124
		12.5 - 40.0	1,000-1,540	2,000-6,000	122
		40.0 - 80.0	1,000-1,540	2,000-8,000	120
		80.0 - 100.0	1,000-1,300	2,000-7,500	115
		100.0 - 120.0	1,000-1,300	2,000-6,000	110
		120.0 - 130.0	1,000-1,300	2,000-5,000	104

5XXX Series

Alloy	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
5083	O, H111	2.0 - 20	1,000-3,000	2,500-4,000	75
	O, H111	20.0 - 50.0	1,000-3,000	2,500-4,000	75
	H321	12.5 - 50.0	1,000-3,000	2,000-6,000	89
	O, H111, H321	50.0 - 80.0	1,000-3,000	2,000-8,000	73
		80.0 - 120.0	1,000-3,000	2,500-7,000	70
		120.0 - 300.0	1,000-3,000	2,000-4,000	69
	F	12.0 - 50.0	1,000-3,000	2,000-6,000	-
		50.0 - 152.0	1,000-3,000	2,000-4,000	-
5186	O, H111	4.0 - 12.5	1,000-3,300	2,000-12,000	65
5182	O, H111	4.0 - 12.5	1,000-3,300	2,000-12,000	65
5754	O, H111 H22, HX4	0.5 - 10.0	1,000-3,000	2,000-4,000	52
		10.0 - 12.5	1,000-3,000	2,000-6,000	52
		12.5 - 50.0	1,000-3,000	2,000-8,000	52
		50.0 - 80.0	1,000-3,000	2,000-7,000	52
		80.0 - 152.0	1,000-3,000	2,000-4,000	52

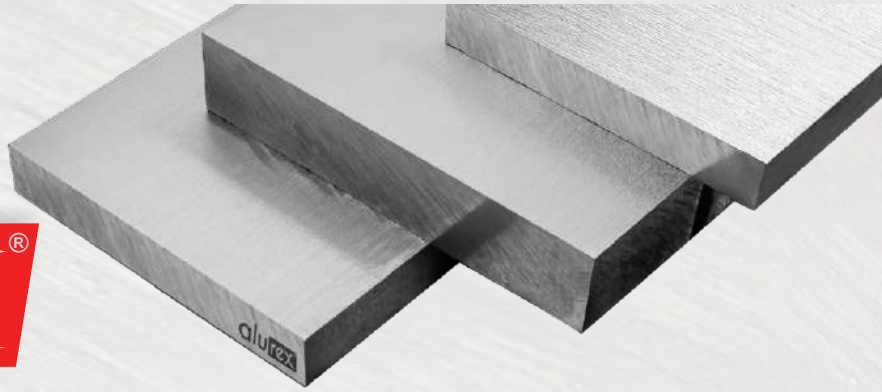
6XXX Series

Alloy	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
6061	T6, T651	1.0 - 10.0	1,000-2,000	2,500-4,000	88
	T651	10.0 - 12.5	1,000-2,000	2,000-6,000	88
		12.5 - 40.0	1,000-2,000	2,000-6,000	88
		40.0 - 80.0	1,000-2,000	2,500-8,000	88
	T6, T651	80.0 - 100.0	1,000-2,000	2,000-7,500	88
		100.0 - 250.0	1,000-2,000	2,000-5,000	84
6082	T6, T651 T651	1.0 - 6.0	1,000-1,540	2,000-4,000	94
		6.0 - 12.5	1,000-1,540	2,000-6,000	91
		12.5 - 60.0	1,000-1,540	2,000-6,000	89
	T6, T651	60.0 - 100.0	1,000-1,540	2,000-7,500	89
		100.0 - 150.0	1,000-1,540	2,000-5,000	84
		150.0 - 250.0	1,000-1,540	2,000-5,000	83

7XXX Series

Alloy	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
7050	T7451	20.0- 100.0	1,000-1,300	2,000-4,000	-
7075	T6, T651	2.0 - 12.5	1,000-2,000	2,000-4,000	163
		12.5 - 25.0	1,000-2,000	2,000-8,000	161
		25.0 - 50.0	1,000-2,000	2,500-8,000	158
		50.0 - 60.0	1,000-2,000	2,500-8,000	155
		60.0 - 80.0	1,000-2,000	2,000-7,000	147
		80.0 - 90.0	1,000-2,000	2,000-6,000	144
		90 - 100.0	1,000-2,000	2,000-5,000	135
	T7351	6.0 - 12.5	1,000-2,000	2,000-4,000	140
		12.5 - 25.0	1,000-2,000	2,000-8,000	140
		25.0 - 50.0	1,000-2,000	2,000-8,000	140
		50.0 - 60.0	1,000-2,000	2,000-8,000	133
		60.0 - 80.0	1,000-2,000	2,000-7,000	129
		80.0 - 100.0	1,000-2,000	2,000-5,000	126
	T7651	6.0 - 12.5	1,000-2,000	2,000-4,000	146

According to the specified standards of the products that we supply,Product verification is ensured by performing 100% “Incoming Quality Control” tests.



Cast Plate

- Alurex is a brand of cast slabs with exceptional machining properties,relieved internal stress , 100% Ultasonic crack control tested, basically in accordance with EN AW-5083 requirements.

- Alurex is a product designed to meet the needs of a wide range of sectors, eliminating the risk of distortion after processing, and for these characteristics is particularly preferred in mold making. (thermoforming, polystyrene, plastic blow molding, etc.)

