



COLOR COATED Aluminium coil



SHANDONG JINHU ALUMINIUM GROUP

Linyi Jinhua Color Coating Aluminium Industry Co., Ltd

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LINYI JINHU COLOR COATING ALUMINIUM INDUSTRY CO., LTD

ABOUT US

JINHU COATED ALUMINIUM GROUP ISO9001:2008 CERTIFIED FACTORY

Shandong Jinhu Aluminium Group consists of 4 factories

- Linyi Jinhu Color Coating Aluminium Industry Co., Ltd
- Shandong Golden Sunshine Building Materials Co., Ltd
- Shandong Baisheng Metal Technology Co., Ltd
- Shandong Guangxiang Building Material Co., Ltd

Established in 2003,Shandong Jinhu Aluminium Group is the industry leaders in the production of building materials and strive to become a leading enterprise in the industry of metal decorative building materials in China.

With 16 years of experience in the industry,continuous R&D and meticulous application of quality control procedures in all stages of our production make Shandong Jinhu Aluminium Group the best choice for you.



COMPANY INTRODUCTION

Linyi Jinhu Color Coating Aluminum Industry Co.,Ltd is one of the subsidiaries of Shandong Jinhu Aluminum Group, located in the National High-Tech Zone,Linyi City, Shandong province, China. The company was established in 2003, with a registered capital of RMB 10000,000, total investment around RMB 450 million. The company is a large enterprise with integration of trading and manufacture.

The company has 16 high-speed fully automatic production lines of Color Coated Aluminum Coil, product thickness covers 0.016-1.5mm, max width 2100mm, with coating of PVDF, FEVE, brush, mirror, wood, marble, etc. 0.016-0.50mm coils mainly applied in ACP, sun louver, ceiling, etc.0.50-1.50mm mainly used in roofing, ceiling, sun louver, etc.The Company have more than 20 sets of back-roll lines, embossment machines, dividing and cutting machine, decoiler machine and other production equipments, could offer various deep-processing such as dividing, embossing, cutting,decoiling and so on. The Company has 16 years experiences, possesses high capacity, various specifications and advanced production technology, and export the products to more than 40 countries and areas, in which it takes over 20% of the market share in Malaysia, India, Vietnam, West Africa, Mid-East, Central Asia and other countries and areas.

Leading the future with strength,every year the company produces over 150,000 tons of Coated Aluminum Coils, in which, Coated Aluminum Coils ranks in the leading place of the industry. We have strict control system in choosing raw materials,have established long term cooperation with international brand painting suppliers like PPG and Becker, and have famous aluminum suppliers such as Southwest Aluminum, Centone, GKO etc.Fully equipped with test machines, including precision colorimeters and Coating Thickness testers from Japan, the company adheres to meet requirements of customers with higher quality standard than national standard,took the lead to pass ISO9001:2008, SONCAP,and TUV certifying,and possess 14 national patent, including 1 patent for invention.



ABOUT US



2019

In 2019, Glod Sunshine has a new stone coated Metal roofing tile production line.

2016

In 2016, Co-organized the China Aluminum-plastic Composite Materials Association annual conference.

2015

In 2015, the company's exports ranked the third in Linyi City.

2012

In 2012, the exports amounted to 41 million dollars, the color stone coated metal roof tile project was built and put into production.

2008

In 2008, the fourth double-coating production line was established, the Foreign Trade Department participated in Canton Fair and visited Vietnam.

2003

On June 25, 2003, the company was founded and the first color aluminum coating production line was established.

2016

In 2016, Shandong Suncity Metal Technology Co., Ltd was established.

2015

In 2015, Shandong Golden Sunshine Building Materials Co., Ltd was established.

2014

In 2014, the company was approved national high-tech enterprise.

2010

In 2010, the company won the "people-enriching and town-strengthening contribution award" of Machanghu Town.

2007

In 2007, the Foreign Trade Department was set up.

Production Capability

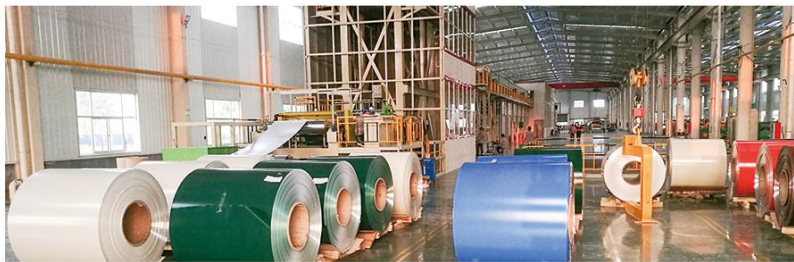
Production Capacity for Coated Aluminium Coils

-Production Lines:16 high-speed fully automatic production lines.

