



Green Aluminum Sheet



Green aluminum sheets are composite metal materials featuring a green organic coating (such as fluorocarbon paint or polyester paint) applied to an aluminum substrate. The coating provides additional protection against scratches, corrosion, and UV radiation, extending the lifespan of the material. Their core characteristics combine the lightweight and high-strength properties of aluminum with the weather resistance, aesthetic appeal, and

environmental friendliness of the green coating.

Green coated aluminum sheets come in a range of shades, from light greens to deep, dark greens, allowing for flexibility in design. Whether for architectural, industrial, or decorative uses, they provide a sustainable and stylish solution.

Specification of Green Aluminum Sheet:

Alloy	1050, 1060, 1070, 1100, 3003, 3004, 3105, 5005, 5052, 5754, 5182, 6061, 8011
Thickness	0.2-1.5mm
Width	30-1800mm
Coating Surface	PVDF/ PE/HDPE/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
Applications	Building, Decoration, Transportation, Signage, Electronics, Etc
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)



Color Options of Green Aluminium Sheet:

Green coated aluminum sheets are available in various RAL codes.

RAL 6000 - Patina Green

RAL 6001 - Paley Green

RAL 6002 - Leaf Green

RAL 6003 - Olive Green

RAL 6004 - Blue Green

RAL 6005 - Moss Green

RAL 6007 - Bottle Green

Coating Options of Green Aluminum Sheet Metal:

- 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:

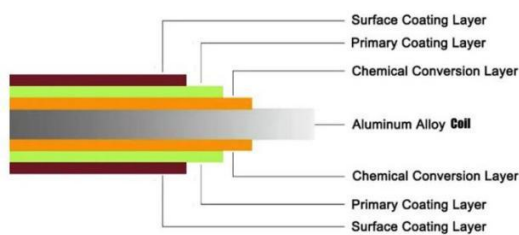
Regular PE: 3-5 years;

High Performance PE: 6-9 years;

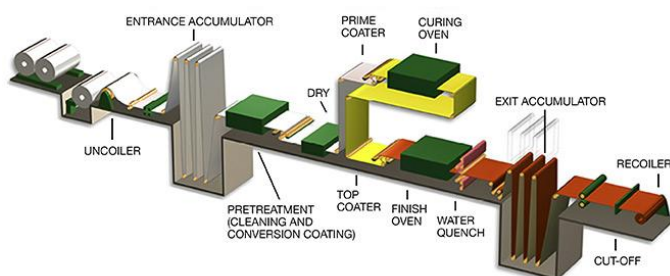
PVDF: 15 years;

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

Structure of Green Coated Aluminum Sheets:



Process of Aluminum Coil Coating



**1. Surface Preparation:**

The aluminum sheet is cleaned and treated to ensure proper adhesion of the coating material.

2. Primer Application:

A primer layer is applied to enhance adhesion between the aluminum substrate and the topcoat.

3. Color Coating:

The desired color or resin is applied to the primed aluminum sheet using techniques such as roller coating, spray coating, or coil coating.

4. Curing:

The green coated aluminum sheet is then cured at high temperatures to ensure proper bonding and curing of the coating layers.

Advantages of Green Aluminium Sheet:**Aesthetic Appeal:**

Green-coated aluminum sheets provide a visually appealing finish that can enhance the architectural beauty of buildings and structures. They come in various shades of green, allowing for design flexibility.

Durability:

Aluminum is naturally resistant to corrosion, and when coated, it gains additional protection against environmental factors, ensuring a longer lifespan.

Lightweight:

Aluminum is a lightweight material, making it easier to handle and install compared to other materials, such as steel.

Sustainability:

Aluminum is recyclable, and many green coatings are made with eco-friendly materials. This aligns with sustainable building practices and reduces environmental impact.

Low Maintenance:

The coated surface is easy to clean and maintain, requiring less frequent upkeep compared to uncoated or other materials.

Thermal Efficiency:

Aluminum has good thermal conductivity, which can contribute to energy efficiency in buildings when used in roofing and cladding applications.

Versatility:

It can be easily fabricated into various shapes and sizes, allowing for a wide range of architectural designs.

Applications of Green Painted Aluminum Sheets:**Architectural Cladding:**

Green aluminum sheets are often used for exterior cladding of buildings, providing both aesthetic appeal and protection from the elements.

Roofing:

They can be used in roofing systems, offering durability and a unique appearance while reflecting heat and helping with energy efficiency.



Web: www.coatedaluminum.ca

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Signage:

Green-coated aluminum is a popular choice for outdoor signs, as it is weather-resistant and maintains its color over time.

Interior Design:

Used in interior applications such as wall panels, decorative accents, and fixtures, providing a modern and stylish look.

Automotive:

In some automotive applications, green aluminum sheets can be used for body panels and trim.

Furniture:

Green coated aluminum is sometimes used in the production of modern outdoor furniture, combining durability with aesthetic appeal.

Industrial Applications:

Used in various industrial settings for equipment housings, storage solutions, and more, where a durable, corrosion-resistant finish is required.

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)