



Color Coated Aluminium Sheet



Color coated aluminum sheets are specially coated aluminum products with various excellent properties and wide applications. They are made from color coated aluminum coils through longitudinal slitting or transverse cutting, meeting the needs of different clients and industries.

Colour coated aluminium sheets are a versatile and practical solution for a wide range of applications, combining aesthetic appeal with durability and performance. Whether for architectural projects, signage, or industrial uses, they offer a reliable option for those looking for lightweight and attractive materials.

Specification of Color Coated Aluminum Sheet:

Alloy	1050, 1060, 1070, 1100, 3003, 5052, 5052, 5005, 5006, 5052, 5754, 5182
Thickness	0.2-1.5mm
Width	10-1800mm
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, Foil
Applications	Roofing System and Ceiling Decoration
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 of Color Coated Aluminium Sheet:

- PE(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

FEVE: 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	$\geq 3H$	$\geq 3H$
Adhesion	no lower than class 1	no lower than class 1
Flexibility	$\leq 2T$	$\leq 2T$
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

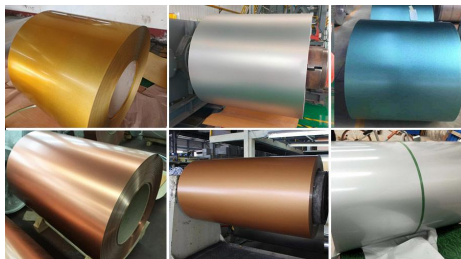
Color Options of Colour Coated Aluminium Sheet:

Standard Colors



The standard color of color coated aluminum sheet is modulated according to the RAL color card. The basic colors are red, yellow, blue, green, white, gray and other colors and their derivative colors, which are suitable for most conventional applications.

Metallic Colors



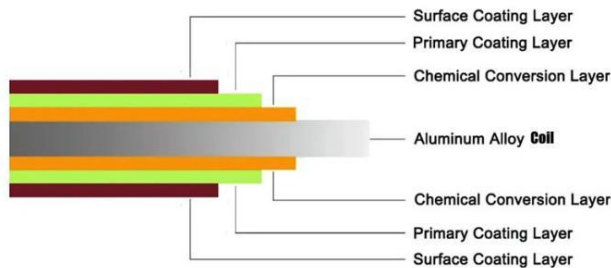
The Metallic color of color coated aluminum sheet simulate metal textures, such as silver gray, bronze, rose gold, etc., which add a sense of luxury and class to the product and are often used in high-end architectural decoration.

Printing Series

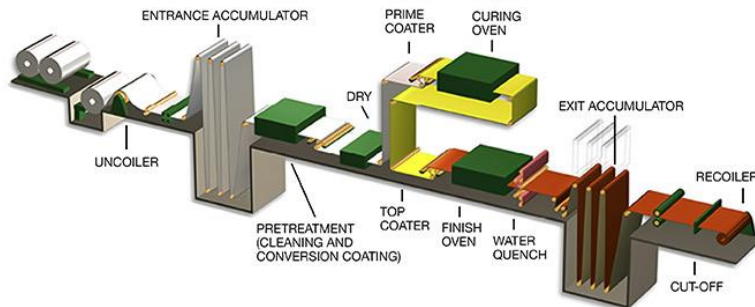


The printing series achieve natural texture effects such as wood grain and stone grain through special coating technology, providing more diversified choices for architectural design, esuitable for places that pursue natural and environmental protection concepts.

Structure of Color Coated Aluminium Sheets



Process of Coil Coating



1000 Vs 3000 Vs 5000 Series Color Coated Aluminum Sheet

Model	1000 Series Color Coated Aluminum Sheet	3000 Series Color Coated Aluminum Sheet	5000 Series Color Coated Aluminum Sheet
Main Composition	High-Purity Aluminum (≥99%)	Al-Mn Alloy	Al-Mg Alloy
Strength	Relatively Low, Easy To Form	Medium Strength, Better Impact Resistance	High Strength, Excellent Tensile Properties



Corrosion Resistance	Good, Suitable For General Environments	Better, Suitable For Outdoor And Humid Conditions	Excellent, Ideal For Marine And High Salt-Spray Environments
Workability	Easy To Process, Great Ductility	Good Workability	Good Workability
Cost	Low-Economical Option	Medium-Good Cost-Performance Ratio	Higher-For Premium Applications
Typical Applications	Building Decoration, Packaging, Interior Use	Roofing Sheets, Wall Panels, Insulation Boards	Shipbuilding, Marine Projects, Transportation, Industrial Structures
Surface Finish & Coating Compatibility	• Good Surface Smoothness • Suitable For Basic PE Coating	• Better Coating Adhesion • Compatible With PE Coating • Compatible With PVDF Coating	• Excellent Surface Stability • Ideal For High-End PVDF Coating • Suitable For FEVE Coating
Weather / UV Resistance	• Suitable For Indoor Use • Suitable For Mild Outdoor Conditions	• Suitable For Long-Term Outdoor Use • Resistant To Humid Environments	• Excellent For Extreme Climates • Suitable For Marine Environments • Resistant To Industrial Pollution
Service Life	• Short To Medium Term	• Medium To Long Term • Approx. 10–15 Years	• Long-Lasting Durability • 20+ Years Of Performance

Advantages of Color Coated Aluminium Sheet:

- Durability:

The color coated finish is often more durable than post-painted surfaces, as it is baked on and adheres well to the aluminum, providing resistance to scratches, corrosion, and UV degradation.

- Aesthetic Variety:

Color coated aluminum sheet comes in a wide range of colors and finishes, including matte, gloss, and textured surfaces, allowing for greater design flexibility.

- Cost-Effectiveness:

Color coating reduces the need for additional painting processes after fabrication, which can save time and labor costs.



- Environmental Considerations:

Many colour coated aluminum sheet products utilize eco-friendly coatings and processes, which can lead to lower VOC emissions compared to traditional painting methods.

- Maintenance:

Color coated surfaces are generally easier to clean and maintain compared to uncoated or post-painted surfaces.

Applications of Color Coated Aluminium Sheets:

- Architectural Facades:

Many modern buildings incorporate color coated aluminum sheet for decorative and functional facade cladding due to their durability and design flexibility.

- Interior Design Elements:

From ceiling tiles to wall panels, the attractive finishes complement many interior styles, offering aesthetic advantages.

- Transportation:

In elements of road vehicles, from bodywork to trailers, the lightweight characteristics contribute to fuel efficiency without sacrificing structural integrity.

- Consumer Products:

Items like signboards, appliances, and furniture often utilize color coated aluminum for its combination of form, function, and finish.

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)

