

ALUCOSUPER · ROLLER COATING PRODUCTS SERIES (PPAL)

墙煌 · 预辊涂产品系列



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安徽墙煌科技股份有限公司

Alucosuper ANHUI WONDERFUL-WALL SCIENCE TECHNOLOGY CORP., LTD

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Alucosuper

墙煌股份

WONDERFUL-WALL CORP.

建筑建材行业领军品牌

Leading brand in building materials industry

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1 ABOUT THE ALUCOSUPER 关于墙煌

公司简介 ABOUT US

安徽墙煌科技股份有限公司（以下简称“墙煌股份”）为中国民企500强、制造业500强精工控股集团下属企业。成立于2008年7月，注册资本5000万元人民币，位于安徽省六安市经济开发区长江精工工业园，占地面积20万平方米，总投资4.3亿元。

墙煌股份集专业研发、生产各类规格齐全的彩涂铝板、彩涂钢板、铝单板、铝塑复合板、装饰节能复合板和金属覆膜板等产品于一体，是目前国内及亚洲地区同行业中规模庞大、品种齐全、工艺先进、综合实力强的科技型企业。拥有3个省级名牌产品、7条先进彩涂生产线、1条覆膜生产线、3条铝单板生产线、1条铝塑板生产线、装饰节能复合板全自动生产流水线，以及配套的10条纵剪横剪线，年生产彩涂铝板6万吨、彩涂钢板8万吨、铝单板200万平方米、铝塑板150万平方米、装饰节能复合板100万平方米。

“墙煌”牌彩涂铝板、家电钢板、铝塑板、铝单板及墙煌·装饰节能一体化系统等新型材料广泛应用于高档建筑内墙装饰、外墙装饰节能、铝蜂窝复合系列、天花吊顶系列、屋面围护系统系列、电子电容、家用电器、食品金属包装等领域。产品性能优异，颜色绚丽多彩，规格齐全，可满足客户的不同需求。

Anhui Wonderful-wall Science Technology Corp.,Ltd. (Hereinafter referred to as“Wonderful-wall corp.”) is a subsidiary of the top 500 Chinese private enterprise Jinggong Holding Group. Established in July 2008 and located in Changjiang Jinggong Industry Area, Economic development zone, Lu'an, Anhui, China, covering area of 200,000 square meters, registered capital of RMB 50millions and total investment of RMB 430 millions.

Wonderful-wall corp. specializes in the research and development、manufacturing kinds of prepainted aluminium coil(PPAL), prepainted steel coil(PCM), solid aluminium sheet, ACP, decorative energy-saving composite panels, and film laminate metal(VCM) and so on. It is the largest and most comprehensive technology enterprise, a color coating aluminium industrial manufacturer along with the largest production scale, the most complete specifications and the first-class equipment in domestic and Asia. We have 7 advanced color coating production lines, 1 film laminated metal production lines, 3 solid aluminum sheet production lines, 1 composite production lines, automatic production line for decorative energy-saving composite panel, also matching 10 slitting & cutting lines, with annual production capacity of 60,000MT PPAL, 80,000MT PCM, 2 million square meters solid aluminum sheet, 1.5 million square meter ACP, 1 million square meter decorative energy-saving panel.

“Alucosuper”brand PPAL, PCM/VCM, ACP, solid aluminum sheet, decorative energy-saving panel, which are widely used for curtain-wall, interior or exterior, honeycomb composite panel, ceiling system, roofing system, electronic capacitors, home appliances, and other related fields, with excellent performance and various colors, meet kinds of requirements from customers.



