



ABOUT COMPANY

TOP BRAND IN HIGH-END COLOR COATED STEEL/ALUMINUM SHEET
 SHANDONG WOFENG NEW MATERIAL CO., LTD.

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PART 01

Two manufacturing bases

Two advanced processing lines in North & East of China, annual capacity could reach 100,000MT.

The first self-designed processing line in China

The processing line is 165 meters long. five accurate printers, two large-scale temperature regulating baking machines, six middle-sized temperature regulating baking machines, two vertical accumulators, six tension machines with 1000mm diameter rollers, one laminating machine with heating system are installed.



ABOUT US



Established in 2016, Shandong Wofeng New material co., Ltd is the controlled corporation of Jiangyin Wofeng Metallic Material co., Ltd in North of China. We are located in Laiwu Shandong which is famous for steel industry. The company focuses on R&D, manufacturing, processing and sale on high-end color coated steel sheet, laminated steel sheet, color coated aluminum sheet, sandwich panel. Covering an area of 34000 square meters, we now have over 100 workers, annual production capacity 20,000 Mt. Our products are mainly sold to EU, America, Australia, Russia, Middle-East, South- East Asia more than 40 countries and most areas of domestic China.

We have technicians which are the first batch worked in painting industry in China, own self-designed color coating processing line. we are the first factory using four-rollers printing technic & five color overprinting technic, optimized three-printing three-baking technology, can offer customized service, welcome friends worldwide to our factory for face to face communication.

DEVELOPMENT HISTORY

With ten years history, Wofeng were faced with increasingly high demand for quality and the challenge of competitiveness, during this time, we expanded, grew up and gained experience.

2008

Jiangyin Wofeng
Metallic Material co.,
Ltd establish

2009

Self designed the
first color coating
processing line

2010

Laminating
processing line was
put into service

2012

Jiangyin Wofeng
Metallic Plates Co.,
Ltd established

2014

Invented five color
overprinting
technology

2016

Shandong Wofeng
New Material Co.,
Ltd established

2017

Color coated
aluminum
processing line was
put into service

2018

Insulation decorative
board processing
line is going to be
put into service







EQUIPMENTS & TECHNOLOGY

Standard processing, Just for improving quality

Own advanced processing equipment & imported electronic-controlling system, developed five color overprinting technic with client in North Korea. GI GL substrates are from famous enterprises in China to ensure durability and good processability. High quality paint from domestic and abroad ensures durability of color on the surface, and enhances property of corrosion resistance and lengthens service life . After processing finished, various physical & chemical test are applied, such as T-bending, punching, salt spray, cupping test, aging, friction. all these strict inspection procedures get rid of the defective goods and guarantee top quality.

DESIGN EXPLOITATION



-  **Team:** The first batch of technicians working in color coated industries in China.
-  **Investment:** Million funds invested on R&D per year.
-  **Cooperation:** Long-term cooperation with Shanghai Material Research Institute.
-  **Achievement:** More than 500 patterns, five color overprinting technology, four-roller printing.

SERVICE ADVANTAGE

Customized processing, One-stop service,
Meet different requirements of customers

Perfect Customization

Own professional R&D team, offer self-identity service as per customer's requirements. help to build excellent projects.

Seamless Communication

Hotline 24/7 (two lines), solve the problems in the first time.

Processing & Delivery

Can meet the demand of different specifications & series customization.

perfect after-sale service

Designated manager & technician, multilateral service. Visit customer's needs regularly, solve problem may occur



PART 02

World-class Siemens electronic control system

Tension value, running speed, oven temperature and position will be collected by the Siemens electric control system to guarantee the processing line operate more steadily.

New generation of four-roller printer and self-aligned system

The printing precision can reach 0.2 mm, as accurate as the precision of the bill. Thus, the printers are able to create various patterns precisely, even to depict exquisite lines at the width of human hair. The model is realistic with distinct colors.



QUALITY ASSURANCE

■ **Strict Raw Material Control**

We cooperate with high-grade GI factories in China and leading paint supplier-PPG to ensure the good quality of products.

■ **Advanced Processing Technology**

We adopt domestic initiative three-coating & three baking, five-color overprinting technology. Applied self-alignment system to make sure zero discoloration of products.

■ **Strict Test**

Full set of laboratory test instruments and deviation rectifying instruments on processing line ensure strict control of each production process.

■ **Modern Packaging**

Automatic packaging equipments ensure quick and lossless package of products.





