



ALUMINUM PRODUCTS SERIES



Advanced Metal Technology Co., Limited

CONTENT

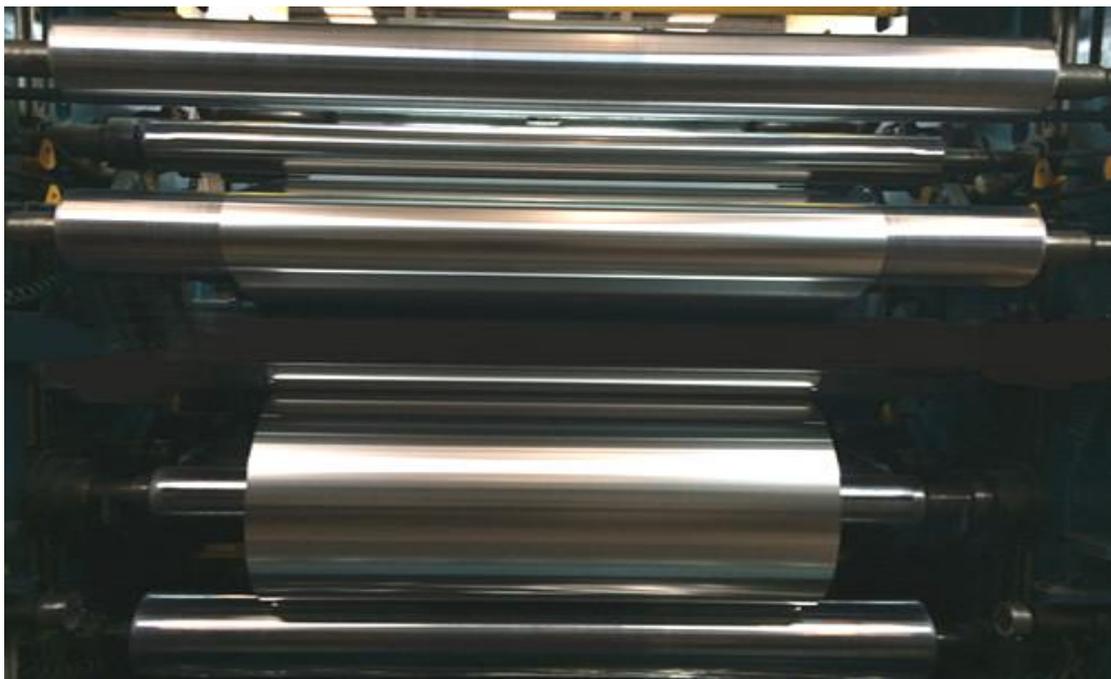
INTRODUCTION.....	3
ALUMINUM SHEET / PLATE.....	3
1000 Series 1050 1060 1070 1100.....	6
5000 Series 5050 5054 5083 5454.....	7
6000 Series 6010 6011 6061 6062 6063.....	8
7000 Series 7005 7A04 7A09 7050 7075.....	9
Aluminum Composite Sheet.....	10
Roof Ceiling.....	12
Air Plane Plate.....	14
Aluminum Automotive Sheet.....	16
Aluminum Mirror Sheet.....	18
Marine Aluminum Sheet.....	21
Aluminum Plate.....	23
Aluminum Coil.....	26
ALUMINIUM FOIL.....	27
1/3/8xxx Series Double Zero Foil.....	27
Food Grade Aluminium Foil Packaging , 8011 8006 Aluminum Foil Jumbo Roll.....	29
Household Foil.....	32
1000 Series 1050 1060 1070 1100 1235 1145.....	36
8000 Series 8011, 8021, 8079 Aluminum Foil.....	37
Aluminum Container Foil	39
Bare Fin Stock.....	40
Cable Wrap Foil.....	41
Honeycomb Foil.....	42
Lid Foil.....	44
Flexible Packaging Foil.....	45
Aluminum Foil Strip	46
Hair Dressing Foil.....	48
Aluminum Foil Tape.....	51
Beer Label Foil.....	53
Tobacco Packaging Foil.....	55
Pharmaceutical Foil.....	56
Industrial Foil.....	57
Aluminum Foil Container.....	58
ALUMINUM TREAD PLATE.....	60
ALUMINIUM ROOFING SHEET.....	61
HOLLOW ALUMINUM TUBE.....	62
CONTACT.....	63

INTRODUCTION

Advanced Metal Technology Co., Limited ("AMT") was established in 2003. For more than 15 years, AMT has been recognized as a trusted partner and innovative aluminium producer and supplier, with a broad portfolio of quality aluminum products for the packaging, electronics, automotive and transport, building and construction, shipbuilding, automotive, energy, industrial, HVAC and Solar markets.

After more than ten years of unremitting efforts, AMT has established a good image and reputation in the market. Our products include aluminum sheet, plate, foil, profile, roofing sheet and tube, etc. Exported to Europe, the United States, the Middle East, Africa, Southeast Asia and other regions, overseas customers are mainly concentrated in the United States, Britain, Spain, Dubai, India, Brazil and other countries.

AMT will continue to follow the motto that customer comes first, and continue to provide reliable and competitive solutions to meet different demands of global customers.



ALUMINUM SHEET / PLATE

Description of aluminum sheet:

Aluminum sheet is so versatile that it can be used in many areas, such as aviation, marine, transportation, printing, and consumer goods.

Specification of aluminum sheet / plate / coil

1. Thickness:

Aluminum sheet 0.2mm - 6mm, aluminum plate 6mm - 260mm

2. Width:

Aluminum sheet 200mm - 2600mm, aluminum plate 600mm - 4300mm

3. Length:

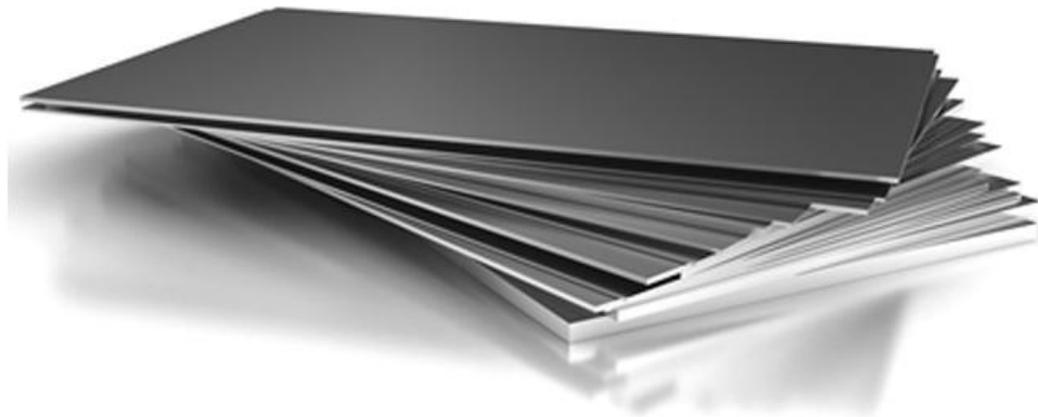
Aluminum sheet 500mm - 12000mm, Aluminum plate 1000mm - 38000mm

4. Available alloy:

1000 series, 2000 series, 3000 series, 5000 series, 6000 series, 7000 series, 8000 series

Applications:

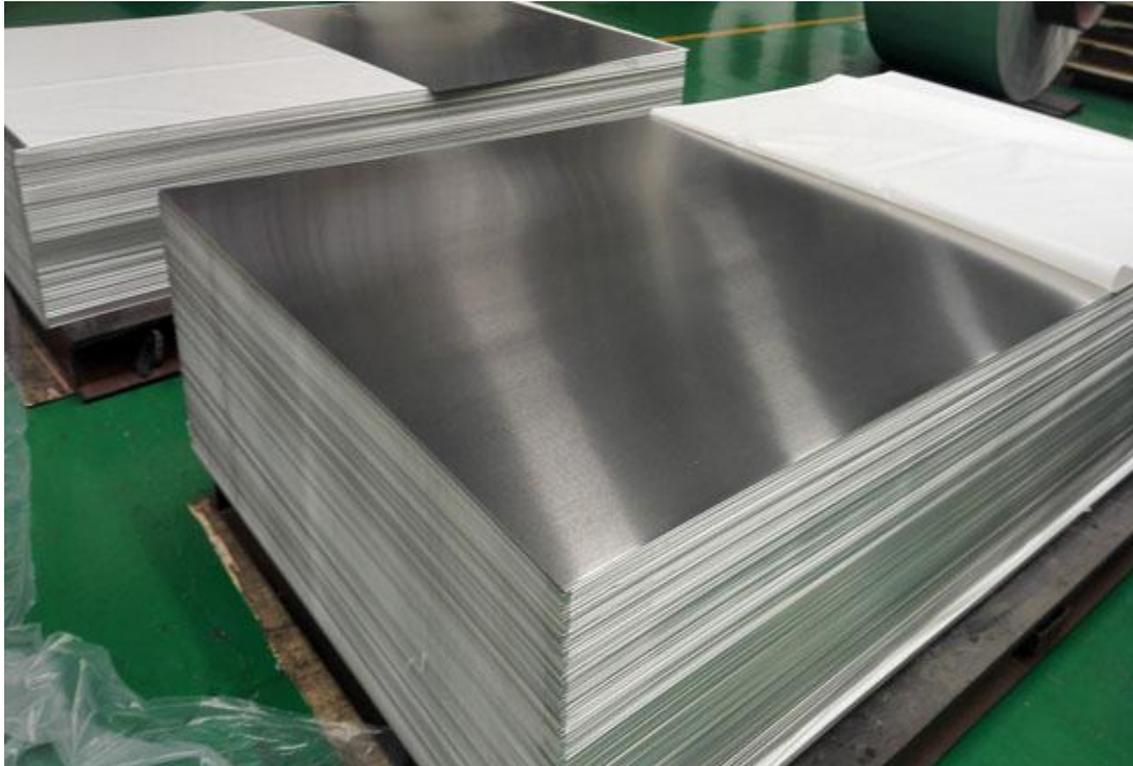
1. Lighting, and lamp.
2. Reflector plate of solar energy.
3. Exterior and interior decoration of construction and elevators, such as facades, ceiling roof, curtain wall.
4. Signs, nameplate.
5. Household appliances, microwave oven and refrigerators.
6. Consumer Electronics, mobile phones, music players.