Typical Physical Characteristics	
Density (g/m³)	2.66
Modulus of Elasticity	70000 N/m²
Thermal Conductivity	110-125 W/m*K
Coefficient of Thermal Expansion	24.2 10-6 K
Specific Heat Capacity	900 J/kg
Electrical Conductivity	15-18 m/mm²
Electrical Conductivity	10-15 um

High Physical Resistance

MARINE GRADES

Aluminium superstructures are widely used in marine vessels—particularly in boats and yachts—due to their low weight, high corrosion resistance, and excellent strength-to-weight ratio. By reducing overall weight and lowering the center of gravity, aluminium enhances vessel stability and fuel efficiency.

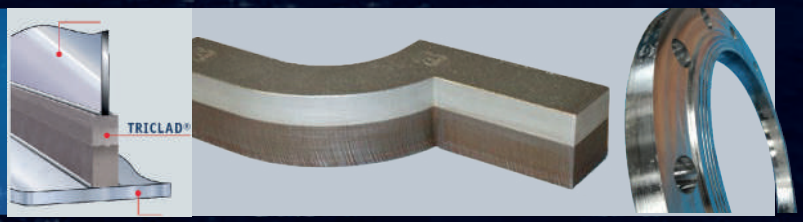
Marine-grade aluminium alloys are used in hulls, decks, and masts, especially in small crafts and performance yachts. These alloys are classified and certified according to international marine standards, ensuring safety and long-term durability at sea.

Compared to steel, aluminium is about one-third as dense while maintaining comparable yield strength. This results in marine structures that are lighter, more efficient, and easier to fabricate, without compromising performance.

Lloyd's Register Marine · ABS FOUNDED 1862 · DNV · RINA 1861 · CERTIFICAZIONE DI PRODOTTO BUREAU VERITAS Certification · CERTIFIED ALLOYS

Triplate® TRICLAD®

Strip Widh	:	Variable
Strip Length	:	Maximum 3800 mm
Standard Strip Thickness	:	24 mm or 34 mm



Profiles : Square Profile - Angle Profile - Pipes - Special Profiles - Dutch Profile

Fittings : Elbows - Flange

MARINE INDUSTRY

PLATES

Alloy	Temper	Thickness	Dimensions
5754 (AlMg3)	H111-H22	3 mm - 8 mm	2000 x 6000mm 2000 x 8000mm
5083 (Almg4.5)	H111-H116-H321	10 mm - 40 mm	

TREAD PLATES

Alloy	Temper	Thickness	Dimensions
1050	H18	2 mm - 6 mm	2000 x 6000mm 2000 x 8000mm
5754	H114		

BARS

Alloy	Temper	Diameter	Length
5754 - 5083	H112	10 mm - 508 mm	3000mm
6082 - 6063	T6 / T651		

AVIATION INDUSTRY

Around 70% of modern aircraft are built usin aluminium valued for its lightweight durability. The lightness and strength of aluminium alloys have made a significant contribution to the development of aircraft and the aviation industry.

Following aluminium-copper alloys, aluminium-lithium alloys are set to become the most important material for aircraft in the future. Aircraft made from aluminium-lithium alloys can be 15% lighter.

AS 9120B
Quality Management Systems
(Requirements for Aviation, Space, and Defense Distributors)

AMS-QQ-A Standards

Material	Chemical Composition	Mechanical Properties	Tolerance and Geometry
Rods, squares, rectangulars (2024 Series)	AMS-QQ-A-200/3	AMS-QQ-A-200/3	AMS-QQ-A-200/3
Rods, squares, rectangulars (6061 Series)	AMS-QQ-A-200/8	AMS-QQ-A-200/8	AMS-QQ-A-200/8
Rods, squares, rectangulars (7075 Series)	AMS-QQ-A-200/11	AMS-QQ-A-200/11	AMS-QQ-A-200/11
Plates (2024 Series)	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A
Plates (5083 Series)	AMS-QQ-A-250/6	AMS-QQ-A-250/6	AMS-QQ-A-250/6
Plates (6061 Series)	AMS-QQ-A-250/11	AMS-QQ-A-250/11	AMS-QQ-A-250/11
Plates (7075 Series)	AMS-QQ-A-250/12	AMS-QQ-A-250/12	AMS-QQ-A-250/12

SHEETS

Alloy	Temper	Thickness	Dimensions
2024 (AlCu4Mg)	T3 - T351	0.5 mm - 300 mm	1000 x 2000 mm 2000 x 6000 mm
6061 (AlMg1SiCu)	T6 - T651		
6082 (AlSi1MgMn)	T6 - T651		
7050 (AlZn6CuMgZr)	T7351 - T7451 - T7651		
7075 (AlZn5,5MgCu)	T6 - T651		

RODS

Alloy	Temper	Diameter	Length
2024 (AlCu4Mg)	F - T6	10 mm - 508 mm	3000 mm
2024 (AlCu4Mg)	T3 - T3510 - T3511		
6061 (AlMg1SiCu)	T6 - T6510 - T6511		
6082 (AlSi1MgMn)	T6 - T6510 - T6511		
7075 (AlZn5.5MgCu)	T6 - T6510 - T6511		

Aluminium's light weight, sleek appearance, and high conductivity make it an ideal choice for industrial tankers and silos. Seykoç supplies plates and structural components engineered for strength, durability, and excellent weldability.

Why Choose Seykoc?

- Over 20 years of industry expertise
- Fast delivery from extensive on-hand inventory
- In-house processing and precision machining
- Certified alloys for critical applications
- Exporting to 40+ countries worldwide

Alloy	Temper	Thickness	Dimensions
5083 / AlMg4,5Mn	H111 - H321	0.5 mm - 30 mm	1000 x 2000 mm 2000 x 6000 mm 2500 x 8000 mm
5454 / AlMg2,7Mn	H111 - H321		
5754 / AlMg3	H111 - H22		
5182 / Al Mg4,5Mn0,4	H111		

Perfect
Welding Ability

SEYKOC ALUMINIUM

The Leader Service Center of Turkiye

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