▶ WE PROTECT AND BEAUTIFL THE WORLD

Founded in 1883, PPG industrial company has a history of 135 years. Headquartered in Pittsburgh, USA, it has production bases and subsidiary bodies in more than 70 countries. With its leadership in innovation, color and sustainable development, PPG has maintained its position as the world's leading supplier of paint and special materials.

PPG industrial paint has always been known for its innovative, high-performance products and world-class service. It helps customers and their downstream partners, who come from industrial, transportation, consumer goods, construction and other fields, to improve the appearance of the products. Shandong wofeng new material co., ltd. has formed a strong cooperation with PPG industrial paint. With its quality products and perfect service, Wofeng will go further on the way to build the leading brand of high-end color coated coil.





PART 03

Max thickness : steel-1.5mm , aluminum-3.0mm


The thickness range for steel sheet is from 0.17 to 1.5 mm. And for aluminum sheet, the range is from 0.25 to 3.0 mm. The width can be as much as 1250mm.

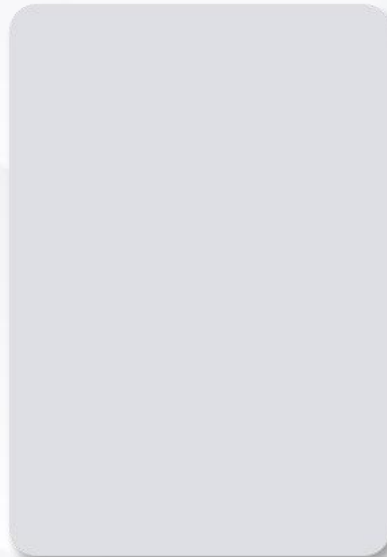
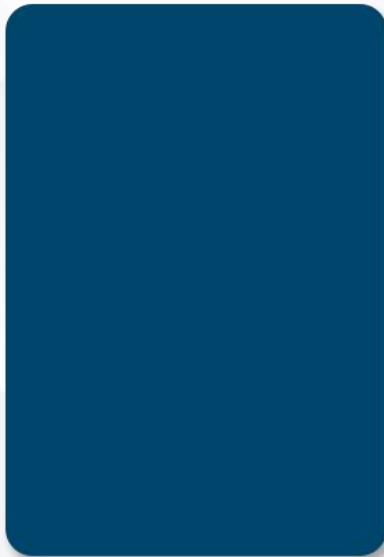
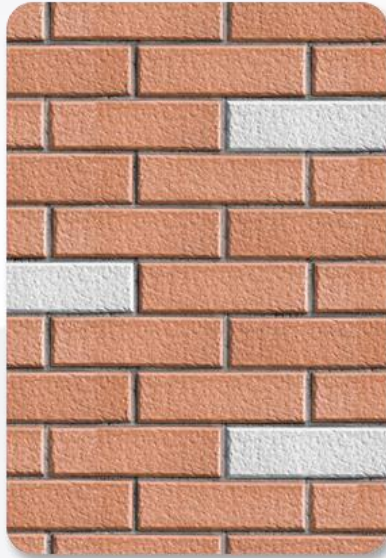
Strict “Three-coating & Three baking” technology

Compared with traditional technology “two-coating & two-baking”, this process can make coil surface more lighter and decorative. Meanwhile, the products get better anti-corrosion properties through development of the multiple layers. Therefore, the grain is clear, precise and have strong 3D effect while the coating has outstanding adhesion and high weather resistance.

COLOR COATED STEEL SHEET



SUBSTRATE	GUANZHOU 冠洲 					
PAINT	PPG AKZO NOBEL					
STANDARD	T bending: 0T--3T	Hardness: HB	Impact : ≥9J	Salt spray: ≥720hr	print pricison: 0.2mm	
CAPBILITY	thickness:0.17mm--1.5mm	customized zinc thickness, coating thickness	speed: 80m--100 m/min	600+ patterns	annual output: 100,000 ton	delivery time: within 15 days
TECHNOLOGY	three coating & three baking					
APPLICATION	wall panel、interior decoration、household appliance and other industries.					