经过近20年的发展，墙煌品牌已成为行业内最具有影响力的品牌之一，荣膺“全国建筑装饰装修材料知名品牌”。公司多年来获得行业诸多实力奖项，被评定为“国家高新技术企业”、国家级“专精特新”小巨人企业、省级企业技术中心、省级数字化工厂、安徽省建筑节能与科技协会理事单位、中国建筑节能协会会员单位、中国建筑装饰材料百强企业、中国建筑装饰材料铝塑板行业十强企业、中国建筑材料联合会铝塑复合材料分会副理事长单位等。公司也是国家标准《铝塑板》、《铝单板》起草单位之一，国家铝塑材料协会创办企业之一，第一届开始至今的常务副理事长单位，以及国内第一家通过国家建筑材料检验认证中心验收合格的CTC认证单位。

公司始终坚持“以人为本，科技为先”的经营理念，不断发展，持续创新，在环保、节能减排的大趋势下，积极研制出降温节能覆膜金属板和装饰节能复合板及其系统材料，广泛应用于医院、学校、机场、高铁站等工业、民用建筑领域，深受市场的欢迎和好评，下一步将持续扩大产能，向新行业、新领域拓展迈进。



After nearly 20 years of development, Alucosuper brand has become one of the most influential brands in this industry and won the "National Famous Brand of Building Materials" award. The company has won many industry awards and has been designated as a "Key National High-tech Enterprise", national-level "specialized, sophisticated, and new" small giant enterprise, provincial technical center, Provincial digitized factory, Council Members of Anhui Building Energy Conservation and Technology Association, Member units of China Association of Building Energy Conservation, top 100 Chinese building material enterprise, top 10 enterprise in the composite industry of Chinese building material, and a deputy director of the Aluminum Composite Material Branch of the China Building Materials Association. The company participated in drafting National Standard for Aluminium Composite Panel and Solid Aluminum Sheet, a founding enterprise of the National Aluminum Composite Materials Association, and a standing deputy director unit since the first session. It is also the first domestic CTC certification company to pass the acceptance of the National Building Materials Inspection and Certification Center.

Company focus on "People-oriented, Science and Technology First", development and innovation. With the trend of environmental protection and energy saving, developed cooling film laminated metal and decorative energy-saving system, which are successfully applied for public construction. We will keep moving for production capacity, expand into new industry and field.

企业文化 CORPORATE CULTURE

以人为本，科技为先

PEOPLE FIRST, TECHNOLOGY FIRST

树立坚定而清醒的质量观念，秉持专业精神，专注核心优势，追求卓越品质，精益求精，始终如一。

Establish a firm and clear quality concept, uphold professionalism, focus on core advantages, Pursue excellent quality, keep improving and be consistent.

始于客户要求，终于客户满意

FROM CUSTOMER REQUIREMENTS TO CUSTOMER SATISFACTION

信奉知恩相报的道德准则，事业的成功，墙煌建材的发展，离不开每位客户的支持。

Believing in the moral principle of "repay each other with gratitude", the success of the cause, and the development of the Alucosuper building materials, Every customer's support is indispensable.

