



Painted Aluminum Coil



Painted aluminum coils are typically made from high-quality aluminum alloy, and coated with a layer of paint and is rolled into a coil form, which provides strength and flexibility. The same as painted aluminum sheet, they are produced by painting process, include methods like coil coating, where the paint is applied in a continuous process before the aluminum coil is cut into sheets or used directly.

Specification of Painted Aluminum Coil:

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, Foil
Coil Weight	3-8 MT
Applications	Roofing System and Ceiling Decoration
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;

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

Standard Color

The standard color of painted 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

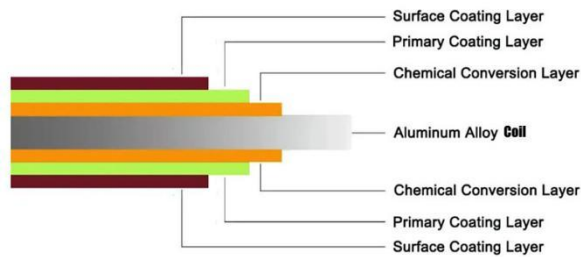
The Metallic color of painted aluminum coil simulate metal textures, such as silver gray, bronze, rose gold, etc., which add a sense of luxury and class to the product and are often used in high-end architectural decoration.

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, suitable for places that pursue natural and environmental protection concepts.

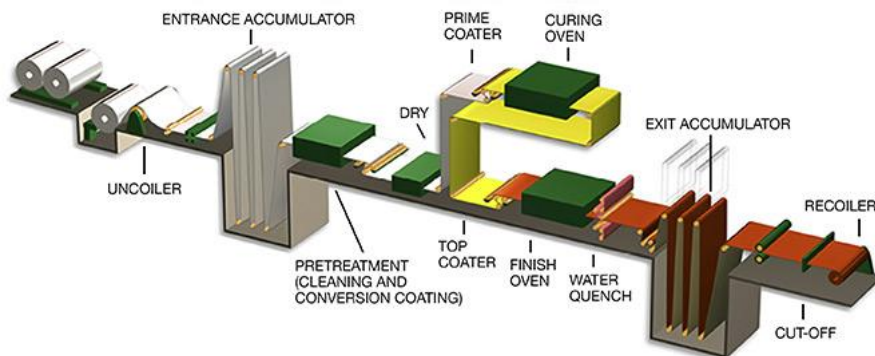


Structure of Painted Aluminium Coil



Process of Coil Coating

Coil coating is a continuous, automated process for coating metal before fabrication into end products. The steel or aluminum substrate is delivered in coil form from the rolling mills. The metal coil is positioned at the beginning of the coating line, and in one continuous process, the coil is unwound, pre-cleaned, pre-treated, pre-primed, and prepainted before being recoiled on the other end and packaged for shipment.



Advantages of Painted Aluminum Coil:

- High Durability: Our painted aluminum coils are corrosion-resistant, ensuring a longer lifespan.
- Aesthetic Appeal: The wide range of colors and finishes enhances the visual appeal of your products.
- Environmental Friendly: Our products are eco-friendly and can be recycled.
- Easy Maintenance: Minimal maintenance is required to keep the painted aluminum coils in top condition.
- Customization: We offer customized solutions to meet specific project requirements.



Applications of Painted Aluminium Coils:

Architectural Cladding

Painted aluminum coil with PVDF coating are for walls and buildings, enhancing their durability against weather conditions and environmental damage.

Roofing Systems

High-quality aluminum with PVDF coating is ideal for roofing. It offers robust UV resistance, ensuring durability, safety, and strength for outdoor structures.

Signage and Display Panels

Painted aluminum coils are perfect for signs and display boards. Their unique finish combines aesthetics with strength, making them stand out.

Exterior Curtain Walls

In modern architecture, painted aluminum coil are commonly used for exterior curtain walls, providing protection while maintaining the building's aesthetic appeal.

Interior Wall Panels

Painted aluminum coils are also suitable for interior projects. They are durable and beautifully finished, complementing various home designs.

Ceiling Panels

Painted aluminum coils are excellent for ceiling panels in both residential and commercial buildings, offering a finish that resists soiling and fading.

Furniture Components

Lightweight and appealing, painted aluminum coils are ideal for manufacturing furniture for both indoor and outdoor use.

Electronic Appliances

Painted aluminum coils are widely used in electronics and household appliances due to their corrosion resistance, combining functionality with aesthetics.

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)



Web: www.coatedaluminum.ca

Email: sales@coatedaluminum.ca