-Annual Capacity:150,000 tons.



Charging



Producing



Rolling up



Testing online



Color coating

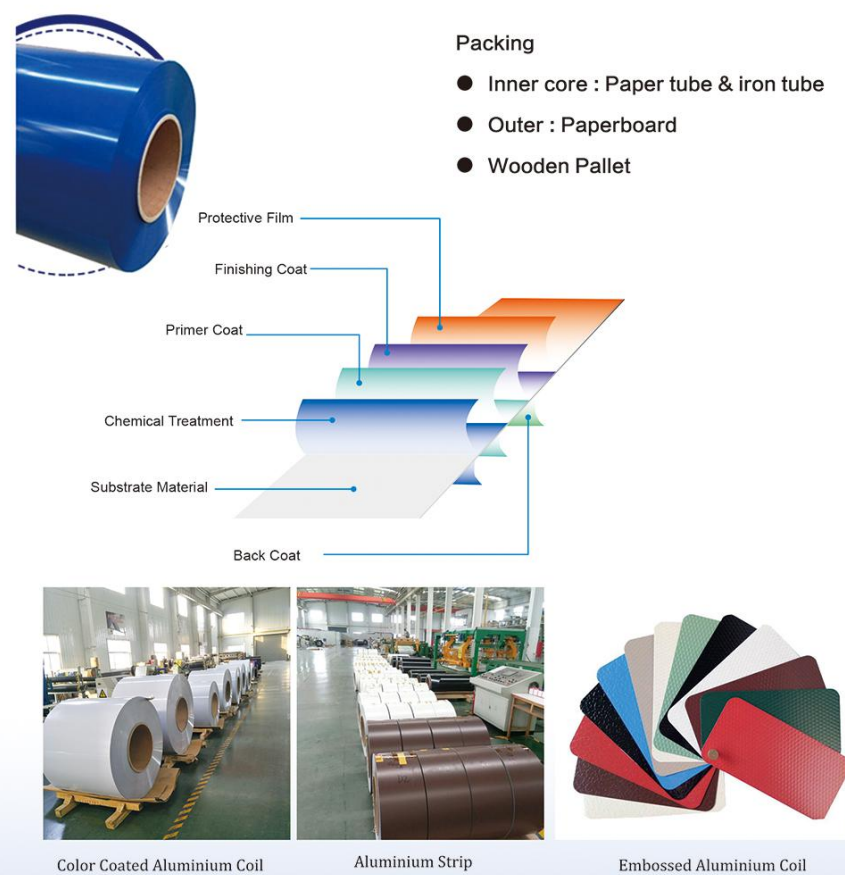


Production line

COLOR COATED ALUMINIUM FOIL&COIL

COLOR COATED ALUMINIUM COIL

Color coated aluminum coil, as its name suggests, is the product after coloring the surface coating of aluminum plate or aluminum roll, mainly include FEVE(fluoroethylene vinyl ether), PVDF(fluorine-carbon),HDPE(high density polyethylene),PE(polyester) color coated aluminum coil.



PRODUCT RANGE & SPECIFICATION

PVDF paint aluminium coil

Aluminium Alloy	AA1100,AA3003,AA3004,AA3105,AA5005,AA8011,etc
Coil thickness	0.18mm-1.5mm
Coil width	50-2000mm,standard 1240mm
Coil weight	1.0 to 5.0 tons per coil
Coating thickness	>=26 microns
Diameter	405mm,505mm,508mm

Polyester paint aluminium coil

Aluminium Alloy	AA1100,AA3003,AA3005,AA3105,AA5005,AA8011,etc
Coil thickness	0.018mm-1.5mm
Coil width	50-2000mm,standard 1240mm
Coil weight	0.5 to 5.0 tons per coil
Coating thickness	8-26 microns
Diameter	150mm,405mm,505mm,508mm

Embossed aluminium coil

Aluminium Alloy	AA1100,AA3003,AA8011,etc
Coil thickness	0.16mm-0.7mm
Coil width	900-1300mm,standard 980mm,1000mm,1200mm
Coil weight	1.5 to 2.5 tons per coil
Pattern	Diamond embossed/Stucco embossed

COATING SERIES

POLYESTER COATING

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 an warranty of 8-10 years for weather resistance, it is specially applied for internal decoration and Sign board.