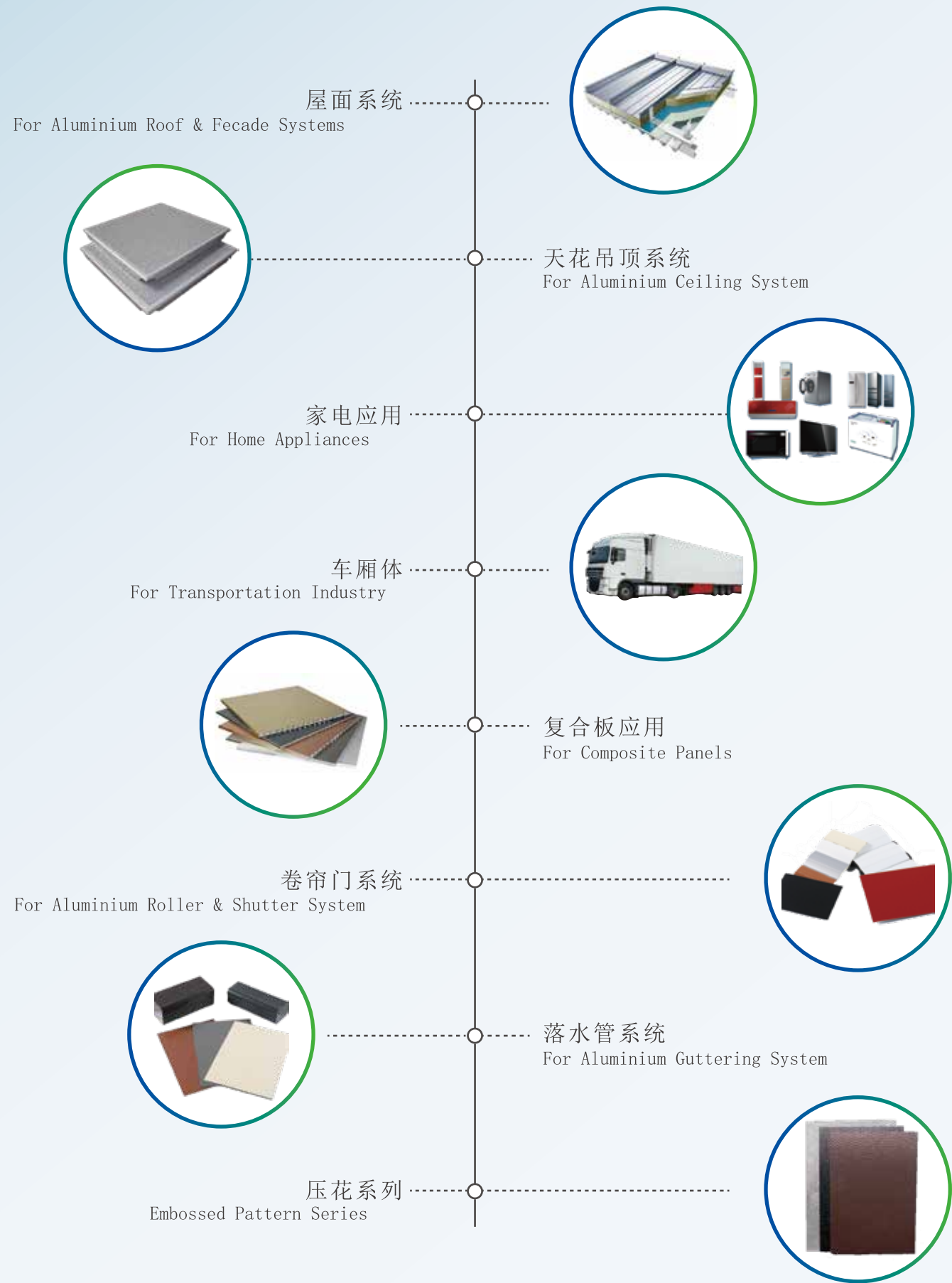
优良的品质，完善的服务，争做行业领跑者

EXCELLENT QUALITY AND PERFECT SERVICE, STRIVING TO BE THE INDUSTRY LEADER

秉持专业精神，追求专业品质，全心全意打造高品质的现代建筑艺术空间。

Adhere to professional spirit, pursue professional quality, and wholeheartedly create high-quality modern architectural art space.

应用领域 APPLICATION



插页示意




大地裂纹彩涂板


EARTH CRACK PPAL

目眩神怡 凸显立体美


DAZZLING AND PLEASANT,
HIGHLIGHTING THE THREE-DIMENSIONAL BEAUTY




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列
Special roller coating series



实现客户个性鲜明的色彩需求；

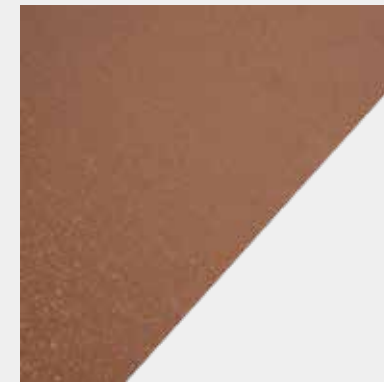
拥有良好的耐候性，并确保网纹清晰；

大地裂纹彩涂板以钢材或铝材为基板，采用三涂三烘工艺，通过控制中涂颜色，面涂清漆的膜厚和烘烤温度形成完美的网格纹效果，具有强烈的视觉感，满足客户个性化需求。

To realize customers' distinctive color needs;

It has good weather resistance and ensures clear mesh;

Earth crack PPAL like grid pattern uses steel or aluminum as the substrate and adopts three coating and three baking process. By controlling the color of intermediate coating, film thickness of top coating varnish and baking temperature, the perfect grid pattern effect is formed, which has a strong visual sense and meets the personalized needs of customers.