Description of aluminum alloy 1000 / 3000 / 5000 / 6000

Division	Description	Applications	Features
1000 Series	<p>1.1 xxx series aluminum sheets, known as pure aluminum.</p> <p>2. 1 xxx series contain 99.00% aluminum or above.</p> <p>3. Alloy 1050, 1060, 1070, 1090, 1100, 1235, these are common alloys in 1000 series.</p>	<p>Science experiments, chemical industries, and other special industries...</p>	<p>Good conductivity, resistance to corrosion, easy to be welded, high strength and durability.</p>
3000 Series	<p>1. Alloy 3003, 3004, 3005, 3A21 are the representatives among alloy group 3000 series.</p> <p>2. It includes Aluminum, main element Manganese (Mn), and others.</p> <p>3. The production process of the 3xxx series aluminum sheet is more outstanding.</p>	<p>Parts of airplane, utensil, aluminum beverage cans, material of interior and exterior decoration of building...</p>	<p>Higher strength, higher antirust, easily welded and brazed, non-heat treatable.</p>
5000 Series	<p>1. Alloy 5052 5005 5083,5754 are seen commonly in this series.</p> <p>2. And 5000 series are the most widely used alloys.</p> <p>3. Magnesium (3% - 5%) is another main elements in this series.</p>	<p>Ship board, decoration material of building, parts of electronic tools...</p>	<p>Excellent corrosion resistance, superior hardness & heatproof, low density.</p>
6000 Series	<p>1. Alloy 6061 and 6063 are extensively used.</p> <p>2. They contain both magnesium and silicon element., and combine the advantages of 4000 series and 5000 series.</p>	<p>IT equipment & facility, transportation...</p>	<p>High corrosion resistance, easy to be deformed to shape, superior surface treatment, easy to be anodized and colored.</p>

1000 Series 1050 1060 1070 1100



Details

Alloy	Temper	Thickness	Width (mm)	Length (mm)	Application
1050 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26, H28,H32,H34,H36,H38	0.2-4.5	100-2600	500-16000	PS board base, signs, lamps, nameplates, industrial radiators, heat exchangers, interior decoration, doors and Windows decoration
1060 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26, H28,H32,H34,H36,H38	0.2-4.5	100-2600	500-16000	Aluminum plastic plate, lamp material, capacitor shell, decorative aluminum, road sign, lighting decoration, building exterior wall
1070 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26, H28,H32,H34,H36,H38	0.2-4.5	100-2600	500-16000	Electronic pipe isolation net, wire, airplane ventilation system parts, medical aluminum foil gaskets, electrolytic capacitors, electronic product shells
1100 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26, H28,H32,H34,H36,H38	0.2-4.5	100-2600	500-16000	Cooking utensils, building materials, heat exchangers, medical bottle caps, cosmetic bottle caps, bottle caps, decorative plates

5000 Series 5050 5054 5083 5454

Alloy	Temper	Thickness	Width	Length	Application
5754 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Bus,(inner and outer wall, floor, carriage board, etc)Doors and Windows decoration, shipbuilding, blinds, alloy castings
5A05 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Ship traffic vehicle sheet metal parts, fuel tank, flange plate, automobile fuel tank, tank body, tank car, electronic components
5A06 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Vehicles instrumentation shell car interior decoration auto parts,Aircraft skin bone parts, aircraft welding parts, etc.,
5005 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Cookware, instrument case, building decoration, high-end curtain wall panel, decorative aluminum, lighting decoration, interior decoration, instrument case
5052 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Aluminum plate for oxidation, Marine sheet metal parts, chemical oil storage devices, automobile fuel tank, instrument case, hardware accessories, transportation vehicles
5083 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	The outboard side of a ship, Deck,Aircraft plate welding parts The tank car,Oxygen generator tower body, etc
5086 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Aircraft board weldable parts; Refrigeration equipment, TV tower, installation and detection equipment, transportation equipment, etc
5182 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Car body plate, control panel, reinforcing parts, aircraft fuel tank, electrical shell, car cover, car interior decoration, instrument case
5454 aluminum sheet/plate	O,H12,H14,H16,H18,H19, H22,H24,H26,H28,H32,H3 4,H36,H38,H111,H112,H1 14,H116,H321	0.15-600	20-2600	500-16000	Pressure vessels, Marine facilities pipelines, car wheels, tank car cylinder body, etc

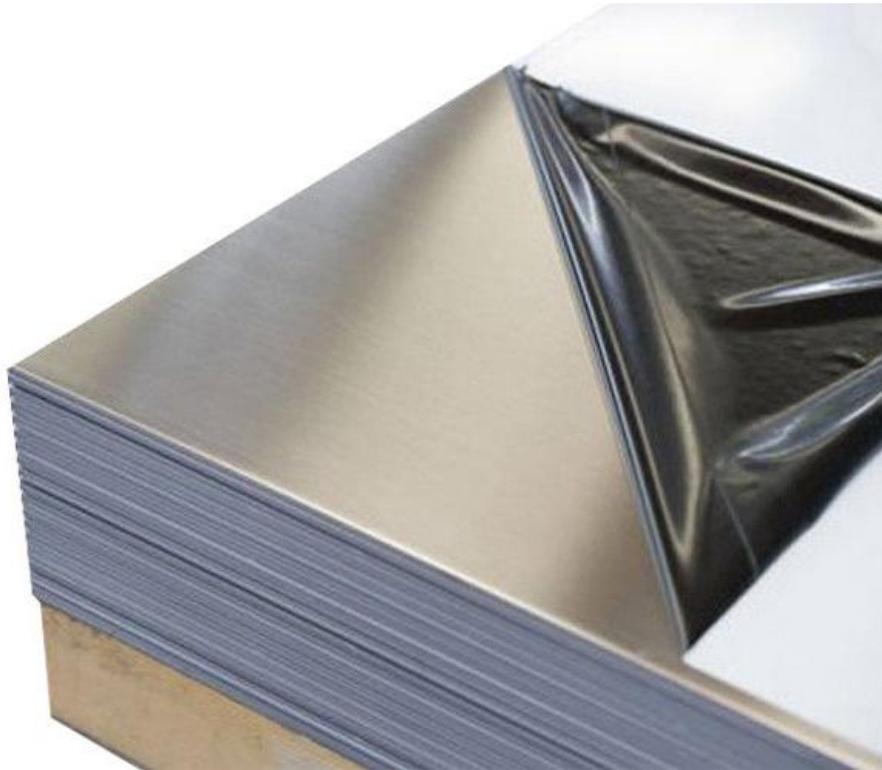
6000 Series 6010 6011 6061 6062 6063



Details

Alloy	Temper	Thickness	Width (mm)	Length (mm)	Application
6005 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26,H28 ,H32,H34,H36,H38 O, T4, T6, T651	0.3-600	500-2600	500-16000	Aircraft fuel tank/oil pipe, vehicle/ship sheet metal parts, etc
6061 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26,H28 ,H32,H34,H36,H38 O, T4, T6, T651	0.3-600	500-2600	500-16000	Cell phone case, cell phone middle board, slot, aerospace,automobile, Mechanical molds, precision molds, traffic vehicles, cell phone slot
6063 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26,H28 ,H32,H34,H36,H38 O, T4, T6, T651	0.3-600	500-2600	500-16000	Commercial vehicle floor, roof frame, truck hub, Aircraft structural parts, automotive fuel tank, industrial radiator, printing plate
6082 aluminum sheet/plate	O,H12,H14,H16 H18,H19,H22,H24,H26,H28 ,H32,H34,H36,H38 O, T4, T6, T651	0.3-600	500-2600	500-16000	Aircraft parts, camera lenses, industrial molds, truck wheels, hardware accessories, air conditioning pipes, automotive aluminum

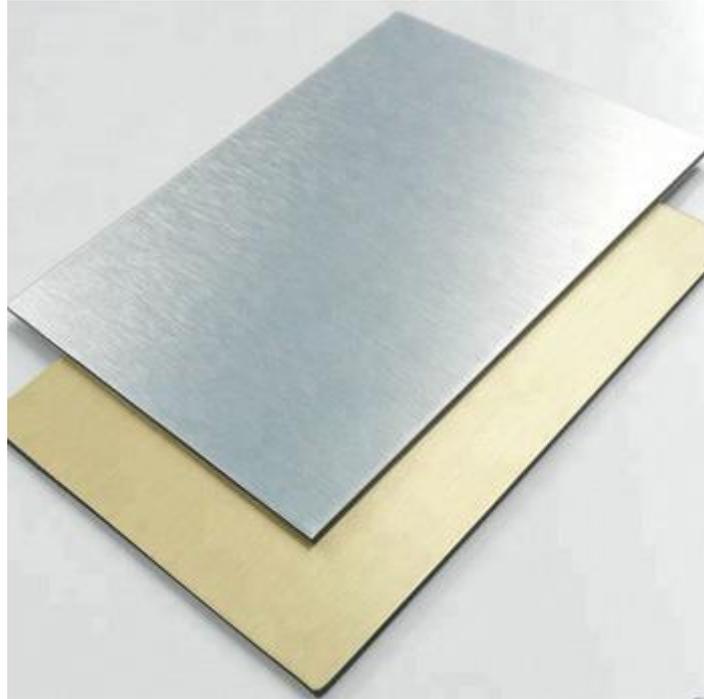
7000 Series 7005 7A04 7A09 7050 7075



Details

Alloy	Temper	Thickness	Width (mm)	Length (mm)	Application
7005 aluminum sheet/plate	O、T6、T651、T7451	0.2-300	<1500	<8000	Aircraft truss, large heat exchangers, tennis rackets and softball bats, fixtures, etc
7A04 aluminum sheet/plate	T6、 T651	0.2-300	<1500	<8000	Aircraft bulkheads, front girders, struts, landing gear, etc
7A09 aluminum sheet/plate	T6、 T651	0.2-300	<1500	<8000	Aircraft bulkheads, front girders, struts, landing gear, Alloy castings, beauty equipment, notebook case
7050 aluminum sheet/plate	O、T6、T651、T7451	0.2-300	<1500	<8000	Golfer ball head, mould, aircraft landing gear, etc
7075 aluminum sheet/plate	O、 T6、 T651	0.2-300	<1500	<8000	Aircraft structural parts, mechanical molds, alloy castings, boxes

Aluminum Composite Sheet



Details

0.6 mm - 10 mm Colored Aluminum Alloy Sheet for Curtain Wall

1. Thickness:

Aluminum sheet 0.2mm - 10mm

2. Width:

Aluminum sheet 200mm - 2650mm

3. Length:

Aluminum sheet 500mm - 12000mm

4. Available alloy:

1000 series, 2000 series, 3000 series, 5000 series, 6000 series, 7000 series, 8000 series

5. Available temper:

O / H / T

Description of alloy:

1000 series Aluminum - 99.00% min aluminum included

2000 series Aluminum + Copper(Cu)

3000 series Aluminum + Manganese(Mn)

4000 series Aluminum + Silicon(Si)

5000 series Aluminum + Magnesium(Mg)

6000 series Aluminum + Magnesium(Mg) + Silicon(Si)

7000 series Aluminum + Zinc(Zn)

8000 series Aluminum + Others

Description of temper:

F – As fabricated – Products which have no special control over final temper.

O – Annealed

H – Strain-hardened – where increased strength is obtained by cold work.

