

Aluminium Alloy For Load Tanker - Haomei Aluminum Plate

The application of **aluminium plate for load tanker** can greatly reduce the weight of the tanker body, which contributes to the increase of driving speed and the decrease of fuel consumption, thus improving the economic profit.

At present, the traditional steel load tankers have been gradually replaced by aluminium alloy load tanker worldwide by considering its safety, environmental protection and economic value. In recent years, the aluminium alloy load tankers have become very common in Europe and America. The aluminium sheet for load tanks have features of light weight, excellent corrosion resistance and high reuse value, 95% of aluminum alloy can be reused.

Specification of Aluminum For Load Tanker:

Product Type		Thickness (mm)	Width(mm)	Length(mm)
Plate	Wide Plate	4-8	2200-2600	2000-12000
	Standard Plate	4-8	1500-2200	2000-12000
Coil	Wide Plate	4-8	2200-2600	-
	Standard Plate	4-8	1500-2200	-

Chemical Composition of Aluminium Alloy For Load Tanker:

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Standard
5083	0.40	0.40	0.10	0.40-1.0	4.0-4.9	0.05-0.25	0.25	0.15	EN573
5182	0.20	0.35	0.15	0.20-0.50	4.0-5.0	0.10	0.25	0.10	
5454	0.25	0.40	0.10	0.50-1.0	2.4-3.0	0.05-0.20	0.25	0.20	

Mechanical Properties of Aluminum Plate For Load Tanker:

Alloy	Temper	Yield Strength	Tensile Strength	Elongation	180°Min. Bend Radius	Standard
5083	O/H111	≥145	290-370	≥17	1.5t	EN14286
5083	H32	≥215	305-385	≥12	--	ASTM B209
5182	O/H111	≥125	280-350	≥26	t	EN14286
5454	O/H111	≥85	215-285	≥19	t	EN14286
5454	H32	≥180	250-305	≥12	--	ASTM B209

Advantages of Aluminium Plate For Load Tanker Truck:

- 1, It has a low center of gravity, so it is easy to brake and safer.
- 2, Since aluminum alloy is not combustible, it has lower static electricity accumulation and will not generate sparks in the case of accidents.
- 3, The effective load is increased by reducing the weight of the vehicle body, bringing quicker return on investment.



4, It has strong corrosion resistance. The life of the aluminum alloy load tanker can reach 15-20 years.

5, The load tankers made of aluminum alloy have relatively low maintenance cost and are easy to clean.

Application of Aluminum Sheet For Load Tanker:

Oil tanker

Fuel tanker

LNG storage tank

Semi Trailer

