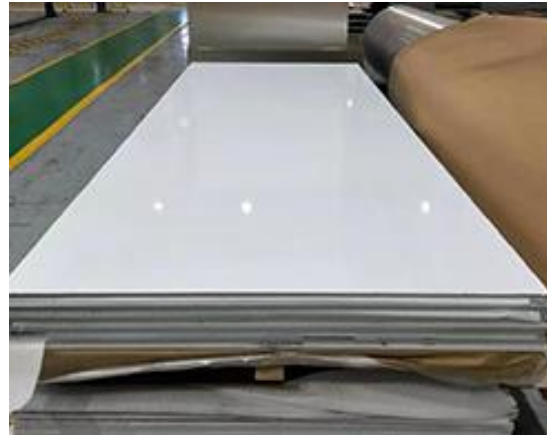


3003 Aluminum Sheet Plate

3003 Aluminum sheet plate belongs to AL-Mn series alloy, which is a kind of anti-rust aluminum widely used. The strength of 3003 aluminum plate is not high (slightly higher than industrial pure aluminum), and it cannot be strengthened by heat treatment. Therefore, cold working method is used to improve its mechanical properties: has high plasticity in the annealed state, good plasticity in semi-cold work hardening, low plasticity in cold work hardening, good corrosion resistance, good weldability, but poor machinability. Flait Aluminum provides 3003 ultra-wide and ultra-thick aluminum plate, eliminating internal stress, cutting without deformation, maximum width 2650mm, maximum thickness 500mm.



Product Specification

Alloy	3003 Aluminum Sheet Plate
Temper	O,H12,H14,H16,H18,H19,H22,H24,H26,H28,H112,etc.
Thickness(mm)	1.0-500
Width(mm)	20-2650
Length(mm)	500-16000
Surface treatment	Patterned aluminum sheets, embossed aluminum sheets, non-slip aluminum sheets, etc.
Package	Export packaging (protective film, interleaved paper)
Application	Stock silos, antenna pot materials, power battery shells, automotive



HENAN FLAIT ALUMINUM CO., LTD.

Flait Aluminum is committed to product R&D, production, sales and service.

Email:sales@flait-aluminum.com

Whatsapp/Mobile: 86 13203837398

heat shields, etc.

Chemical Composition

Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Zr	Others		Al
									Singl e	Tota l	
3003	0.6 0	0.7 0	0.05-0.2 0	1.0-1. 5	-	0.1 0	-	-	0.05	0.15	Remainde r

Mechanical Properties

Alloy & Temper	Tensile strength Rm/Mpa	Yield strength Rp0.2/Mpa	Elongation (%)	Hardness HBW α
3003-H24	148-185	115	4	45

Physical Properties

Alloy & Temper	Thermal expansion coefficient (20-100°C) $\mu\text{m/m}\cdot\text{k}$	Melting point range (°C)	Conductivity 20°C(68°F) (%IACS)	Resistivity 20 (68°F) $\Omega\text{mm}^2/\text{m}$	Density (20°C) (g/cm ³)
3003-H24	23.2	643-654	41	0.042	2.75

Features





HENAN FLAIT ALUMINUM CO., LTD.

Flait Aluminum is committed to product R&D, production, sales and service.

Email:sales@flait-aluminum.com

Whatsapp/Mobile: 86 13203837398

1. 3003 aluminum plate has medium strength, excellent anti-rust properties, good corrosion resistance, wide application and wide application field.
2. 3003 aluminum plate has good forming and processing characteristics, good weldability and electrical conductivity, higher strength than 1100 aluminum plate.
3. The surface quality of 3003 aluminum plate is good, no oil spots, waves, scratches, roll marks, neat trimming, no burrs.

Application

1. **Battery shell:** new energy vehicle power battery shell, top plate, separator, which can be stamped into a square or round battery shell.
2. **Water cooling plate:** 3003 aluminum plate can be used for brazing core material, 3003*4343/3003*4045 aluminum plate for new energy vehicle power battery brazing water cooling plate or condensation/radiation equipment.
3. **Pipe insulation:** 3003 aluminum coils can be used for pipe insulation materials. It is mostly used in chemical factories, and its anti-rust function is better than that of 1 series aluminum coils.
4. **3003 aluminum foil:** aluminum foil for honeycomb core, aluminum foil for lunch box, aluminum foil for container.
5. 3003 aluminum plates are also commonly used in ships, vehicle materials, automobile and aircraft plate weldments, pressure vessels that require strict fire protection, refrigeration devices, TV towers, drilling equipment, transportation equipment, bus skins, wide curtain wall panels, wide roof panels, etc.

The above mentioned aluminum product is produced according to national standard specifications. Please contact us for a free quote!

-----THIS IS THE END-----