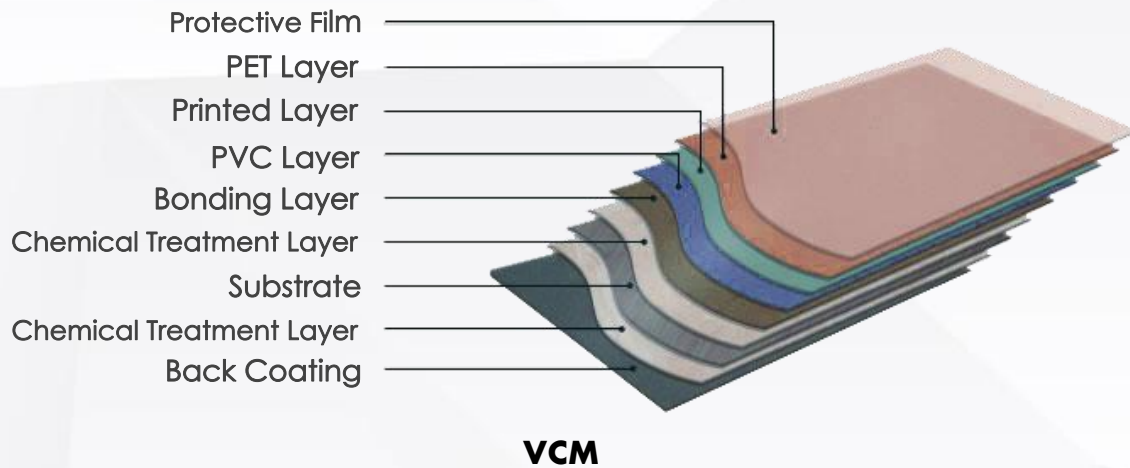


COLOR COATED ALUMINUM SHEET





TEST ITEMS	TEST STANDARD	TEST RESULT
coating thickness	≥25um	25um
gloss deviation	≤10 (gloss<70h) ≤5 (gloss ≥70h)	1.9
pencil hardness	≥HB	2H
T-bending	≤2T	2T
adhesion	≥1 degree	cross cut 1degree, circle cut1degree
impact resistance	50Kg.CM no peeling no crack	50Kg.CM no peeling no crack
abrasion resistance	≥5L/Um	7.8L/Um
boiling water resistance	unchanged	unchanged
stain resistance	≤15%	3.2%
acid stability	unchanged	unchanged
alkali stability	unchanged	unchanged
oil resistance	unchanged	unchanged
solvent resistance	unchanged	unchanged
brush resistance	≥10000 times unchanged	10000 times unchanged
salt spray	≤2degree	1 degree
△E	≤3.0	0.77
lustre reduction degree	≤2degree	1 degree
other aging properties	0 degree	0 degree

