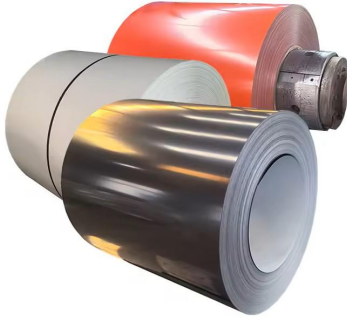




Color Coated Aluminum Coil



Color coated aluminum coils are aluminum products that have been coated with a layer of paint or color finish. This process not only enhances the aesthetic appeal of the aluminum but also provides protection against corrosion, UV rays, and other environmental factors.

Available in a diverse range of colors, textures, and finishes, the colored coating offers versatility in design, catering to various architectural and decorative needs. Widely utilized in construction materials, automotive parts, electronic appliances, and other applications, these coated aluminum

rolls are favored for their durability, resistance to weathering, and ease of upkeep.

Specification of Color Coated Aluminum Coil:

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 Coil:

- 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	$\geq 3\text{H}$	$\geq 3\text{H}$
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

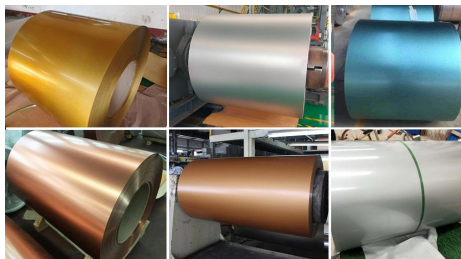
Color Options of Colour Coated Aluminium Coil:

Standard Colors



The standard color of color coated aluminum coil 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 coil 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

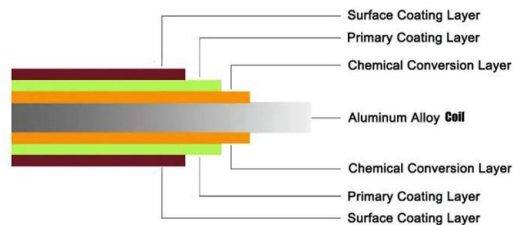


The printing series achieve natural texture effects such as wood grain and stone grain through special coating technology, providing more diversified choices for

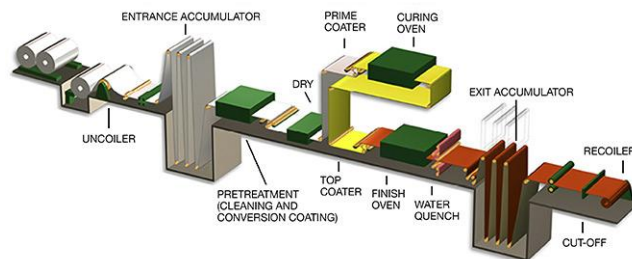


architectural design, esuitable for places that pursue natural and environmental protection concepts.

Structure of Color Coated Aluminium Coils



Process of Coil Coating



1000 Vs 3000 Vs 5000 Series Color Coated Aluminum Coil

Model	1000 Series Color Coated Aluminum Coil	3000 Series Color Coated Aluminum Coil	5000 Series Color Coated Aluminum Coil
Main Composition	High-Purity Aluminum ($\geq 99\%$)	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	Higher-For Premium



		Cost-Performance Ratio	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 Aluminum Coil:

Good Flatness

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

Strong Mechanical Properties

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

Good Decorativeness

Color coated aluminium coils 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

Color coated aluminum coils 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 color 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

Colour 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. In addition, aluminum is 100% recyclable and has high recycling value.

Applications of Color Coated Aluminium Coils:

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, industrial plants, radiators, air conditioners, 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)