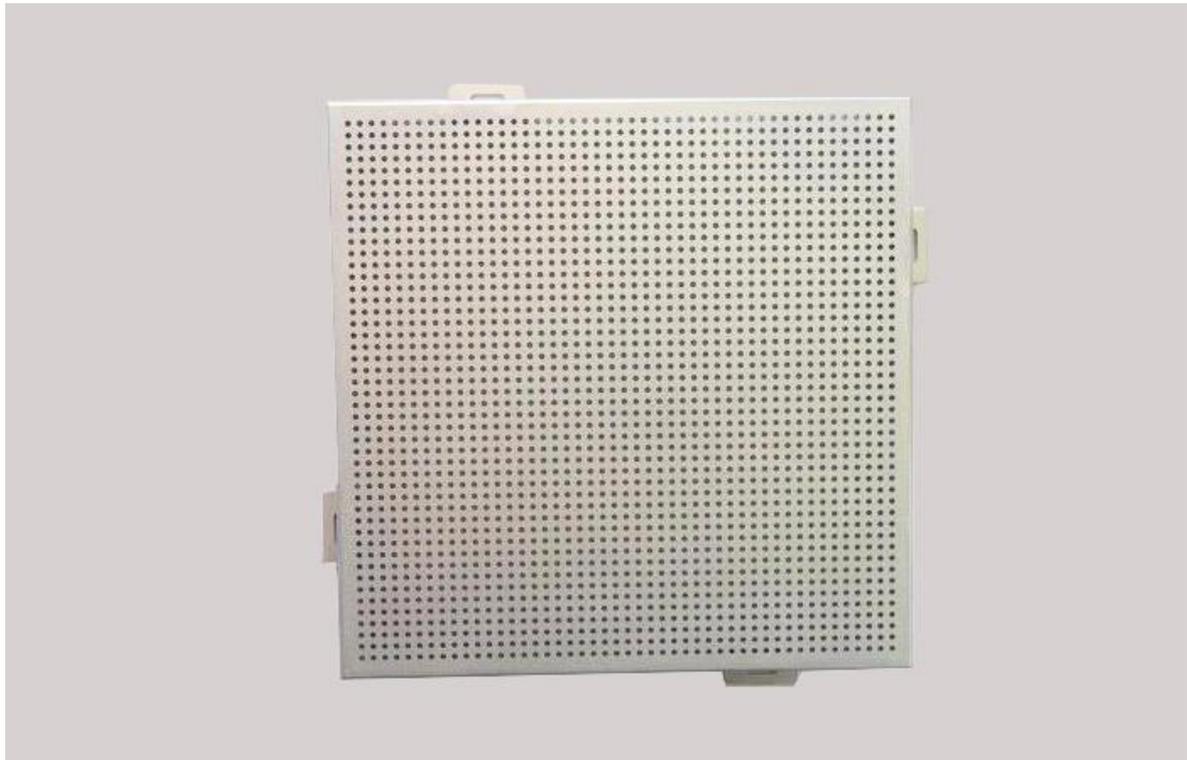
T – Thermally treated to produce stable tempers other than “F”, “O” or “H”.

W – Solution heat treated resulting in an unstable temper.

Why Aluminium Composite Panels?

1. Cost effective – Aluminium composite panels are cost effective with low installation costs.
2. Easy Installation – With a wide range of fixing options, exceptional formability and lightweight materials Aluminium Composite Panels are a breeze to install.
3. Low maintenance – Thanks to the single sheet finishes available the composite panels are easy to maintain, dirt and dust resistant and retain their sheen and color for years even with constant exposure to direct sunlight.
4. Robust durability & Lightweight – Aluminium Composite Panels are much lighter, compared with steel panels.
5. Unlimited color range available – An unlimited color range and color matching are offered so that you can match your project image or company branding exactly.
6. 20 Year warranty available! – Our products come with a 20-year warranty subject to installation and maintenance guidelines being met.
7. Range of Finishes – Our aluminium composite panels are also available in a range of specialty finishes.
8. Versatility and formability – Unlike high pressure laminates aluminium composite panels can be fabricated extensively. This allows you to create clean and stylized finishes to any building. Our panel structure means that you can mould, cut and shape material without damaging the strength or integrity of the product. You can continue facades round corners or over edges without the need of additional, expensive, profiles.

Roof Ceiling



2mm Thickness Perforated Aluminum Panel , Building Punched Aluminum Sheet
 Specifications of perforated aluminum sheet alloy 2mm thickness:

Raw material	Alloy aluminum 1/3/5/8xxx series
Item temper	O H
Hole shape	Specially customized
Thickness	2mm or specially designed
Width and length	Customized
Sample	Available
Usages	Wall cladding, partitioning, ornamentals, lighting equipment, exterior panels, fixtures, chairs, tables, ceilings, machinery covers, ornamental covers, speaker grills, storage, radiator grills, stove grills, protecting covers etc.

FAQ:

1. How to order product?

Pls offer the below information for us to know your requirement quickly.

Sketch or shop-drawing with sizes and parameters.
Surface finish--powder coating, polyester, PVDF, wood grain and etc.
Samples need or not

2. What's your leading time?

10 days for 1000 square meters. According to quantity.

3. What's your available size and thickness?

Regular thickness of aluminum perforated sheet in reserve--1.0, 2.0, 2.5, 3.0, 4.0mm.

Normally for indoor decoration size (partition, screen, ceiling, wall cladding, art and etc.)--1.0, 1.5, 2.0mm

outdoor Decoration (cladding wall, balcony guardrails, shaped shutter, fence, gate and etc.)--2.5-4.0mm

Regular sizes of aluminum panel materials:

Standard size	220x2440mm
Width range	900~1500mm
Length range	1800~4000mm
Remark	It is flexible enough to customize any shapes according to the drawing.

Complete steps:

Step 1.



Aluminum coil--Aluminum sheet



Step 2.



Punching

Step 3. Do cleaning work



Step 4. Packing



Air Plane Plate

Antirust Aircraft Aluminum Sheet 5052 5xxx Series For Airplane Accessories

Alloys applied to aircraft products:

1. High intensity 2xxx series (2024, 2017, 2A12 and etc.)
2. 7xxx series (7075, 7475, 7050, 7A04 and etc.)
3. Alloy of 5xxx series (5A06, 5052, 5083, 5086 and etc.)
4. 6xxx series for example: 6061, 6082 and so on.
5. Other alloy series also have some application.

Product specifications:

Aluminum grade	2xxx, 5xxx, 6xxx, 7xxx series available
Temper	O H T T6, T73, T651, T7351 and etc.
Length	1000-3660mm or customized
Width	1000-1536mm or customized
Thickness	3-300mm or customized
Surface	Degreased, anodized, mill finish, laminating, etc
Application	Aerospace, marine, automotive, railway transportation, oil and chemical industries etc.

Specifications of 5xxx series alloy applied on the aerospace:

Grade	Alloy	Temper	Parts of application
5xxx	5052	O, H24, H32, H34, H112	Aircraft spoiler core, forging blank structural parts of forging blank, fuel tank.
	5068	O, H12, H24, H32, H34, H112	
	5A06	H112	

Grade	Alloy	Application	Features
5xxx series	5083	Ship board	Excellent corrosion resistance and weld ability together with Easy to process and
	5052	heatproof apparatus, material for interior and exterior of building, aircraft material	Weld and superior hardness & heatproof
	5754	Parts of Electronic tools	Can be anodized for increased corrosion
	5A05	Automobile Components	Resistance

Alloy 5000 series is the typical alloy of anti-rust aluminum of Al-Mg alloy. The outstanding characteristics of it is the excellent welding ability and anti-corrosion performance. The processability and low temperature properties combines well, which exploits great market for itself.

Why Choose Us

1. Over 15 years' experience in the aluminum field.
2. Comprehensive knowledge of the aluminum industry.
3. A comprehensive aluminum solution tailored to fit your unique needs
4. Good reputation within the aluminum sector, vendors, and Government Institutions.
5. Qualified and bilingual personnel.
6. Regular, reliable, excellent customer service

Automotive Vehicles Aluminum Sheet

Description of aluminium sheet used in automotive:

Aluminum is a perfect metal material used in automobile industries due to its multiple advantages, light weight to save fuel energy, reduce emissions, and increase performance on acceleration and braking, and on other hand, it can be repeatedly used by recycling 90% waste aluminum.

We have to say aluminum is so versatile that should be further developed and used.

We all know that the history of aluminum in China is not so long as America, but we grow up rapidly. And we are still exploring the properties and applications in automotive industries, we believe this is a auspicious beginning.

Applications of aluminum sheet in automobile:

	Alloy designation	Use in automobiles
1000 series	1050, 1100, 1200	Heat insulators, license plates
2000 series	2014, 2017, 2219	Brake component, pistons, compressor wheels, conrods, shock absorbers, motobike handles, spokes,
3000 series	3003, 3004	Piping and cowl grilles, heat insulators
5000 series	5083, 5182, 5154, 5022, 5023, 5110A, 5056	Tanks, gas cyclinder, lashing rails, dust covers, wheel, suspension, trims, seat buckets, reflective panels, meter display panels, air bag inflators
6000 series	6061, 6013, 6063, 6005C	Seatbelt hinges, retractors, seat sliders, crossmembers, joists, brake pedals, propeller shafts, roof railing, bumpers.
7000 series	7003, 7046, 7075, 7204	Seatbelt hinges, retractors, seat sliders, crossmembers, brake pedals.

Aluminum Automotive Sheet

Description of aluminum sheet in automotive industry:

The use of aluminium in automotive and transport continues to grow with the further urbanization, and development in economies. Aluminium is replacing steel as an alternative in automotive manufacturing.

Its lightweight and corrosion resistance make aluminium popular in the metal market.

FAQ:

1. What kind of aluminum alloys can be used for automotive industries?

5182, 5754, 6005, 6060, 6063, 6082, 6014, 6016, 6111, 6181, 6260, 6451 are extensively used for parts of automotives.

2. Why aluminum sheet can be used for automotive industries?

Aluminum's ability to reduce weight can decrease fuel assumption so that improve the performance.

Aluminum's weldability and corrosion resistance enhance it's position in the industry of automitive.

Applications:

1. Structures of automotive body. Alloy 5182, 5754, 6181 aluminum sheets are widely used for structural sheets, alloy 6181, 6451 aluminum sheets are used for roof frame.

2. Heat exchangers, brake systems.

3. Cooling and exhaust systems.

4. Interior ornaments. Most of interior ornaments use aluminum alloy as the ideal material.

5. The body of caravan, trailer, road tanker, tipper truck and so on because of it's light - weight property.

Aluminum Mirror Sheet

Details

PE PVDF color coated aluminum polished sheet silver for decorative application

Description about polished aluminum sheet (for reference):

1. Temper	O H
2. Length	200mm-16000mm
3. Width	100mm-2650mm
4. Thickness	≥ 0.1mm or customized
5. Coated thickness	PE: ≥18 micron, PVDF: ≥25 micron
6. Surface treatment	PE or PVDF color coated
7. Surface treatment	Silver, golden, brass, red, black, tawny, blue, purple, etc.
8. Material	Aluminum alloy 1/ 3/ 5/ 6/ 7xxx series
9. Polished side	Single side
10. Reflective rate (available)	86%, 95%, 98%

What's PE and PVDF coating?

PVDF color coated is well known that fluorocarbon lacquer coating (PVDF coating) owes the best acid resistant/ alkali and temperature tolerant capabilities of all painting materials. Being the best quality of pre coated aluminum, PVDF coated aluminum sheet are suitable for outdoor roofing, walls and ceiling manufacturing.

Polyester (PE) color pre coated aluminum sheet, using high-grade polyester lacquer coating material, the finished coated sheet are with delicate color uniform texture, color and diverse. It is the most popular and most common used materials in decorative usage. It also has high grade anti-acid ability. The color coated mirror brown, black and mirror gold color polished aluminum sheet are widely applied with its high weather-proof, acid-proof, fine and smooth surface and colorful lusture and reflective mirror face.