TECHNICAL DATA OF PE

Item	Test Item	>Standard	National standard	Test Result
1	Color Difference	>ECCA T3	$\Delta E \leq 2.0$	$\Delta E \leq 1.5$
2	Gloss Difference	>ECCA T2	≤ 10	≤ 5
3	Coating Thickness	>ECCA T1	Min 14 μ m	$\geq 16\mu$ m
4	Pencil Hardness	>ASTM D3363	\geq HB	HB
5	T-bend	>ASTM D4145	$\leq 3T$	$\leq 2T$
6	Adhesion	>ASTM D3359	Grade 0	Grade 0
7	Impact	>ASTM D2794	≥ 20 kg.cm	≥ 20 kg.cm
8	Boiling water Resistance	>GB/T17748	2h no change	2h no change
9	Solvent Resistance	>ASTM D2248	200 times paint remaining	200 times paint remaining
10	Salt Resistance	>ASTM B117	720 hrs \leq grade 1	720hrs \leq grade 1
11	Dirt Resistance	>GB/T9780	$\leq 5\%$	$\leq 5\%$
12	Color retaining		600hrs $\Delta E \leq 2.0$	$\Delta E \leq 2.0$
13	Gloss weaken Level	GB/T16259	600hrs \leq grade 2	600hrs \leq grade 2
14	Chalking		600hrs No Change	No Change

FEVE COATING

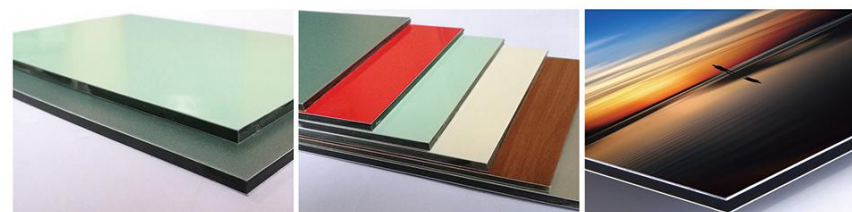
Which is a high quality paint for one or more coating,with polyurethane as base,fluor polymer as top coating to ensure its good weather resistance of 10 years.Compared with PVDF,it guarantees more fresh,vivid colors and high gloss retention.It's creativity and individuality offer unlimited possibilities for the designers.It's available in colors that are not feasible with other coating systems.

PVDF COATING

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 unwanted 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.



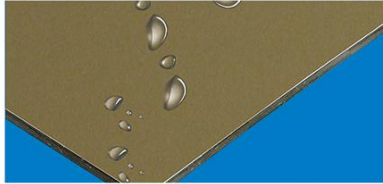
TECHNICAL DATA OF PVDF(KYNAR500 PVDF>70%)

Substrates	AA1100, 3003, 3004, 3105, 5005, 5052, 8011, etc
Thickness	0.18-1.5mm
Width	< 2000 mm
Coils core diameter	150mm ,405mm, 505mm, 508mm
Coating thickness	≥ 25 micron
Color standard	$\Delta E < 2$ or it is not obvious by eyeballing
Pencil hardness	> 2 HB
Coating adhesive	not lower than first grade Impact: no any crack (50kg/cm, ASTMD-2794: 1993)
Bend strength	> 100 times
Boiling point	no any distortion and color change (in the 99 more or less 1 degree water, then cooling 2 hours)
Corrosive	surface deep in the 5% muriatic acid and 5% NaCl, interior deepin the 2% muriatic acid and 2% NaCl, after 48 hours, no change

APPLICATION AREA

COLOR COATED ALUMINIUM FOIL&COIL FOR METAL COMPOSITE PANEL

ALUSHINE Aluminium Composite Panel



Nano-PVDF Aluminium Composite Panel



ACP exterior wall cladding



Signage Aluminium Composite Panel



Flat Printing Sign Panel



ACP For Interior Design

Coated Aluminium Specification

Item	Description
Alloy	AA1100, AA3003, etc
Thickness	0.018mm-0.5mm(included the coating pe film, tolerance: ± 0.02 mm)
Surface treatment	PE & PVDF & Nano-PVDF coating(PVDF26-28um/PE16-18um/ Nano-PVDF35-37um ± 1 um)
Color	RAL/PANTONG or as JINHU color chart or customized
Polyethylene core	non-toxicity LDPE