产品优势：

- ① 涂层表面层次分明，立体感十足，颜色可根据客户需求调整，定位化设置；
- ② 质量轻，环保，装饰效果好；
- ③ 各项性能超出国家标准要求；
- ④ 不易褪色，耐候性强，使用年限长。

Product Advantages:

- 1) The coating surface has clear layers, full of three-dimensional feeling, and the color can be adjusted according to the customer's needs, and the positioning setting can be carried out;
- 2) Light weight, environmental protection, good decoration effect;
- 3) All performances exceed the requirements of national standard;
- 4) Not easy to fade, strong weather resistance, long service life.

应用领域：

主要应用于各种铝塑板面板、建筑外墙、屋面等领域。也可广泛应用于内装饰。

Product Application: It is mainly used in various aluminum-plastic panel, building exterior wall, roof and other fields. It can also be widely used in interior decoration.






抗菌彩涂板


ANTI-BACTERIAL PPAL

天生高杰 护卫健康


BORN HIGH AND CLEAN TO PROTECT HEALTH




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



抗菌彩涂板采用抗菌面漆涂料，在涂料中加入抗菌剂，由于在涂膜及干燥过程中抗菌剂会渗出表面，遇有细菌接触具有杀菌、抑菌和防霉作用。

本产品采用的无机银离子抗菌剂，具有无毒、广谱抗菌、抗菌时效长、不产生耐药性等特点，特别是其突出的耐热性（>600℃），成功克服了有机抗菌剂的缺点，而且当菌体失去活性后，银离子又会从菌体中游离出来，重复进行杀菌活动，因此其抗菌效果持久。

通过ISO 22196：2007塑料表面抗活性的试验检测，对金黄色葡萄球菌和大肠杆菌拥有超高抗菌率，抗菌率可达到99.9%。

The anti-bacterial PPAL adopts antibacterial to pcoat coating, and adds antibacterial agent in the coating. Since the antibacterial agent will seep out of the surface during the coating and drying process, it has bactericidal, bacteriostatic and anti-mildew effects when it comes into contact with bacteria.

The inorganic silver ion antibacterial agent used in this product has the characteristics of non-toxic, broad-spectrum antibacterial, long antibacterial effect, and no drug resistance, especially its outstanding heat resistance (> 600 ℃), which successfully overcomes the organic antibacterial agent. Moreover, when the bacteria lose their activity, the silver ions will dissociate from the bacteria and repeat the bactericidal activity, so its antibacterial effect is long-lasting.

Through the ISO22196: 2007 plastic surface anti-activity test, it has a super high antibacterial rate against staphylococcus aureus and escherichia coli, and the antibacterial rate can reach 99.9%.



抗菌性能：
满足《家用和类似用途电器抗菌、除菌、净化功能冷柜的特殊要求》

① 抗菌冰箱或其应用抗菌材料生产的主要部件（接触时间18-24小时），对金黄色葡萄球菌、大肠杆菌的抗菌率应大于或等于90%；

② 防霉抗菌材料生产的主要部件，防霉等级应为（0-1）级；

③ 除异味的要求：对甲硫醇的吸附或分解率大于或等于90%，对三甲胺的吸附或分解率大于或等于90%。

Antibacterial Properties: Meet the "Special Requirements for Antibacterial, Sterilization, and Purification Functional Refrigerators for Household and Similar Appliances"

1) The antibacterial rate of antibacterial refrigerator or its main parts (contact time 18-24 hours) to staphylococcus aureus and escherichia coli should be greater than or equal to 90%;

2) For the main parts of the production of mould proof and antibacterial materials, the mould proof grade should be(0-1);

3) Deodorization requirements: The adsorption or decomposition rate of methyl mercaptan is greater than or equal to 90%, and the adsorption or decomposition rate of trimethylamine is greater than or equal to 90%.