Packaging:

1. Interlayer paper between two sheets
2. Seaworthy wooden cases
3. Iron belt for consolidation
4. Customized packing according to your requirement is also available.

Application:

1. Ceiling and wall decoration
2. Building
3. Ceiling
4. Curtain wall
5. Panels
6. Transformers
7. Food packaging
8. Air Conditioners
9. Refrigerators
10. Condensers
11. Air Filter
12. Washing machines
13. Solar energy
14. Ship manufacturing
15. Machinery manufacturing
16. Electric equipment

Division	Description	Characteristics
1000 series	<ol style="list-style-type: none"> 1. 1 xxx series refers to pure aluminum, which contains 99.00% aluminum or above. 2. Common alloys in 1000 series: alloy 1050, 1060, 1070, 1090, 1100, 1235. 	Good conductivity, corrosion resistance, weldable, high strength and well durability.
3000 series	<ol style="list-style-type: none"> 1. Common alloy in 3000 series: 3003, 3004, 3005. 2. Known as Aluminum - Manganese alloy, the main elements of 3000 series are Al and Mn. 	High rust proof, welded easily and non-heat treatment.
5000 series	<ol style="list-style-type: none"> 1. Common alloy in 5000 series: 5052, 5005, 5083, 5A05. 2. Known as aluminum magnesium alloy. 	Low density, high tensile strength and high elongation, light, non-heat treatment

Key points to choose aluminum alloy?

Different aluminum alloy has different features and applications. We supply various grades of aluminum alloy and any grade is available, not only limited to the grade listed above. You can choose aluminum alloy according to grade and temper, the two main parameters.

Temper:

F-- processing state

H--strain hardening state

O--complete annealing (soft)

T--heat treatment stable

Characteristics of aluminum alloy:

1. 1xxx series: more than 99% commercial-purity aluminium

Characteristics---high conductivity, corrosion resistance and good welding performance but low intensity.

2. 2xxx series: alloy of Al and Cu

Characteristic---high intensity, favorable heat resistance and processing performance.

3. 3xxx series: alloy of Al and Mn

Characteristics--good corrosion resistance, welding performance and high plasticity .

4. 4xxx series: alloy of Al and Si

Characteristics--good abrasion ability and high temperature resistance.

5. 5xxx series: alloy Al and Mg

Characteristics--good corrosion resistance, welding performance and can only raise the intensity through cold rolling.

6. 6xxx series: alloy of Al, Mg and Si

Characteristics--good corrosion resistance and welding performance.

7. 7xxx series: alloy of Al and Zn

Characteristics--super high intensity brings well tenacity to alloy and it's easy for processing.

8. 8xxx series: alloy in reserve

Characteristics--high plasticity and deep drawability.

Marine Aluminum Sheet

Details

T651 6061 Marine Aluminum Sheet Excellent Strength Property For Ship Building
Parameters about marine aluminum sheet:

1. Temper:	T651
2. Length	200mm-12000mm
3. Width	9mm-2600mm
4. Thickness	0.15mm-500mm
5. Surface treatment	Mill finish
6. Material	Aluminum alloy 6061

Features of 6061 T651 aluminum sheet:

1. Strength

Moderately high levels of strength are obtained through heat treating to the T651 condition, giving higher strength levels than 5XXX series alloys.

2. Machinability

Alloy 6061 aluminium plate in the T651 condition are easy to machine.

3. Forming

Alloy 6061 aluminium plate alloys can be cold formed in the T651.

4. Corrosion resistance

6061 aluminium plate, in the T651 have good corrosion resistance. 6XXX aluminium plate alloys do not suffer degradation in corrosion resistance after exposure to elevated temperatures.

5. Welding

6061 aluminium plate alloys are readily weldable by processes provided that a suitable filler material is used. Welding reduces the tensile strength to 165-200 MPa in the heat affected area. In special circumstances, a post weld heat treatment can be applied to restore some of the lost strength in this area.

Other marine grade aluminum alloys that we can supply and chemical composition:

Chemical composition						
Alloy (%)	5052	5083	5086	5754	6061	7075
Si	0.25	0.40	0.40	0.40	0.40_ 0.80	0.40
Fe	0.40	0.40	0.50	0.40	0.70	0.50
Cu	0.10	0.10	0.10	0.10	0.15_ 0.40	1.2_ 2.0
Mn	0.10	0.40_ 1.0	0.20_ 0.7	0.50	0.15	0.30
Mg	2.2_ 2.8	4.0_ 4.9	3.5_ 4.5	2.6_ 3.6	0.8_ 1.2	2.1_ 2.9
Cr	0.15_ 0.35	0.05_ 0.25	0.05_ 0.25	0.30	0.04_ 0.35	0.18_ 0.28
Ni	_	_	_	_	_	_
Zn	0.10	0.25	0.25	0.20	0.25	5.1_ 6.1
Ti	_	0.15	0.15	0.15	0.15	0.20
Each (Others)	0.05	0.05	0.05	0.05	0.05	0.05
Total (Others)	0.15	0.10	0.10	0.15	0.15	0.15
Al	Remaining	Remaining	Remaining	Remaining	Remaining	Remaining

Packing:

- 1) Standard seaworthy export packaging. Wooden pallets with plastics protection for the coil and sheet.
- 2) The packaging can be eye to sky or eye to wall based on the customer's requirement
- 3) 16-20 MT can be located into 20FCL, the sea freight rate is much cheaper than 40FCL.

Delivery Time:

20-35 days after receiving LC or deposit 30% or according to the quantity.

Aluminum Plate

Description:

Aluminum alloy 6061 T6 8mm thickness polished aluminum plate:

1. Thickness: above 8mm
2. Length: 2440/2500mm
3. Width: 1220/1250mm
4. Temper: T6
5. Alloy: 6061

Other aluminum sheet/plate that we supply:

1. Thickness:

Aluminum sheet 0.381mm - 0.81mm, aluminum plate 6mm - 260mm

2. Width:

Aluminum sheet 914.4mm - 1524mm, aluminum plate 600mm - 4300mm

3. Length:

Aluminum sheet 2438mm - 3657mm, Aluminum plate 1000mm - 38000mm

4. Available alloy:

1000 series, 2000 series, 3000 series, 5000 series, 6000 series, 7000 series, 8000 series

5. Available temper:

O / H / T

Description of alloy:

1000 series Aluminum - 99.00% min aluminum included

2000 series Aluminum + Copper(Cu)

3000 series Aluminum + Manganese(Mn)

4000 series Aluminum + Silicon(Si) 5000 series Aluminum + Magnesium(Mg)

6000 series Aluminum + Magnesium(Mg) + (Si)

7000 series Aluminum + Zinc(Zn)

8000 series Aluminum + Others

Description of temper:

F – As fabricated – Products which have no special control over final temper.

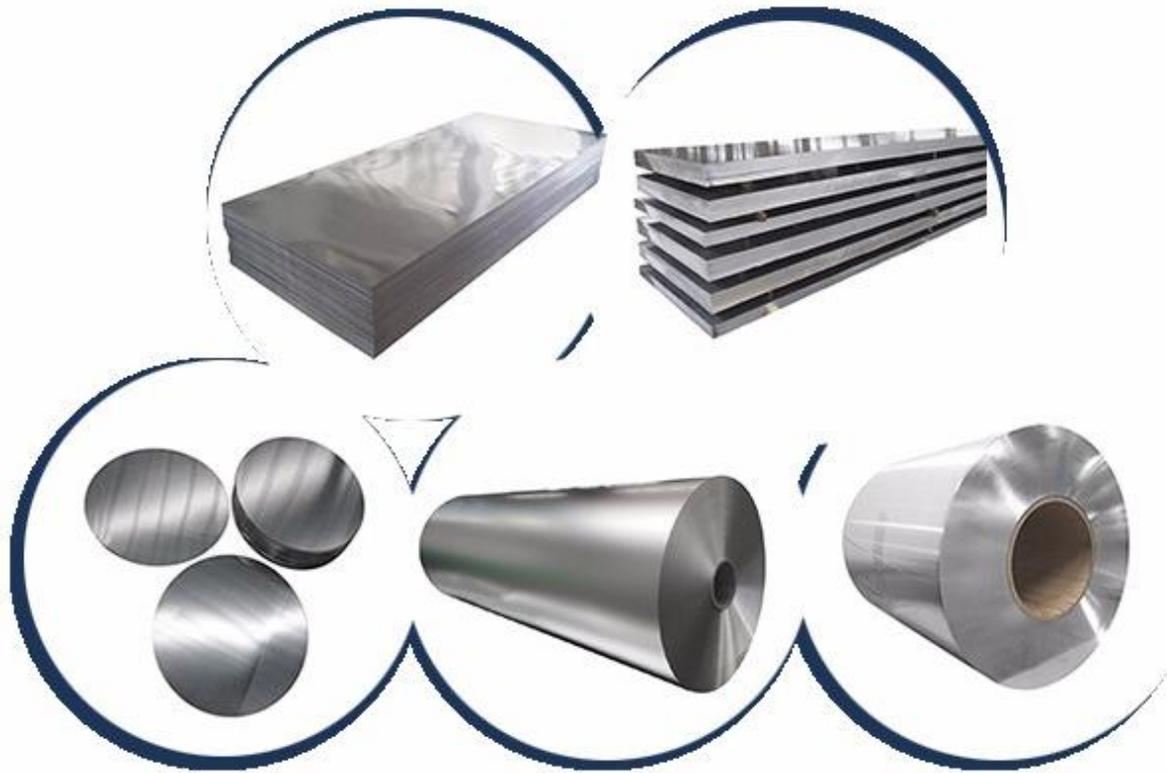
O – Annealed

H – Strain-hardened – where increased strength is obtained by cold work.

T – Thermally treated to produce stable tempers other than “F”, “O” or “H”.

W – Solution heat treated resulting in an unstable temper.

Related Products



Application

Aluminium Sheet, the most widely used form of aluminum, is found in all of the aluminum industry's major markets.

Aluminum alloy can be tempered to get hardness. Aluminum alloy also can be color-anodized other colors. It can be etched to a matte finish, polished to a sparkling brightness or coated to resemble wood and painted. Aluminium alloy can be laminated with other materials, such as paper, plastic, other metals to achieve super advantages. Aluminum has penetrative into your every corner of your life. We believe that aluminium has unlimited potential and the use of aluminum in a wide variety of applications continues to grow.

Aircraft

Aluminum Sheet, such as 7075 and 2014 can be used in aerospace applications. Aluminium sheet is used as aircraft cover, wing, tail, interior decoration of private aircraft, fuel tank and so on.

Automotive & Transportation

Aluminium is used extensively in the transport industry due to its high strength to weight ratio and its excellent impact absorption qualities. From brakes to ignition, transmission to suspension, cooling and exhaust systems to windows and structures, ornaments to accessories, automobile heat exchangers and registration plates, aluminum is the ideal material for making the most precise automobile components.

Industrial Application

Aluminium is used in industrial machinery for its non-pyrophobic properties, its resistance to corrosion and high strength to weight ratio. Aluminium alloys are also widely used in the manufacture of machines as the parts of machine. Curved aluminium sheet printing plates are used in printing technology. Textured aluminum sheet is used for anti-slippery stairs, tool boxes, and so on.

