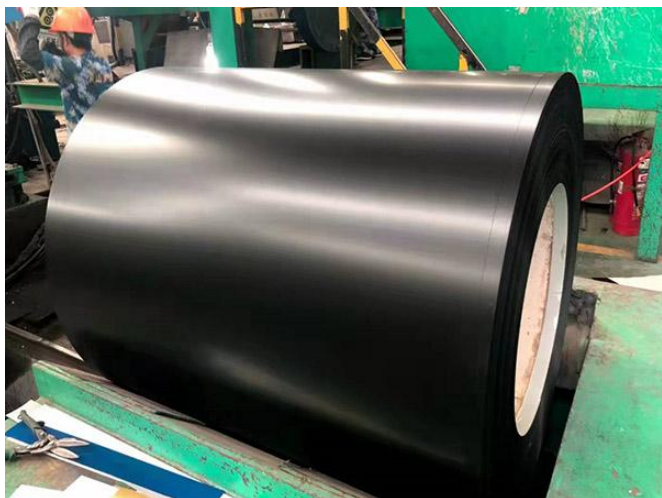




3004 Prepainted Aluminum Coil



3004 prepainted aluminum coil, an Al-Mg-Mn alloy, is 3000 series aluminum product known for its strength, durability and aesthetic appeal.

3004 color coated aluminum coil has a high tensile strength, good corrosion resistance, and is easy to work with. Its surface has a beautiful, long-lasting color that's resistant to fading, making it a popular choice for construction, and its eco-friendliness adds to its appeal.

3004 coated aluminum coil is suitable for parts that require higher strength than 3003 coated aluminum coil, and has good formability, welding and corrosion resistance.

Specification of 3004 Prepainted Aluminum Coil:

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/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
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.

Warrantly:

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

Properties of 3004 Color coated Aluminum Coil:

Chemical Composition:

Element	Aluminum (Al)	Manganese(Mn)	Mg	Silicon (Si)	Iron (Fe)	Cooper(Cu)	Zinc(Zn)	Other Elements	Total Impurities
Content (%)	97.0-98.5	1.0-1.5	0.8-1.3	≤ 0.3	≤ 0.7	≤ 0.25	≤ 0.25	≤ 0.05	≤ 0.15

Mechanical Properties:

Tensile Strength: Typically ranges from 185-300 MPa, providing a good balance of strength and ductility.

Yield Strength: Approximately 150 MPa, which is higher than that of the 3003 alloy, giving it better formability.

Elongation: The alloy has good elongation properties, making it easy to form into various shapes without cracking.

Advantages of 3004 Painted Aluminum Coil:

Exceptional Durability: High-performance PVDF coating resists fading, chalking, and corrosion for decades, even in harsh weather.

Wide Range of Aesthetics: Available in a vast spectrum of standard and custom colors and finishes (metallic, matte, woodgrain) for any design.

Proven Compliance: Manufactured to meet key North American standards (ASTM, CSA, AAMA 2605) for guaranteed performance.

Lightweight & Strong: Provides structural integrity while being easy to handle and install, reducing overall costs.

Low Maintenance & Long-Lasting: Stands up to the elements, requiring minimal upkeep over its long service life.

Applications of 3004 Coated Aluminum Coil:

- **Construction:** Commonly used for roofing, wall cladding, and facade systems in both residential and commercial



buildings.

- Automotive: Utilized in vehicle interiors, exteriors, and components due to their lightweight and corrosion-resistant properties.
- Appliances: Found in household appliances such as refrigerators, ovens, and washing machines.
- Signage: Ideal for producing vibrant and durable outdoor and indoor signs.
- Furniture: Used in modern furniture designs for tables, cabinets, and shelving.
- Packaging: Employed in packaging applications, particularly in food and beverage industries.



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)

