

Aluminium Flat Rolling Sheet Presentation

We have two different size purpose aluminium cut to length lines, with automatic stacking and filming systems, which can cut the sheets as per client's specific requirements.

the thickness is from 0.5mm to 5.5mm. raw material is available from 1xxx ,3xxx, 5xxx, 6xxx

We are a fully integrated aluminum company and fully committed to being the premier supplier of aluminum sheet

Our sheets are all cutted in our plant and most of mother coils are produced in my plant, those mother coils such as alloy

AA5xxx,7xxx are from our cooperated mills, and the sheets are cutted here.



Main specification of Rolling Aluminium sheets

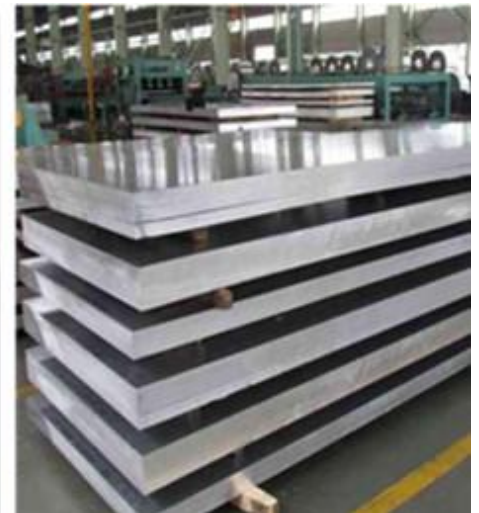
Alloy: AA1100/1050/1060/1070/3003/3105/3004/3104/8011/AA5xxx/6xxx

Temper: H16/H18/O/h14/24/32

Thickness(mm) : 0.5-5.5mm

Width(mm) : 1000-1600

Length(mm) : 1000-5000



Charisristics of Aluminium sheet:1050A-H14 and 5251-H22.

1050A-H14 has the following characteristics:

- Moderate strength
- High ductility (resists cracking or breaking when manipulated)
- Good corrosion resistance
- Highly reflective finish
- Weldable

5251-H22 has the following characteristics:

- More suitable for Laser Cutting
 - Less suitable for folding than 1050A-H14
- . Better corrosion resistance than 1050A-H14

Both grades can be guillotined to size using our in-house fabrication facilities and can be coated with a plastic film (polycoating) to protect the surface while being worked upon. Polycoating can be in standard or laser quality film and can be applied to order.

Common Uses

Aluminium sheet is an extremely versatile product, and is used in the manufacture of:

- Architectural flashings
- Signs
- Food processing equipment

Light reflectors

Cold rolled Aluminium sheets Thickness Tolerance:(mm)

Thickness toleance vary according to Alloy and wdth, For AA1xxx/3xxx/5xxx alloy, thickness tolerance is as follows:

Thickness(mm)	Tolerance(+/-)	tolerance(+/-)	tolerance(+/-)
	Width 1000mmm	Width 1250mm	Width 1500mm
0.2 - 0.4	0.03	0.04	0.05
0.41-0.5	0.03	0.04	0.05
0.51-0.6	0.04	0.05	0.06
0.61-0.8	0.04	0.06	0.07
0.81-1.0	0.05	0.06	0.08
1.1-1.2	0.05	0.07	0.09
1.21 - 1.5	0.07	0.09	0.10
1.51-1.80	0.08	0.10	0.11
1.81 -2.0	0.09	0.11	0.12
2.1-2.5	0.1	0.12	0.13

2.6 -3.0	0.11	0.13	0.15
3.1 -3.5	0.12	0.15	0.17
3.6 - 4.0	0.15	0.20	0.22
4.1-5.0	0.18	0.22	0.24

Cold rolled aluminium sheet Flatness tolerance

Thickness(mm)	Max. Deviation over 2500mm length	Max. Deviation over 1250mm width
0.5mm - 3.0mm	10mm	5mm
3.0mm -6.0mm	7.5mm	3.75mm

Cold rolled aluminium sheet width tolerance (applied to width 501mm - 1250mm)

Thickness(mm)	Cold rolled EN-485-4(-0MM) Plus
0.2mm -3.0mm	3mm
3.1mm- 6.0mm	4mm
6.1mm - 12mm	5mm

Cold rolled aluminium sheet length tolerance(applied to length 2001mm - 3000mm)

Thickness(mm)	Cold rolled EN-485-4(-0MM) Plus
0.2mm -3.0mm	6mm
3.1mm- 6.0mm	8mm
6.0mm - 12mm	10mm

General Application of Aluminium sheets:

Mainly used in signs, billboards, building exterior decoration, bus body, high-rise buildings and factories wall decoration, kitchen sink, lamp, fan leaves, with pieces of electronic, chemical equipment, sheet metal processing parts, deep drawing or spinning hollowware, welding parts, heat exchangers, bell surface and disk, plate, kitchenware, decorations, reflective devices, etc



Product advantages:

- High surface quality
- surface can be filmed

- standard packing suitable for export
- Advanced edge strip
- universal application

Aluminium sheet packaging:

No matter domestic short distance or export long distance transportation, proper packing of sheets can ensure safety transportation and avoid damaging sheets during transport, loading and unloading.

Our packing way is experienced during all these years:

First of all, a dense waterproof film is used to wrap the aluminum sheet tightly and carefully sealed with adhesive tape to ensure that no part of the aluminum sheet is exposed to the possible damp air, and sufficient desiccant is placed inside the package. This is to ensure that the aluminum plate internal drying, not to allow aluminum plate to contact any liquid, prevent aluminum plate oxidation or corrosion.

Outside the waterproof membrane, wrap a layer of cowhide waterproof paper. This is mainly to ensure that the weak waterproof film will not be damaged, waterproof paper to a certain extent can also be isolated from external moisture, thick kraft paper can be a good insulation of the surface and internal environment temperature difference, to avoid the aluminum plate due to temperature differences too large water vapor condensation phenomenon, prevent aluminum plate oxidation

Outside the kraft paper, the whole layer of corrugated paper will be covered to protect the edges and corners of the aluminum plate with special corrugated protection, and finally with metal wrapping belt will be aluminum plate and wooden saucer packed together. Strengthen several tons of aluminium sheet to prevent the aluminium sheet from falling and sliding during transportation, and avoid friction between

aluminium sheet and aluminium sheet after fixing.

After repeated tests, this packaging method can not only effectively prevent corrosion and oxidation of aluminum plate, but also protect aluminum plate during long-distance transportation, aluminum plate will not be deformed and scratched because of transportation.