Building and Construction

Aluminium products are ideal for a multitude of building and construction applications. Made of virgin aluminium, our products have a superior surface finish and meet all stringent quality standards. Aluminium allows a high degree of pre-fabrication, with a variety of finishes. Aluminium's formability, high strength-to-weight ratio, corrosion resistance, and ease of recycling, makes it the ideal material for a wide range of building and construction applications.

Packaging

Food, drinks and pharmaceuticals are better and safer in aluminium packaging. And when you're done, the "waste" packaging becomes a valuable resource. Experts choose aluminium foil and strip, especially in the sensitive areas of food and pharmaceuticals. Aluminium is impenetrable to light, gas and water vapor. And aluminium can keep the contents fresh for long – a major contribution in a world where about one-third of all food is wasted.

Packing and Delivery

1. Packaging:

Standard seaworthy export packing, PE or paper protection in wooden pallets.
20' container or 40' container (we advise 20 FCL to save your cost)

2. Delivery time:

5 - 30 days (Subject to quantities)

3. Transportation:

Massive cargo by sea, sample by air

Port: Shanghai/ Qingdao/Tianjin ,Fuzhou

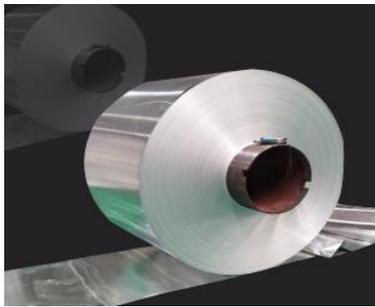
Aluminum Coil



Aluminum foil coil stock



Aluminum coil for PS CTP offset plate



Bottle Cap



Can Body Stock



Can End Stock



Prepainted Roller Coating Aluminum Coil



Foil stock



Aluminium Sheet Coil Replacing Aluminium Ingots

ALUMINIUM FOIL

1/3/8xxx Series Double Zero Foil



Details

Product Description

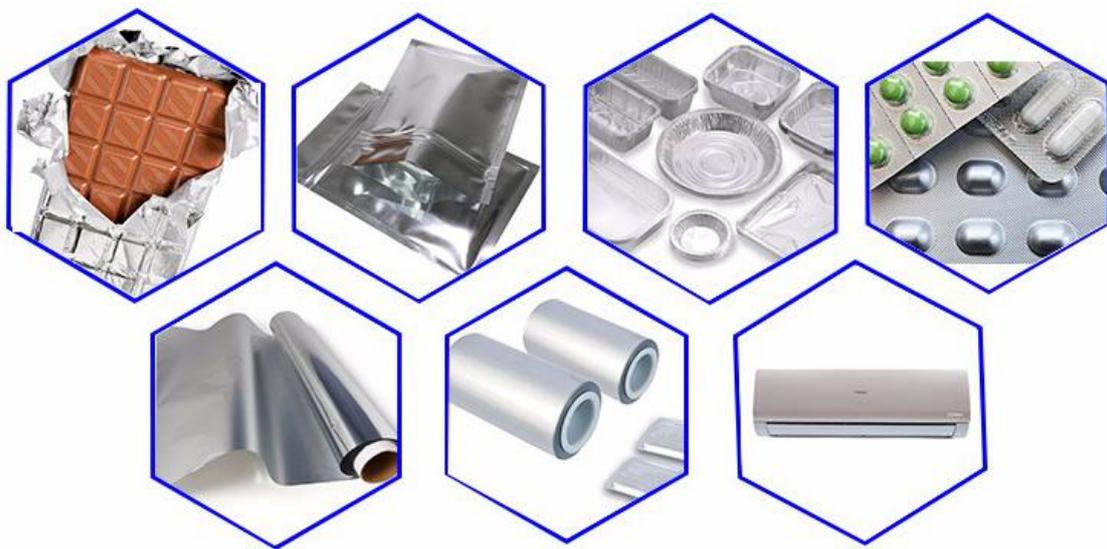
Product Name	Aluminium Foil
Alloy	1050, 1060, 1070, 1100, 1145, 1200, 1235, 3003, 8006, 8011, 8079
Temper	O H14 H18 H22 H24 H26
Thickness	0.08mm - 0.035mm
Width	15mm - 1850mm
Surface	Mill finish or coated

Advantages of Aluminum foil for Packaging

1. Flexibility & Reliability – With multi-plant, fully integrated production, we offer a wide range of aluminum foil specifications and features
2. Meet Standard – Our aluminum foil meets mandatory standards on contact with foodstuffs.

3. Aluminum foil provides a total barrier to light, color and moisture, thus making it ideal for the protection of sensitive food during cooking and storage;
5. It has unique mechanical properties as it is formable, strong and can be 'dead folded', which is beneficial when wrapping food;
6. Aluminum foil is an excellent conductor of heat and can withstand the highest temperatures encountered in cooking;
7. After it has been used, aluminum foil can be recycled or recovered in the form of energy.

Applications



1. Food packaging
2. Household Foil
3. Container Foil
4. Heat seal Foil
5. Lidding Foil
6. Toothpaste Foil
7. Retort Pouch Foil
8. Blister foil / pharmaceutical Foil
9. Cigarette Foil
10. Electrode Capacitor
11. Battery Foil
12. Tape Foil
13. Air conditioner Foil

.....

Food Grade Aluminium Foil Packaging , 8011 8006 Aluminum Foil Jumbo Roll



Details

Food Grade Aluminum Kitchen Aluminum foil Jumbo Roll Alloy 8011 8006

SPECIFICATION	
Width Range(mm)	200-800
Width Tolerance	± 1.0mm
Thickness Range(mm)	0.008-0.04
Thickness Tolerance	± 5%
Core Material	Aluminum / Steel
Core Inside Diameter (mm)	Φ76, Φ150
ID Tolerance	± 0.5mm
Max outside diameter (mm)	770

MECHANICAL PROPERTIES		
Thickness (mm)	Tensile Strength(Mpa)	Elongation %
0.009-0.0099	45-100	≥0.5
≥0.010-0.011	50-110	≥1.0
>0.011-0.012	50-110	≥1.5
>0.012-0.013	50-110	≥1.7
>0.013-0.014	50-110	≥1.8
>0.014-0.016	50-110	≥2.0
>0.016-0.018	50-110	≥2.2
>0.018-0.020	50-110	≥2.5
>0.020-0.022	50-110	≥2.8
>0.022-0.025	50-110	≥3.0

SURFACE QUALITY
1. Free of black spot, line mark, creases, wrinkles, etc...
2. Rell: no air packet, no bumps, etc...

SPLICING
1, Allow one joint, but total joints won't be more than 20% of the total rolls in every shipment.
2, The joints will be firmly stickup with high temperature adhesive tape, and show a mark.

Description:

Aluminum foil jumbo roll is a production material used in the later processes of making aluminum household foil for wrapping food. One side bright and one side matte.

At home, people use aluminum foil for food storage, to cover baking surfaces and to wrap foods, such as meats, to prevent them from losing moisture while cooking. People may also use aluminum foil to wrap and protect more delicate foods, like vegetables, when grilling them. It can be used to line grill trays to keep things tidy and for scrubbing pans or grill grates to remove stubborn stains and residue.



Household Foil

Product Range: thicknesses from 9 to 30 micron

Alloy: 8011 Temper: O (soft)

Thickness: 0.009mm-0.03mm (tolerance: +/-5%)

Width: 250mm-600mm (tolerance: +/-1mm)

Inner Core: 76mm/152mm Aluminum/Steel

O.D.: Per customer's requirement.

Surface Finishing: One side bright, one side matte

Application: Rewinding to small roll for food wrapping.



Flexibility & Reliability – With multi-plant, fully integrated production, we offer a wide range of household foil specifications and features consistent and reliable supply.

Food Contact – Our household foil meets mandatory standards on contact with foodstuffs. The company also prides itself on good hygiene practices at its production facilities, in line with international food packaging standards.

Unique & Versatile Properties – A unique combination of physical characteristics makes aluminum foil an essential material for household use:

Aluminum foil provides a total barrier to light, odour and moisture, thus making it ideal for the protection of sensitive food during cooking and storage;

It has unique mechanical properties as it is formable, strong and can be 'dead folded', which is beneficial when wrapping food;

Aluminum foil is an excellent conductor of heat and can withstand the highest temperatures encountered in cooking;

After it has been used, aluminum foil can be recycled or recovered in the form of energy.

Converter Foil

converter foil products can be used in flexible packaging for a variety of industries — from food to pharmaceuticals to cosmetics. The aluminum we supply is typically converted by our customers into flexible laminates, where it is lacquered, printed or layered with other supporting material such as polymers or paper.

Key features:

1. **Flexibility & Reliability:** With multi-plant, fully integrated production, Eternal Metals offers a wide range of converter foil specifications.
2. **Runnability:** Eternal Metals is committed to supply premium quality converter foil with predictable and uniform characteristics to ensure optimal runnability during converting operations. Reduced preparation time and down time due to foil breaks are critical to maintaining production rhythm and improving productivity, allowing packaging producers to respond efficiently to increasingly fragmented demands.
3. **The Highest Standards:** Eternal Metals converter foil meets FDA standards related to food contact substances as well as international food and pharmaceutical packaging standards.

Alloy

1050, 1060, 1070, 1100, 1145, 1200, 1235, 3003, 8006, 8011, 8079

Temper

O H14 H18 H22 H24 H26

Thickness

0.0052mm - 0.04mm

Width

200mm - 1580mm

Surface

Mill finish

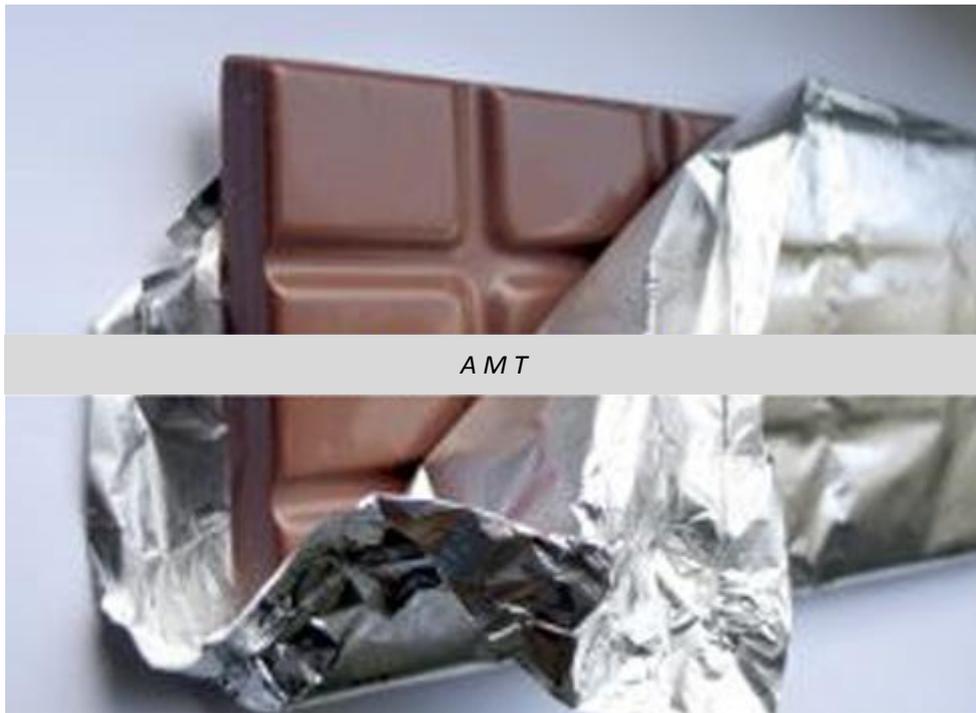
Advantages of Aluminum foil for Packaging

1. Flexibility & Reliability – With multi-plant, fully integrated production, we offer a wide range of aluminum foil specifications and features
2. Meet Standard – Our aluminum foil meets mandatory standards on contact with foodstuffs.
3. Aluminum foil provides a total barrier to light, color and moisture, thus making it ideal for the protection of sensitive food during cooking and storage;
5. It has unique mechanical properties as it is formable, strong and can be ‘dead folded’, which is beneficial when wrapping food;
6. Aluminum foil is an excellent conductor of heat and can withstand the highest temperatures encountered in cooking;
7. After it has been used, aluminum foil can be recycled or recovered in the form of energy.

