

Ultra-wide aluminum plate

Ultra-wide aluminum plate product introduction

The international standard width of the aluminum plate is 1000mm, 1220mm, 1250mm, and we usually define the aluminum plate with a width of more than 1500mm as an ultra-wide aluminum plate. Mingtai Aluminum owns the fourth SMS 2800mm six-high cold rolling machine in China. The hot-rolled aluminum sheet produced is 0.3mm thin, and the finished product width can reach 2650mm. It is one of the few manufacturers in China that can produce ultra-wide aluminum sheets.

The ultra-wide aluminum plate produced by Mingtai Aluminum not only has a better product shape, a smoother and more delicate surface, a smaller thickness tolerance, and better deep drawing and oxidation effects. After testing, all indicators far exceed the national standard.

The ultra-wide aluminum panels produced by Mingtai Aluminum are widely used in wide curtain wall panels, automobiles, ships, busbars, silos, fuel tanks, antenna pot materials, LNG storage tanks, aluminum bottle caps, molds and other fields.

Typical products of ultra-wide aluminum plate

1. Ultra-wide aluminum plate for curtain wall (1100 aluminum plate, 3003 aluminum plate)
2. Ultra-wide aluminum plate for aluminum busbar (1100 aluminum plate, 1060 ultra-wide aluminum plate)
3. Ultra-wide aluminum plate for ships (5083 aluminum plate, 5086 aluminum plate)
4. Aluminum plate for tank car (5083,5454,5182)
5. LNG storage tank aluminum plate (5083 ultra-wide aluminum plate)
6. Aluminum alloy silo plate (5052 ultra-wide aluminum plate, 3003)
7. Bus roof plate(3003,5052,5083)
8. Aluminum plate for C82 coal truck (5083,5086)

9. Antenna pot material (3003 ultra-wide aluminum plate)

Technical Parameters

Alloy series	1xxx series	3xxx series	5xxx series	6xxx series	7xxx series	8xxx series
Alloy	1050 、 1060 、 1070 、 1100	3003 、 3004 、 3005 、 3104 、 3105	5052 、 5083 、 5182 、 5754 、 5454 、 5086	6061 、 6063 、 6082 、 6005	7075 、 7050	8011 、 8021 、 8079
Temper	O、 H*2、 H*4、 H18、 H111、 H112、 T4、 T6、 T651					
Thickness (mm)	0.2-100					
Width(mm)	80-2650					
Length(mm)	500-16000					

Wide aluminum sheet plate in different alloys

Take 5083 ultra-wide aluminum plate as an example, tanker aluminum plate, marine aluminum plate, and mold aluminum plate are the main fields of application. On a ship, it can be used as a material for parts such as the hull and the console. On the tanker, it can be used as the structural material of key parts such as the tanker body, tanker cover, and partition.

The 3003 ultra-wide aluminum plate is used in places such as shutters, lamp head materials, and roof panel connections. The 3003 ultra-wide aluminum plate is an anti-rust aluminum plate, which has good corrosion resistance and good weldability.

1060 ultra-wide aluminum plate has high plasticity, corrosion resistance, electrical conductivity and thermal conductivity, good elongation and tensile strength, which can fully meet the conventional processing requirements (stamping, stretching) and high formability. The 1060 ultra-wide aluminum plate is very popular in busbars and ultra-wide

curtain wall panels.