Fireproof Aluminium Composite Panel



Fireproof A2 Grade Aluminium Composite Panel



Fireproof B1 Grade Aluminium Composite Panel

Coated Aluminium Specification

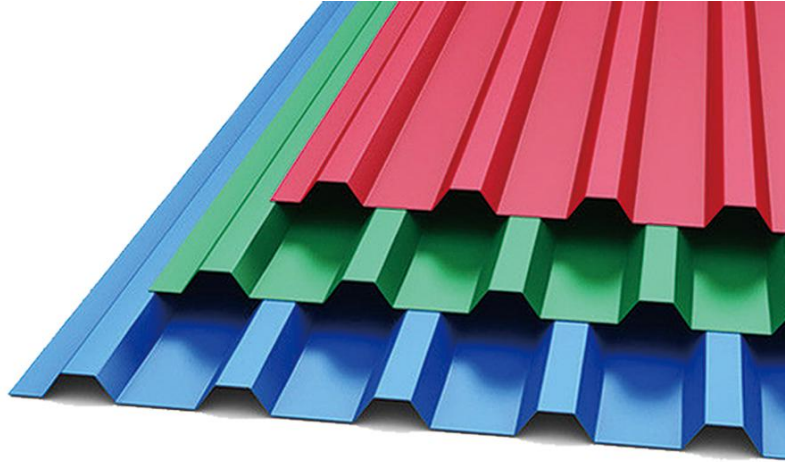
Item	Description
Alloy	AA1100, AA3003, etc
Thickness	0.018mm-0.5mm(included the coating pe film, tolerance: ± 0.02 mm)
Surface treatment	PE & PVDF coating(PVDF 26-28um/PE16-18um)
Color	RAL/PANTONG or as JINHU color chart or customized
Polyethylene core	fireproof non-toxicity LDPE(white or customized)

Aluminium Honeycomb Panel



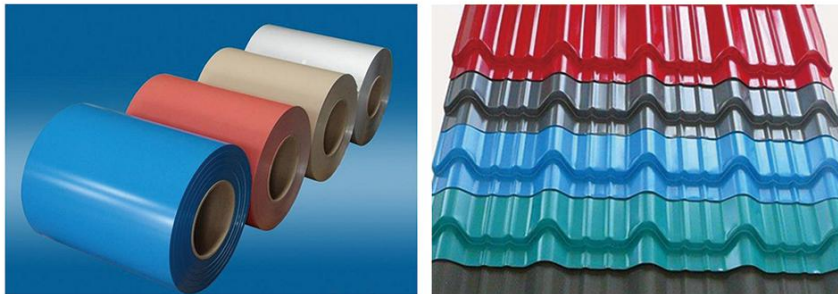
Coated Aluminium Specification

Item	Description
Alloy	AA1100, AA3003, AA3004, AA3105, etc
Thickness	0.4mm-1.5mm(included the coating pe film, tolerance: ± 0.02 mm)
Surface treatment	PE & PVDF coating(PVDF 26-28um/PE16-18um)
Color	RAL/PANTONG or as JINHU color chart or customized



FOR ROOFING SYSTEM

COLOR COATED ALUMINIUM COIL FOR ROOFING SYSTEM

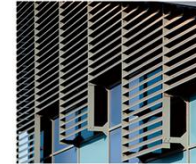


Coated Aluminium Specification

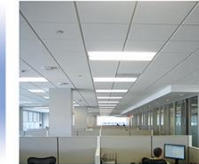
Item	Description
Alloy	AA1100, AA3003, etc
Thickness	0.8mm-1.5mm, also can customized up to you(included the coating pe film, tolerance:±0.02mm)
Surface treatment	PVDF/PE coating(PVDF 26-28um/PE16-18um)
Color	RAL/PANTONG or as JINHU color chart or customized

APPLICATION AREA

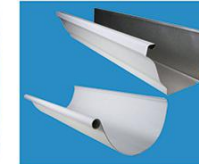
Color coated aluminum coil is widely used in the roofing and cladding system, ceiling system, curtain wall plate, shutter, gutter, composite panel, honeycomb panel, advertising sign and embossed aluminum coil.



For Sun Louver System



For Ceiling System



For Gutter System



For Home Appliances Board

Special sizes can be customized.