Applications

converter foil to specifications suitable for a wide range of flexible packaging, including:

1. Aseptic cartons
2. Wraps
3. Pouches and retortable pouches
4. Bottle necks and capsules
5. Cheese foil
6. Tobacco foil
7. Decorative foil
8. Confectionery foil
9. Push-thru and cold-formable blisters
10. Laminated tubes
11. Lids and thick lids (with membrane)



3000 Series 3003

alloy	3003,3102,3105
temper	O,H22,H24,H26
thickness	0.08-0.35mm
width	15mm-1850mm
surface	One side/double side bright

3003 Aluminium alloy

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al
3003	0.6	0.7	0.05-0.2	1.0-1.5	---	---	---	0.1	---	remainder

3003 Aluminum alloy can be cold worked to produce temper with a higher strength but a lower ductility. 3003 is a general-purpose alloy with good work-ability, moderate strength and good corrosion resistance.

Description of aluminum foil for confectionary wrapping:

Aluminum foil is non-toxic packs, so it is widely used as the wrapping paper of confectionary products, such as chocolate, candies, chew gums.

Confectionary products, like chocolate candies must be protected from the effects of light, humidity and air, and fat penetration and from losing its aroma.

Coupled with flexibility and formability, it is easily coated with other materials, colored as you want, and embossed with various designs or texts. And most important is that aluminum foil is environmentally friendly because aluminum foil packaging can be recycled after finishing it.

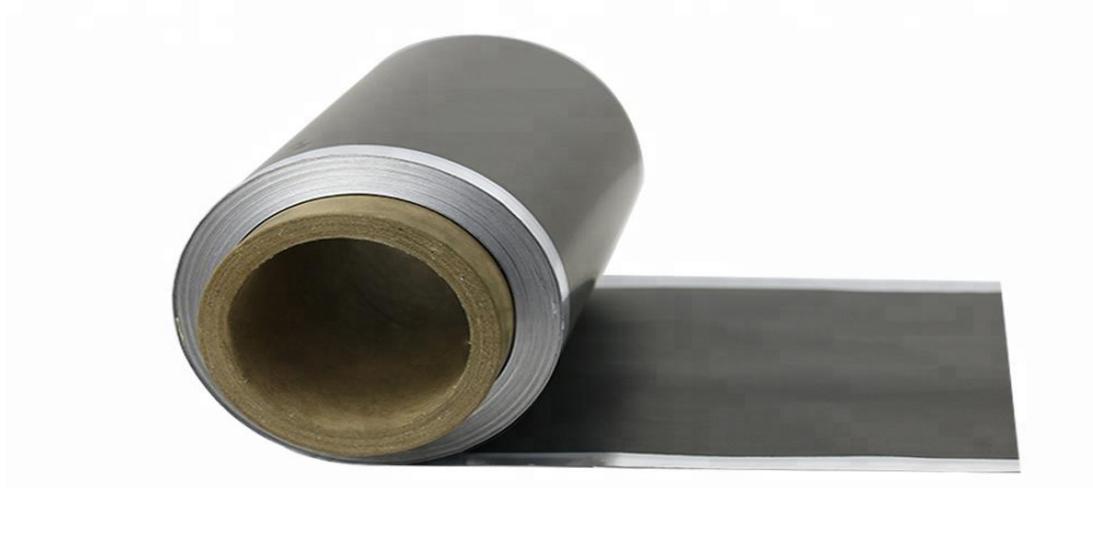
Aluminum foil is easily fragile and sometimes laminated to paper or plastic film to keep them in use. About 75% aluminum foil is used for the packaging industries of food, liquid, beverage (tin foil), medicine, and chemical products.

Due to cost reduction, the trend is currently going towards increasingly thinner aluminium foils. In the field of chocolate packaging, the thickness of the packaging alone decreased by about 30% in the last twenty years.

Applications of aluminum wrapping foil:

1. Milk
2. Beverage / juice
3. Water
4. Tomato ketchup
5. Wine

1000 Series 1050 1060 1070 1100 1235 1145



Product	Alloy	Temper	Thickness mm	Width mm
Heavy Gauge Foil Stocks	1050, 1060, 1070, 1100, 1145, 1235	O H18	0.01 - 0.02mm	60mm - 1660mm
Light Gauge Foil Stocks	1100, 1145, 1235	O H18	0.0052 - 0.3mm	60mm - 1660mm

Applications of aluminum wrapping foil:

1. Milk
2. Beverage / juice
3. Water
4. Tomoto ketchup
5. Wine,
6. Coffee

.....

Advantages:

1. 15 years' experience in the field of aluminium, we are familiar with domestic market and establish reliable relationship with our suppliers in China.
2. We focus on providing solution to you to fit your unique demands.
3. We have won good reputation at home and aboard with our customers and suppliers.
4. A complete supply chain.
5. Concentration on quality. We take solid control on products from raw material and process.

8000 Series 8011, 8021, 8079 Aluminum Foil



Quick details of food aluminum foil:

Gauge(mm): 0.0052 - 0.3

Alloy available: 8006/8011/8021/8079

Treatment: laminated / lacquered

Width(mm): 60 -1600

Description of aluminum foil packaging lidding foil:

1. Aluminum foils lidding foils are suitable for the packaging of yogurt, margarine, marmalade, honey and many other foodstuffs.
2. Lacquered aluminium lidding foil is laminated with different inks available in the market today and is sealable to a wide variety of substrates, such as PVC, PS, PP, PE and PET.



Aluminium foil we can supply:

Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Others	Al
1060	0.25	0.35	0.05	0.03	0.03	0.05	0.03	0.03/-	99.60
1070	0.20	0.25	0.04	0.03	0.03	0.04	0.03	0.03/-	99.70
3003	0.60	0.70	0.05-0.2	1.0-1.5	-	0.10	-	0.05/0.15	Rem
8011	0.5-0.9	0.6-1.0	0.1	0.2	0.05	-	0.1	0.08	Rem
8021	0.15	1.2-1.7	0.05	-	-	-	-	-	Rem
8079	0.05-0.3	0.7-1.3	0.05	-	-	-	0.1	-	Rem

Advantages:

1. 15 years' experience in the field of aluminium, we are familiar with domestic market and establish reliable relationship with our suppliers in China.
2. We focus on providing solution to you to fit your unique demands.
3. We have won good reputation at home and aboard with our customers and suppliers.
4. A complete supply chain.
5. Concentration on quality. We take solid control on products from raw material and process.

Aluminum Container Foil

AMT supplies aluminum container foil with specifications meeting the requirements of the container manufacturers, including foil for conventional containers and foil for smooth-wall containers.

Alloy: 3003/8006/8011

Temper: O/H22/H24

Thickness: 0.02mm-0.2mm

Width: 200mm-1650mm

Finishing: Both sides bright

Aluminum foil containers offer some of the most versatile packaging solutions available today. They combine the features needed to process, conserve and deliver to the consumer perfectly preserved and quickly accessed food products. AMT offers container manufacturers a wide range of advanced foil specifications and a consistent and reliable supply.



The aluminum container owes a large part of its acknowledged advantages to the attributes of the foil material: Barrier, Formability, Heating properties, Decorative potential, Food contact ability, Sustainability

Applications for:

1. Preserved pet food
2. Preserved human food
3. Chilled food
4. Catering
5. Take-away
6. Bakery

FAQ:

1. Q: What about the lead time for mass production?
A: Often 5 -30 days, subject to order quantities.
2. Q: Can I visit your company?
A: Certainly, you will be welcomed to our factory.
3. Q: How can I get some samples?
A: Samples are offered to you and will be sent to you by air.

Bare Fin Stock



We supply tailor-made fin stock to renowned international manufacturers of air-conditioners and heat exchangers.

Our fin stock is produced to customers' specifications such as thickness, width, temper and coil diameter. It's available in gauges from 0.08mm to 2.5mm and in widths up to 1650mm. According to your needs, it can be supplied in master coils or in slit widths. Our product is produced from 1100, 8011 alloy and in Tempers 0, H111, H112, H113, H22, H23, H24, H26, and H19.

End Application:

Aluminum fin stock is used to produce industrial heat exchangers, for use in countless Heating, Ventilation and Air Conditioning (HVAC) and refrigeration applications.

Thickness: 0.1 mm (0.08-0.35mm)

Width: 15mm -1850mm

Advantages of Aluminum foil

1. Flexibility & Reliability – With multi-plant, fully integrated production, we offer a wide range of aluminum foil specifications and features
2. Meet Standard – Our aluminum foil meets mandatory standards on contact with foodstuffs.
3. Aluminum foil provides a total barrier to light, color and moisture, thus making it ideal for the protection of sensitive food during cooking and storage;
4. It has unique mechanical properties as it is formable, strong and can be 'dead folded', which is beneficial when wrapping food;
5. Aluminum foil is an excellent conductor of heat and can withstand the highest temperatures encountered in cooking;
6. After it has been used, aluminum foil can be recycled or recovered in the form of energy.

Cable Wrap Foil

Temper Cable Wrap Foil , 200 - 500mm Width Aluminum Wrapping Foil

Product Range –AMT offers household foil in thicknesses from 8 to 25micron

Specification of aluminum foil:

Alloy: 8011

Temper: O (soft)

Thickness: 0.0052 mm-0.2mm (tolerance: +/-5%)

Width: 200mm-500mm (tolerance: +/-1mm)

Inner Core: 76mm/152mm Aluminum/Steel

O.D.: As per customer's requirement

Surface Finishing: One side bright

Application: Rewinding to small roll for wrapping.

Inner Core	76mm/152mm
Outside Core	360mm-420mm /560mm-620mm,also can make according to customers' requirements
Core Material	Aluminum ; Steel
Surface	One side bright ,the other side matt ;or both side bright
Surface Quality	Clear ,smooth ,without defects, gaps ,riddles ,lubricant leftovers ,folds and mechanical defect and be chromatic.
Grade	Grade AAA
Degreasing	Without oil left on surface , easy compound and printed.
Pinhole	Meet with the international standard.

