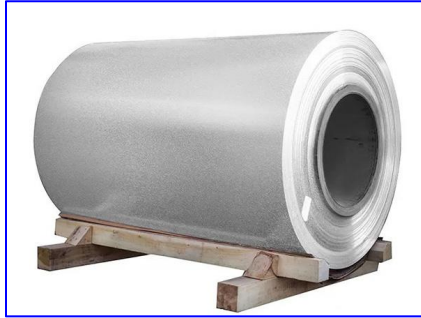




Coated Aluminium Sheet



Coated aluminum sheet is a premium aluminum product with a protective and decorative layer of paint or coating applied to its surface. Known for its excellent durability, corrosion resistance, and vibrant color options, coated aluminum sheets are widely used in various industries, including construction, transportation, appliance manufacturing and signage.

Manufactured through advanced coating technologies such as roller coating, coated aluminium sheets offer uniform color, strong adhesion, and long-lasting performance even in harsh environments. Available in a wide range of colors, finishes (matte, glossy, metallic), and thicknesses, coated aluminum sheets are ideal for applications like roofing, cladding, ceiling panels, and aluminum composite panels (ACP).

Specification of Coated Aluminum Sheet:

Alloy	1050, 1060, 1070, 1100, 3003, 5052, 5052, 5005, 5006, 5052, 5754, 5182
Thickness	0.2-1.5mm
Width	600-1500mm
Coating Surface	PVDF/ PE/HDP/FEVE/EOXY/ PU
Coating Thickness	Single Coating (4-20 Um)
	Double Coating (25-28 Um)
	Triple Coating (35-38 Um)
Temper	O,H12,H22,H14,H24,H16,H26,H18,H26,etc.
Color	All Ral Color or As Request
Type	Coil, sheet, strips, plate
Coil Weight	3-8 MT
Coil ID	508mm and 405mm
Applications	Roofing System and Ceiling Decoration for Airport, Railway Stations, Exhibition Halls, Factory and Stadium
Supply Ability	200000 tons per year
MOQ	2 tons per size

Standards and Specifications

ASTM	B209
ISO	ISO 26204 (alloy designations), ISO 6892 (mechanical testing),ISO 9001,ISO 14001.
UNS	A91050 (United States Numbering System)

Coating Options:



- Polyester Coating: A common choice for outdoor applications due to its durability and resistance to fading.

- PVDF (Polyvinylidene Fluoride) Coating: Offers superior weathering, UV resistance, and a long lifespan, often used for architectural applications.

Warranty:

Regular PE: 3-5 years;

High Performance PE: 6-9 years;

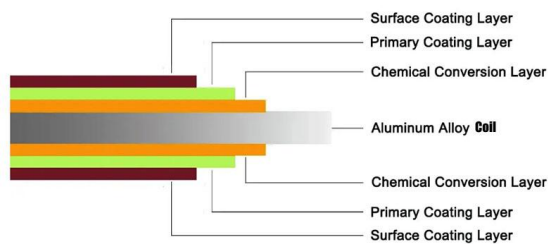
PVDF: 15 years;

FEVE: Two coats: between 10-15 years; Three coats: 15-20 years.

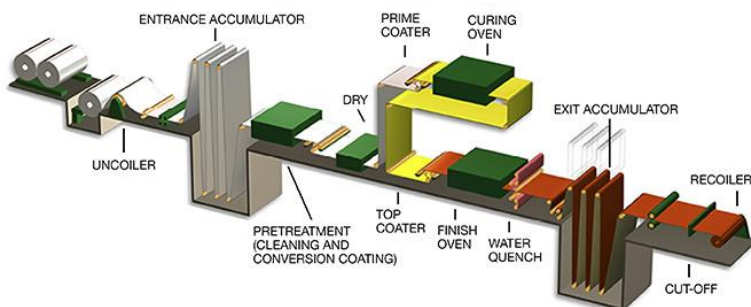
Technical Data:

Coating	POLYESTER	PVDF
Item	Technical requirements	Technical requirements
Thickness of coating film	$\geq 18 \mu\text{m}$	$\geq 25 \mu\text{m}$
Gloss deviation	gloss <70 , tolerance $\leq 10\%$	gloss <70 , tolerance $\leq 10\%$
	gloss ≥ 70 , tolerance $\leq 5\%$	gloss ≥ 70 , tolerance $\leq 5\%$
Hardness of pencil	$\geq 3\text{H}$	$\geq 3\text{H}$
Adhesion	no lower than class 1	no lower than class 1
Flexibility	$\leq 2\text{T}$	$\leq 2\text{T}$
Boiling water resistance	no change (2h)	no change (2h)
Color difference	$\Delta E \leq 2.0$	$\Delta E \leq 2.0$
MEK	≥ 100 times	≥ 150 times

Structure of Coated Aluminium Sheet:



Process of Coating Aluminum





Advantages of Coated Aluminum Sheets:

Good Flatness

There is no composite high temperature indentation on the surface of the coated aluminum sheet, no residual stress on the plate surface, and no deformation after shearing.

Strong Mechanical Properties

Coated aluminum sheets will not bend, deform, or expand in harsh environments under the influence of wind pressure, temperature, humidity, and other factors.

Good Decorativeness

Coated aluminum sheets have strong coloring power and can be customized in color and pattern according to the building style. It can be coated with wood grain and marble grain to increase the beauty of the building.

Excellent Durability

Coated aluminum sheets have good durability and strong paint adhesion. Usually PE paint can be used for more than 15 years, and PVDF coating can be used for more than 30 years.

Weather Resistance

The coating of coated aluminum coils processed by roller coating and baking at high temperatures is less affected by the weather and environment, has high gloss retention, good color stability, and minimal color difference changes.

Environment-Friendly

Coated aluminum coils have good acid and alkali resistance are not easy to corrode and produce toxic bacteria, and do not release any toxic gases, which has little impact on the environment.

Applications of Coated Aluminium Sheets:

External applications

Exterior cladding, exterior walls, roofs and canopies, tunnels, column covers or renovations

Interior applications

Wall cladding (laminate), ceilings, bathrooms, kitchens and balconies

Advertising and marketing applications

Display platforms, signboards, billboards and store fronts

Transportation and industrial applications

Manufacture of van type truck casings and cavities, car body panels, train body panels, ship car interior panels, traffic safety facility signboards, car license plate, solar reflective panels, etc.

Packaging:

- 1) LCL by wooden pallet package, fumigation wooden pallet is available
- 2) FCL by wooden pallet package loaded in the container
- 3) FCL in bulk loaded in the container
- 4) Customized package according to your demands

Shipping:

7-15 days after receipt of payment(depend on order quantity)