Colors	75 standard colors/customized colors/special colors.
Coating	PE(Polyester) HDPE(high density polyethylene) PVDF(fluorocarbon) FEVE(fluoroethylene vinyl ether)
Aluminium Alloy	other alloys/custom made/special sizes are available (subject to minimum order quality)

PROPERTY FOR	ALLOY	WIDTH	THICKNESS	SURFACE TREATMENT
ALUMINIUM COMPOSITE PANEL	AA1100, AA3003, AA5005	500-2000mm, standard 1240mm/1260mm/1270mm	0.018-0.50mm	PVDF/PE
ALUMINIUM ROOFING SYSTEM	AA1100, AA3003, AA3004, AA3105	1000mm/600mm/575mm, etc	>0.8mm, standard 0.8mm/0.88mm	PVDF/PE
SUN LOUVER SYSTEM	AA1100, AA3003, AA3004, AA3105	85-1600mm, standard 85mm	0.35mm/0.50mm, etc	PVDF/PE
ALUMINIUM CEILING SYSTEM	AA1100, AA3003, AA3015	110mm/135mm/145mm 185mm/235mm/371 625mm, etc	0.25-0.80mm	PVDF/PE
ALUMINIUM GUTTER SYSTEM	AA1100, AA3003	301.6mm/609.6mm/463.6mm, etc	0.28mm/0.30mm/0.32mm/0.38mm/0.49mm, etc	PVDF/PE
HOME APPLIANCES BOARD	AA1100, AA3003	1060mm/1120mm/1190mm/1240mm/1320mm, etc	0.28mm/0.31mm/0.32mm, etc	PVDF/PE

TEST EQUIPMENT&METHOD

Testing Equipment



Standard Light Source Lamp Box



Electric Blast Drying Box



Analytical Balance.



Film Impact Tester



Adhesion Tester



Film Hardness Tester

Environmental Testing Equipment



Digestion Device



Visible Spectrophotometer



Ion Meter

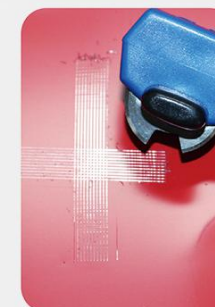


Chemical Oxygen Demand Meter

Testing Method



Coating flexibility test



Coating adhesion test



Coating hardness test



Boiling water resistance test

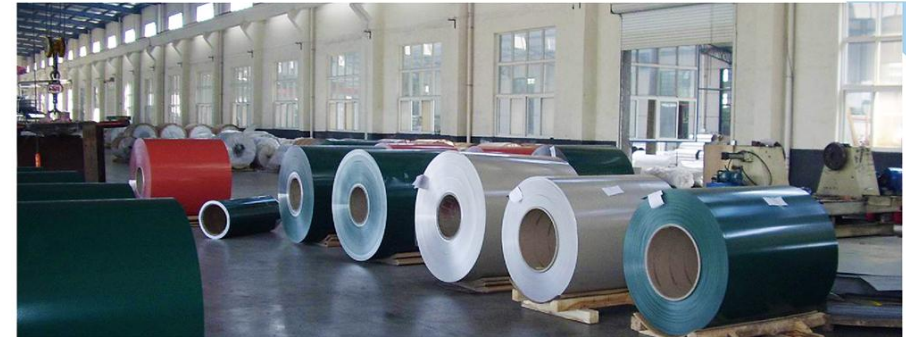


Solvent resistance test

CERTIFICATION



PACKING & LOADING



Dispatch Area



Packing

Loading

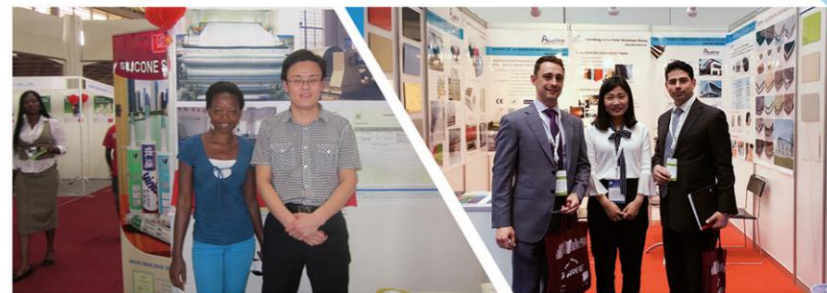
EXHIBITIONS & CUSTOMERS

Till now, our company has participated in Canton Fair 23 times since the autumn in 2004.



2004 Canton Fair

2010 Canton Fair



2012 Lagos International Trade Fair

2017 Qatar Building Material Exhibition



2013 Canton Fair

2016 Canton Fair



2017 Singapore Trade Fair

2018 Argentina Trade Fair



2018 Canton Fair

2019 Canton Fair



2019 Argentina Trade Fair

2019 Turkish Building Material Exhibition

2019 VIETBUILD HANOI