Advantages of aluminum foil:

1. Flexibility & Reliability – With multi-plant, fully integrated production, we offer a wide range of household foil specifications and features consistent and reliable supply.
2. Food Contact – Our household foil meets mandatory standards on contact with foodstuffs. The company also prides itself on good hygiene practices at its production facilities, in line with international food packaging standards.
3. Unique & Versatile Properties – A unique combination of physical characteristics makes aluminum foil an essential material for household use:
4. Aluminum foil provides a total barrier to light, odour and moisture, thus making it ideal for the protection of sensitive food during cooking and storage;
5. It has unique mechanical properties as it is formable, strong and can be 'dead folded', which is beneficial when wrapping food;
6. Aluminum foil is an excellent conductor of heat and can withstand the highest temperatures encountered in cooking;
7. After it has been used, aluminum foil can be recycled or recovered in the form of energy.

Honeycomb Foil

3003 High Quality aluminum foil for honeycomb structure

Product Introduction:

AL 3003 is an alloy with very good corrosion resistance and moderate strength. It is not heat treatable and develops strengthening from cold working only. Main tempers for aluminum foil 3003 includes H 18, H22, H24 and other tempers upon request. This alloy provides a better heating and cooling environment so that widely used in household applications. AMT is a leading aluminum manufacturer mainly in business of 3003 household foil, container foil, packaging foil as well as electronic foil since 2005.

Alloy: 3003

Temper: o, h12, h14, h16, h22, h24, h26

Thickness(mm): 0.016-0.2mm

Width(mm): 100-1600mm

Length(mm): Customized

Product Feature:

3003 aluminum foils from 0.01 to 0.20mm. Our plant equipped with flatness control system so that to ensure the precious of our foil. AL 3003 alloy is readily machined and is considered as having good machinability for the aluminum alloys. Typically, alloy 3003 is used in a number of industries. For instance, the Aluminum alloy 3003 is easily found in home appliances. From cooking utensils, bakery molds to office equipment it has many applications that you would find in your everyday lives.

Other aluminum foil that we supply:

Grade	1050,1060,1070,1100,1200,1235,3003,3102,8011, 8079 etc.
Material	Aluminum Alloy
Standard	JIS, AISI, ASTM, GB, DIN, EN
Treatment	Coated
Type	Roll
Temper	Soft/O,H14,H18,H22,H24,H26
ID	75mm, 150mm, 200mm, 300mm, 400mm, 508mm or negotiable
Thickness	0.01mm-0.7mm
Thickness tolerance	+/-2%
Width	15mm-1700mm
Width tolerance	+/-3%
Length	2000mm-8000mm or as customers' request
Certification	ISO9001/SGS/BV
Use	Food, Bottle caps
Package	Standard export packing or following customer's demand

Main products form:

Product Name	Alloy	Temper	Thickness	Width
Container Foil	3003/8011	O/H22/H24	0.045mm-0.12mm	150mm-1300mm
Household Aluminum Foil	1235/8011	O	0.01mm-0.02mm	150mm-1250mm
Aluminum Foil for bottle cap	1050/1060/1070	H18	0.14mm-0.27mm	900mm-1100mm
Aluminum Foil for yogurt lid	1235/8011	O	0.028mm-0.040mm	15mm-1250mm
Aluminum Foil for PP cap	8011	H14	0.18mm-0.24mm	per cutting request
Beer bottle mark Foil	8011	O	0.010mm	150mm-1250mm
Pharmaceutical Foil	8011	H18/O	0.018mm-0.03mm	150mm-1250mm
Package, converting Foil	1235/8011	O	0.006mm-0.009mm	150mm-1250mm
Cigarette Foil	1060/1070/3003/8011	O/H14/H18/H24	0.05mm-0.60mm	5mm -200mm
Hydrophilic Aluminum Foil	1100/1200/3102/8011	O/H22/H24/H26	0.08mm-0.20mm	60mm-1440mm
PS/CTP base board	1050/1060/1070	H14/H16	0.15mm-0.70mm	900mm-1100mm
Aluminum Foil of narrow width	1060/1070/3003/8011	O/H14/H18/H24	0.05mm-0.60mm	5mm -200mm
Cable material	1050/1060/1100/1235/8011	O/H22/H24	0.10mm-0.20mm	100mm-1000mm
Adhesive tape foil	1235/8011/8079	O	0.015mm-0.05mm	150mm-1250mm

Lid Foil

Details

Aluminum has exactly the properties that closures need.

Alloy: 8011/1235/8079

Temper: O soft or H12-H19

Thickness: 0.02mm--0.2mm

Width: 200mm--1850mm

Packing: In wooden crates, well secured against transit damage.

All material is produced according to EN and AA / ASTM standards or as per agreed customer specifications.

We can issue analytical Mill Test Certificates showing precise measuring of chemical composition and mechanical properties of any item produced.

Key features

Aluminum is impermeable to light and gas, it can be easily formed and it combines well with other materials.

We supply plain as well as lacquered strip and sheet made from alloyed aluminum.

This high quality material can be used in conjunction with a wide range of lacquering systems to create functional and well-styled solutions for the catering industry and for domestic purposes.

Application areas

Screw caps for pressurized and unpressurized beverages, including carbonated soft drinks and spirits.

Pharmaceutical caps for bottles and special applications.

Dental cartridges.

Flexible Packaging Foil

Aluminum foil is one of the basic materials for flexible food packaging.

You will find it in confectionary, sachets and pouches, packaging of dairy products, as bottlenecks and capsule foils, for various labels and seals and other applications.

Alloy: 8011/1235/8079

Temper: O soft or H12-H19

Thickness: 0.006mm--0.2mm

Width: 50mm--1850mm

Packing: In wooden crates, well secured against transit damage.

All material is produced according to EN and AA / ASTM standards or as per agreed customer specifications.

We can issue analytical Mill Test Certificates showing precise measuring of chemical composition and mechanical properties of any item produced.

Key features

Cost effectiveness.

Barrier to light, gases, oil, fats, volatile compounds, water vapor.

Temperature resistance.

Heat conductivity.

Electrical properties.

Strength and durability.

Compatibility with food.

Ease of lamination and coating.

Flexibility.

Formability and non-returning "dead fold".

Decorative potential, brilliant and matte surface.

Printability by flexo, gravure and offset litho.

Non-toxicity and Recyclable.

Low weight.

Custom design

We aim to meet our customers' demands as well as comply with legislation, both national and international, concerning quality, hygiene and the environment.

Application areas

Confectionary

Sachets

Pouches

Packaging of dairy products

Bottle necks

Capsule foils

Labels and seals

Aluminum Foil Strip

Aluminum foil has a clean, sanitary and shiny appearance, it can be integrated with many other packaging materials packaging materials, and aluminum foil surface printing effect is better than other materials, in addition, aluminum foil has the following characteristics:

1. Aluminum foil is a non-toxic packaging material, it can directly contact with food without any harm to human health. Its surface is clean, sanitary, no bacteria or micro-organisms can not grow on its surface.
2. Aluminum foil is a kind of opaque packaging material, so it is a kind of good packing material for the products of sunlight irradiation. It is good plasticity, so it can be used to pack all kinds of products. Can also cause any shape containers.
3. Aluminum foil itself is not volatile, it itself and packaged food will never dry or shrink. It is a kind of tasteless odorless packaging material, will not make the packaging of food have any peculiar smell.
4. At high temperature or low temperature, aluminum foil will not have the phenomenon of oil permeability.

Products that we supply:

Hydrophilic aluminum foil
Beer mark foil
Air conditioners aluminum foil
Cable shielding aluminum foil
Household aluminum foil
Aluminum foil for bottle caps
Aluminum foil container
Aluminum foil bag
Aluminum foil adhesive tape
Cigarette packaging
Aluminum foil roll (Aluminum foil wrap)
Pharmaceutical aluminum foil
Aluminum foil paper
Vacuum-packed bag
Tea Light Cup
Other aluminum foil

Product Name	Picture	Alloy	Temper	Thickness(mm)	Width (mm)
Container Foil		3003/8011	O/H22/H24	0.045-0.120	150-1300
Household Aluminum Foil		1235/8011	O	0.010- 0.020	150 -1250
Aluminum Foil for bottle cap		1050/1060/1070	H18	0.140- 0.270	900 -1100
Aluminum Foil for yogurt lid		1235/8011	O	0.028-0.040	15 -1250
Flexible Packing Aluminum Foil		80,118,079	H16/H18	0.006-0.009	≤1650
Hairdressing Aluminum Foil		8011/3003	O	0.011-0.200	75-150
Beer bottle mark Foil		8011	O	0.011-0.200	150 -1250
Pharmaceutical Foil		8011	H18/O	0.018-0.030	150-1250
Package Foil		1235/8011	O	0.006-0.009	150-1250
Cigarette Foil		1060/1070/3003/8011	O/H14/H18/H24	0.050- 0.600	5 -200
Aluminum Foil Paper		1235/8011	O	0.010-0.015	273 -1250
Aluminum Foil for A/C		1100/1200/3003/8011	O/H22/H24/H26	0.080- 0.300	100 -1300
Hydrophilic Aluminum Foil		1100/1200/3102/8012	O/H22/H24/H26	0.080- 0.200	60-1440
PS/CTP base board		1050/1060/1070	H14/H16	0.150- 0.700	900-1100
Narrow Aluminum Foil		1060/1070/3003/8011	O/H14/H18/H24	0.050- 0.600	5 -200
Cable material		1060/1100/1235/8011	O/H22/H24	0.100- 0.200	100-1000
Adhesive tape foil		1235/8011/8079	O	0.015-0.050	150 -1250
Embossed Aluminum Foil		1060/8011	O/H22	0.080- 0.700	100 -1200
Laminated Aluminum Foil		8011/1235	O	0.006- 0.009	900 -1100

Hair Dressing Foil

Details

Alloy	8011/1235/3003	Thickness	0.01mm-0.025mm
Temper	O	Width	90mm-150mm
Length	1.5m-500m	Color	silver, gold, red, purple, green, yellow or as you like

Thickness	Width	Length	Quantity per carton
0.02mm	100mm	15m	160 rolls
0.01mm	90mm	10m	160 rolls
0.02mm	120mm	20m	160 rolls



Feature

Silver-white roll hairdressing foil for hair color, perm.

High temperature resistant, It can be quickly heated up and speed up the modeling process.

Make the hair maintain long-lasting.

The compact packaging makes dressing foil easy to use.