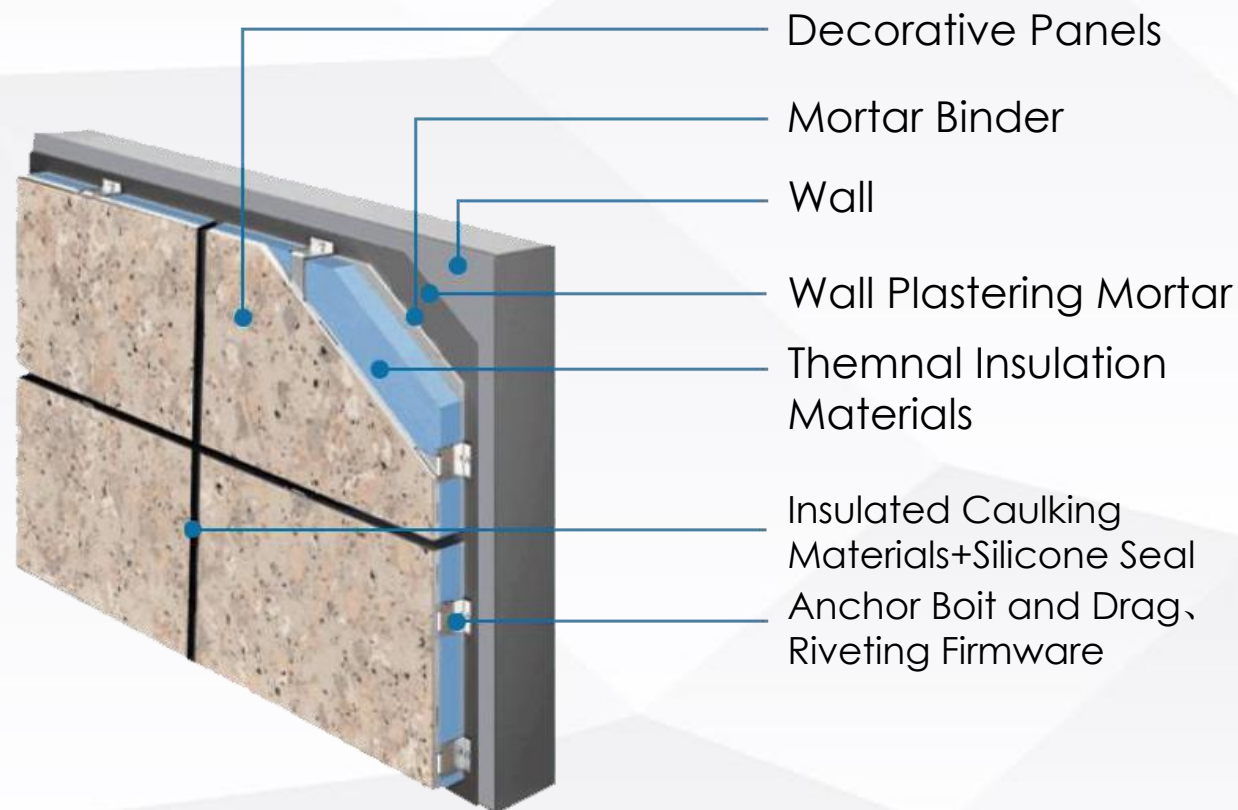
LAMINATED COILS



Items	VCM
gloss	★>100%
workability	★(OT)
adhesion	★
acid & alkali resistance	★
stain resistance	★
scratch resistance	★
★:A ☆: B ◇:C	

-  White Goods : refrigerator, washing machine, air conditioner etc.
 -  Brown Goods: computer, laptop, AL base/steel sheets.
 -  Upgrade appearance of common stainless steel on decoration of kitchen appliances, elevators.
 -  Al-base decoration material: office partition wall, bathroom, ceiling, wall, etc.
 -  Materials on car, ship (high corrosion resistance, high weather resistance) .
-  To reach appearance effects of metal, personality pattern, geometry texture.
 -  Colorful and have gloss effects of highlight, matt, half matt etc.
 -  Good performance advantages of corrosion resistance, stain resistance, moisture protection, scratch resistance, formability, brittleness resistance.

COMPOSITE PANEL



Decorative Panels

Mortar Binder







Wall

Wall Plastering Mortar

Thermal Insulation Materials

Insulated Caulking Materials+Silicone Seal

Anchor Bolt and Drag Riveting Hardware

-  Industrialized production and stable quality
-  Waterproof, self-clean, 25+ years service life
-  Lifelike decoration, one third of cost of real stone materials
-  Simple operation, easy installation
-  Mechanical anchorage, double safety protection
-  Low thermal conductivity, energy-efficient

TYPE	CONTRAST
stone	high-grade, high cost, pollution, trouble installation, security risk
glass	decorative, security risk, light pollution
real stone paint	low cost, easy to peel, high maintainance cost
metallic wall panel	moderate cost, vivid color, easy installation, light-weight but high-strength



PART 04

Most advanced dual-cycle convection heating system

Each section of the baking stove is heated and controlled respectively so that the temperature is accurate. The steel/aluminum sheet is heated more evenly and paint coating forms well and won't peel or bubble.

Five-color overprinting technology

We apply five-color overprinting technology into prepainted sheet field initially. And it makes the patterns more exquisite, more realistic and strong 3D effect. These products fill in the gap of traditional sheet with single color and extend the application range of color coated aluminum and steel sheet.





MILK WAY SOHO



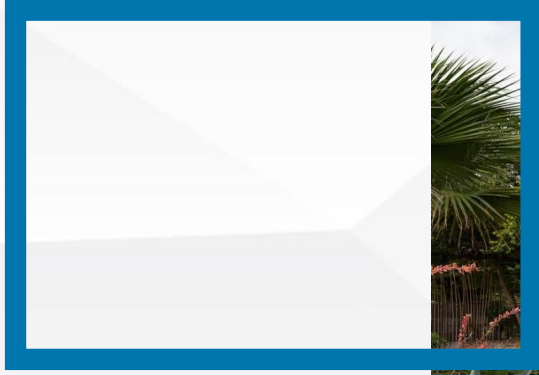
Harbin Opera House



INTERCONTINENTAL OF SHANGHAI



HOUSE BY COUNTRY GARDEN



Wofeng, Professional PPGI & Coated Aluminum Since 2008. Stick to the principle of quality, Provide satisfying service.



CONTACT US

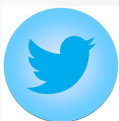
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THANKS FOR WATCHING



Shandong Wofeng New Material Co.,Ltd.