

Aluminum Coil Manufacturer, Coated Aluminum Coil Supplier, Coated Aluminum Coil Factory, Coated Aluminum Coil Exporter in china.

Coated Aluminum Coil



Detailed Product Description

Classification

IBOND color coated aluminum coils adopt the famous brand draw materials. It includes several classifications.

PE (polyester) Coating Coil

PE (polyester) coating: high molecular polymer as monomer and addition of alkyd, is an UV-resistant coating. It can be classified matt and glossy according to coating gloss. The compact molecule structure, makes paint surface luster and smooth, which assure good printing on the panel surface. With a warranty of 8-10 years for weather resistance, it is specially applied for internal decoration and sign board.

PVDF (fluorine-carbon) Coating Coil

PVDF (fluorine-carbon) coating: made of fluorine carbon resin, pigment, ester solvent, after high temperature roasting and baking, the paint is solidified to dry film with super weather resistance. PVDF coating also can be classified as traditional PVDF and nanometer PVDF coating.

A. Traditional PVDF Coating, with KYNAR500 PVDF, two or three times for coating and baking, has good properties of anti-acid, anti-alkali and is durable in atrocious weather and environment, keeping 15 years no unwonted fading. In view of these facts, we recommend this panel applied for external wall cladding.

B. Nanometer PVDF Coating, which different with traditional PVDF is the clear coating. It contains nanometer element, which can protect panel from pollution, Because nanometer has self-cleaning effect, It easy to get rid of dust and pollution by raining or water.

Chameleon Colors Coating Coil

Add pearl talc into PVDF paint (>70% PVDF), depending upon the pigment type and viewing angle, different wavelengths of light are reflected, refracted and diffracted to the audience resulting in an ever-changing color gradient with iridescent highlights. It is widely used for public internal and external, multiple shops, exhibitions and so on.

Special Colors Coating Coil

Two colors in one sheet. We renew the coating system and technology and break the national single color to appear two different colors in same panel, it offers more, more imagine and creativity.

Features

- 1、Adopting no-chrome formation introduced from American General Company (GE) and precision rolling coating technology, ensure excellent adhesive, without coating omission.
- 2、Various colors for your choice
- 3、Infrared heating technology protect environment from pollution.
- 4、Four-roll coating line, uniform coating thickness and good features.

Raw Material

- 1、Aluminium coil: high strength aluminum with alloy of AA1100 (aluminium alloy is available with AA3003, AA3005, AA5005 according to customer)

2、 Surface paint: PE,PVDF and Special paints.

Specification

Width: 1000-1590mm,
thickness: 0.18-0.50mm(±0.02mm)
External diameter ≤ 1200mm
Internal diameter: 405mm,505mm
Coil weight ≤ 3000kg

parameters of PVDF Coating

PVDF (KANAR500 PVDF>70%)

Item	Result	Test standard
Coating thicknesss	≥ 25 μm	ISO 2360 (CNS 8406)
Pencil Hardness	≥ 1H	ASTM D3363
Color Retention	Aging resistance test 4000 hours, maximum 5 units	ASTM D2244
Glossr Retention	Aging resistance test 4000 hours, 90%	ASTM D2244
Chalk resistanc	Aging resistance test 4000 hours, maximum 8 units	ASTM D659
Flexibility(T shape bending)	IT, no crack	ASTM D4145
Adhesiv	1mm×1mm, No peeled off	ASTM D3359
Impact resistance	No crack, no dropout	ASTM D2794
Friction resistance	64.6 L/mil	ASTM D968
Salt spray resistance	3000 hours no change(5%NaCL,35℃)	ASTM D117
Humidity resistance	3000 hours no change(100RH35℃)	ASTM D714
Mortar Resistance	No change	ASTM D605
Acid-resistance and alkali-resistance	No change	ASTM D1308
Solvent resistanc	No change MEK 100times	ASTM D2248

Package



Wood plate for the bottom, PE plastic film for internal package, and cardboard for external package, the width of cardboard is near to the same of coil.

Application

It can be used for aluminum composite panel, ceiling, door and windows, electric appliance.

Contact us

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