Wrought Aluminum Alloy Composition Limits (% Weight)

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	V	Ti	Zr	Limits††		Al
												Each	Total	
8011	Si+Fe :0.65		0.05	0.05	0.05	-	-	0.1	0.05	0.06	-	0.03	-	99.35

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn		Ti	Zr	Limits††		Al
												Each	Total	
3003	0.6	0.7	0.05-0.20	1.0-1.5	-	-	-	0.1	-	-	-	0.05	0.15	Remainder

Mechanical Properties:

Tensile strength σ_b (MPa): 140 to 180

Conditions yield strength $\sigma_{0.2}$ (MPa): ≥ 115

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn		Ti	Zr	Limits††		Al
												Each	Total	
8011	0.5	0.6	0.1	0.2	0.05	0.05	-	0.1	-	0.08	-	0.05	0.15	Remainder
	~	~												
	0.9	1												

8011-H14 Mechanical Properties:

Tensile strength: 125 to 165

Yield strength: 110

Elongation: 2~5

Aluminum Foil Tape

Description:

- 1) High tensile strength aluminum foil made from special aluminum alloy, coated with aggressive solvent-based acrylic adhesive, which provides high peel adhesion and quick sticking
- 2) Designed for sealing joints and seams of foil jacketing in air-conditioning duct work



Specifications:

- 1) Backing: 18u aluminum foil laminate with Fiberglass Cloth
- 2) Roll width: 48, 50, 60, 72, 75, 96, 100mm
- 3) Roll length: 27, 30, 45, 50m
- 4) Log roll: 1.2 x 45m, 1.2 x 50m
- 5) Jumbo roll: 1.2 x 800m, 1.2 x 750m

Inner packing:

Cut roll: printed core and shrink wrapping

Log roll: cardboard wrapping

Jumbo roll: plastic film + corrugated board wrapping

Outer packing:

Cut roll: carton

Log roll: carton + pallet / wooden case

Jumbo roll: wooden case

1. Packing term:

1. Standard seaworthy export packing, wooden cases for the aluminum coil.
2. 20' container and 40' container.
3. Customized requirement is accepted

2. Delivery time:

5-30 working days (Subject to quantities)

3. Transportation:

Massive production by sea, samples by air

Our advantages:

1. Over 15 years' experience in the field of aluminium, we are familiar with domestic market and suppliers in China.
2. A comprehensive aluminium solution to be offered to our customers to fit your unique demands.
3. Good reputation at home and abroad.
4. Consolidation of suppliers in China to integrate various aluminum products, including mill finish products and further fabricated products.
5. Concentration on quality. We take solid control on products from raw material and process by a professional team. Raw material, alumina is provided by our group company.

Beer Label Foil

Aluminum foil has become an essential part of modern household convenience-- for cooking, reducing cleaning chores in the kitchen and for its many uses around the home and often in the garden and the workshop.

Type	Beer Neck Foil
Application	To be produced into beer neck wrapping labels
Alloy	8011
Temper	O
Thickness	0.01MM-0.012MM
Width	360MM-1600MM
Surface	One side bright, One side matt
Packaging	Free Fumigated wooden box

Specification of aluminum foil:

Item	Thickness (mm)	Alloy Type	Temper	Width (MM)	Corel ID
Fin stock	0.08-0.2	8011,HL01,HL02, 1100,1200,3102, 8006	H22,H24, H26,O	100-1200	75,150,152
Cigarette	0.006-0.007	1145,1235,8011, 8079	O	300-1650	75
Beer stock	0.1050-0.0111	8011,8006A,8079	O	300-1650	75,150
Decoration	0.026-0.2	1100	H18	60-1240	75
Pharmacy	0.02	8011,1145	H18	300-1650	75
Food softpacking	0.006-0.023	1235,8011	O	200-1220	75,150
Cable stock	0.15-0.2	8011,1145	O	200-1650	75,150
Household	0.01-0.02	8011	O	200-1650	75,150
Food container	0.03-0.2	8006	H24	200-1140	75,150

Applications of aluminium foil for food package:

1. Dairy
2. Cheese
3. Beverage or juice
4. Confectionary
5. Tobacco
6. Bread
7. Snack



Tobacco Packaging Foil

Details

Tobacco products are consumed widely throughout the world. Like other sensitive goods, they require packaging which brings them to the customer in optimum condition.

Alloy: 8011/1235/8079

Temper: O soft or H12-H19

Thickness: 0.006mm--0.2mm

Width: 50mm--1850mm

Packing: In wooden crates, well secured against transit damage

All material is produced according to EN and AA / ASTM standards or as per agreed customer specifications.

We can issue analytical Mill Test Certificates showing precise measuring of chemical composition and mechanical properties of any item produced.

Key features

It retains the characteristic aroma peculiar to each blend and brand, and also gives the packaging a distinctive appearance and quality appeal.

An aluminum foil/paper laminate provides certain characteristics, such as dead fold and emboss ability, which other bundling materials cannot offer.

Tobacco benefits from aluminum foil's unequalled barrier properties in the same way as other sensitive natural products.

The foil maintains an effective barrier against moisture and protects the tobacco from deterioration, aroma transmission and bacteria by sustaining a micro-climate in the package.

With its non-returning dead-fold characteristic, aluminum can be formed to the desired shape with no "spring back" and provides the web strength and dependability essential to high-speed packing lines, where downtime is costly.

Custom design

We supply up to 6 micron thin foil, rolled in widths of maximum 1850 mm.

Application areas

Cigarette packaging

Pharmaceutical Foil

Details

Aluminum foil's unrivalled barrier properties can totally exclude moisture, microorganisms, light, oxygen and other gases, which makes it a primary material in the protective packaging of pharmaceuticals.

Alloy: 8011/8021

Temper: O soft or H12-H19

Thickness: 0.02mm--0.2mm

Width: 200mm--1650mm

Packing: In wooden crates, well secured against transit damage

Quality Certification

All material is produced according to EN and AA / ASTM standards or as per agreed customer specifications.

We can issue analytical Mill Test Certificates showing precise measuring of chemical composition and mechanical properties of any item produced.

Key features

Foil is supplied completely sterile thanks to the metal annealing process during manufacture.

It is non-hazardous to health, contains no plasticizers and is environmentally friendly.

Coupled with flexibility and formability, the ease with which aluminum foil can be coated, printed, laminated, slit, cold-formed and embossed qualifies it as an extremely versatile tool for the pack designer.

Application areas

Tablets

Push-through blister

Cold-formed foil blister

Strip pack

Creams, ampoules

Instruments

Dressings

High performance membrane for pharmaceutical closures

Industrial Foil

Details

Key features

Absolute barrier function for insulation

Incombustible

Reflective surface

Corrosion-resistant

Durable

Electrical conductivity

Product details

Aluminium foil is used as a skin for heat-insulating and incombustible materials to provide high performance insulation for pipe work and ducting as a basis for adhesive tape used to secure laminated materials in electrical cables, for long-term insulation against moisture and corrosive elements as an insulator against the magnetic and radio frequency emissions associated with electrical cables as a sheath for fiber-optic cables, to enable testing of the integrity of cable links and secure a long shelf life in fire walls for vehicles and fireproof doors and building panels to stop access to the oxygen required to support flames.

Application areas

Fire walls

Fire doors

Fibre optic cables

Electrical cables

Aluminum Foil Container



Rectangle aluminium foil takeaway food container



Round aluminum foil container with lid common thickness



Color aluminum foil baking tray for food cake

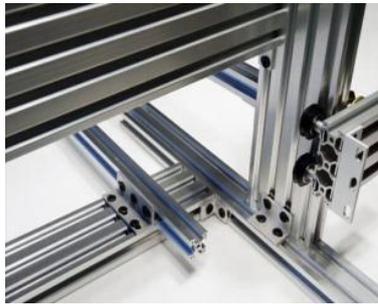


Baking aluminum pizza sauce tin foil pan for catering



Airline compartment aluminum foil container with Lids

ALUMINUM PROFILE



Aluminium Sheet Coil
Aluminium Ingots

Replacing



Mill Finish Aluminum Profile



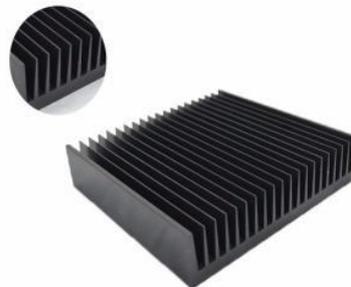
LED Aluminum Profile



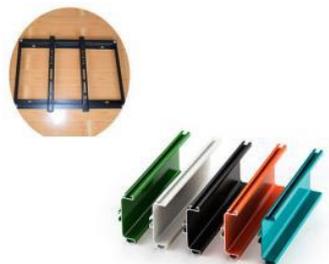
Wood Grain Aluminum Profile



Power Coating Aluminum Profile



Anodized aluminum profile

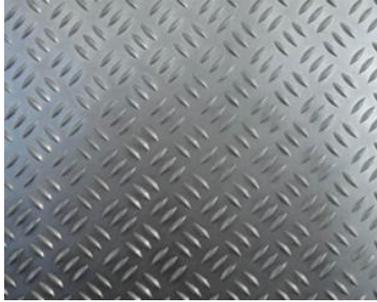


Aluminum profile for television application



Aluminium profile marine application

ALUMINUM TREAD PLATE



3 bars Aluminum Tread Plate



Stucco Aluminum Tread Plate



Pebble Aluminum Tread Plate



Anodized Aluminum Tread Plate



Ball Embossed Aluminum Tread Plate



Five Bar Tread Plate

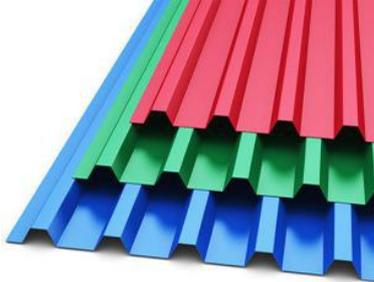


Diamond Aluminum Tread Plate

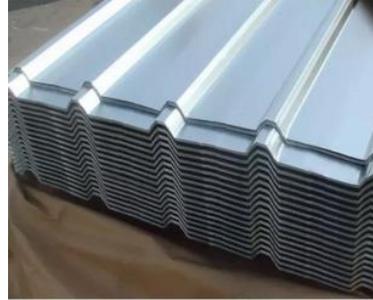


5 Bar Aluminum Tread Plate

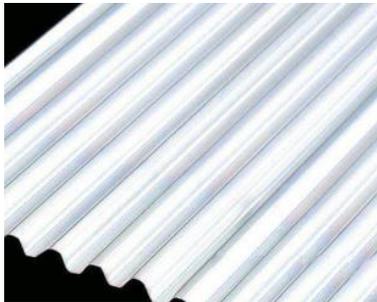
ALUMINIUM ROOFING SHEET



Color Coated Aluminum Roofing Sheet



Exhibition Center Aluminum Roofing Sheet



Smooth Curving Aluminum Roofing Sheet



Color customized aluminum roofing sheet



3004 Aluminum roofing sheet



Corrugated aluminum plate



Mill finish aluminum roofing sheet



Color coated aluminium roofing sheet

HOLLOW ALUMINUM TUBE



Wooden Coating Aluminum Tube



Thick Wall Aluminum Tube



Square Hollow Aluminum Tube



Mill Finished Aluminum Tube



Rectangular Aluminum Tube



Powder Coated Aluminum Tube



Thin Wall Aluminum Tube



Oval Anodized Hollow Aluminum Tube

CONTACT

Advanced Metal Technology Co., Limited

Email: info@sunwaygroup.cn

Hongnan Mansion, No.939 Jinqiao Road, Shanghai, China

Post Code:200136

Tel: 0086-21-61623132 Fax: 0086-21-61622559

Henghua Technology Park, NO.58 Xiuxi Road, WuXi, China

Post Code:214125

Tel: 0086-510-85192612 Fax: 0086-510-85192613

Flat/RM 1205, Tai Sang Bank Building, 130-132 Des Voeux

Road Central, HK, China