



1050 Painted Aluminum Coil

1050 painted aluminum coil refers to a 1050 aluminum alloy coil that has been coated with a protective or decorative layer. It is part of the 1000 series of aluminum alloys, which are known for their excellent corrosion resistance, high thermal and electrical conductivity and good workability. The coating can enhance the material's properties, such as corrosion resistance, UV resistance, and aesthetic appeal. The 1050 aluminum alloy, as mentioned earlier, has a high purity level (99.5% aluminum), making it suitable for various applications.



Specification:

Alloy	1050, 1060, 1070, 1100, 3003, 3004, 3105, 5005, 5006, 5052, 5754, 5182
Thickness	0.2-1.5mm
Width	600-1500mm
Coating Surface	PVDF/ PE/HDPE/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
Certifications	ISO9001
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

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.



Chemical Composition

Alloy	Si	Cu	Fe	Mg	Zn	Mn	Ti	V	Al
1050	0.25	0.05	0.000~0.400	0.05	0.05	0.05	0.03	0.05	99.5

Mechanical Properties

Alloy & Temper	Tensile Strength(M/PA)	Yield Strength(M/PA)	Elongation(%)	Hardness(HBS)
1050 H24	95~130	75	6	/

Physical Properties

Density	Melting Point	Thermal Conductivity	Electrical Conductivity	Thermal Expansion Coefficient
2.7 g/cm ³	643–657°C	205 W/m·K	61% IACS	23.1×10 ⁻⁶ /°C (20–100°C)

Standards and Specifications

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

Advantages

Ultra-High Purity

Reduces the risk of contamination in sensitive applications (e.g., food, pharmaceuticals).

Exceptional Formability

Ability to undergo significant deformation during manufacturing without cracking.

Cost-Effective

Lower production cost compared to higher-strength alloys due to simple processing.

Recyclability

100% recyclable with minimal property loss, supporting sustainability.

Common Applications:

Building and Construction: Used for facades, roofing, and interior wall panels.

Electrical Applications: Cables and other components that require both conductivity and protection.

Automotive Parts: Lightweight components that benefit from corrosion resistance and aesthetics.

Signage and Displays: Durable and visually appealing surfaces for outdoor and indoor signs.

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)