应用领域：
主要用于容易滋生霉菌、病菌的环境中，如冰箱、洗衣机、冷柜等家电产品的外板，冷柜、展示柜的内衬铝板等。

Product Application: It is mainly used in the environment where mould and pathogen are easy to grow, such as the outer plate of household appliances such as refrigerator, washing machine, freezer, etc., and the lining aluminum plate of refrigerator and display cabinet.






抗静电彩涂板


ANTI-STATIC PPAL

屏蔽隐患 护卫安全


SHIELD HIDDEN DANGERS AND PROTECT SAFETY




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



抗静电效果好，安全防尘、防污，避免细菌污染，在特殊环境中，会吸附灰尘和细菌，在气候干燥地区引起放电，造成燃烧和爆炸；抗静电彩涂板是彩涂板功能性技术升级的产品。

抗静电彩涂板是在涂料中加入导电物质即抗静电剂，经特殊涂装工艺使抗静电剂附着在涂层表面。抗静电剂的加入使原来绝缘的涂层变成半导体。配合建筑工程的接地线的安装可使彩涂板表面因空气对流及摩擦产生的静电得以导入地面而消失。

Antistatic effect is good, safe, dustproof, antifouling, to avoid bacterial pollution. In special environment, dust and bacteria will be adsorbed, causing discharge in dry climate area, causing combustion and explosion; anti-static PPAL is the product of functional technology upgrading of color coated aluminum plate.

Anti-static PPAL is made by adding conductive material, namely antistatic agent, into the coating. The antistatic agent is attached to the coating surface by special coating process. With the addition of antistatic agent, the original insulating coating becomes a semiconductor. With the installation of grounding wire in construction engineering, the static electricity generated by air convection and friction on the surface of color coated plate can be introduced into the ground and disappear.



产品优势:

- ① 表面电阻值 (Ω)：抗静电指数始终在10⁶-10⁹之间，具有优良的抗静电性能；
- ② 涂层附着力超国标；
- ③ 表面硬度、柔韧性高于同类产品；
- ④ 耐冲击性、耐磨性高于同类产品。

Product Advantages:

- 1) Surface resistance value (Ω): Antistatic index is always between 10⁶-10⁹, with excellent antistatic performance;
- 2) Coating adhesion exceeds national standard;
- 3) The surface hardness and flexibility are higher than those of similar products;
- 4) Impact resistance and wear resistance are higher than similar products.

应用领域：
用在对抗静电、高清洁度无尘、无菌等要求较高的电子半导体、食品加工业、制药业、医院等场所的装饰装修，以及电容电极、冰箱外壳等工业品。

Product Application: It is used in the decoration of electronic semiconductor, food processing industry, pharmaceutical industry, hospital and other places with high requirements of anti-static, high-definition, dust-free and aseptic, as well as capacitor electrode and refrigerator shell.







锤纹彩涂板


HAMMER PATTERN PPAL


立体触感 形象逼真

THREE-DIMENSIONAL TOUCH AND VIVID IMAGE

- 

厚度 (T)
0.23-1.5mm
- 

宽度 (W)
650-2000mm
- 

质轻
Light weight
- 

环保
Green

特殊辊涂系列

Special roller coating series



该产品在钢基材或铝基材上涂装锤纹涂料，通过控制涂装和烘烤工艺，板面会出现锤纹效果，同时具有耐指纹效果。是产品表面视觉效果的技术升级产品。

The product is coated with hammer mark coating on steel or aluminum substrate. By controlling the coating and baking process, hammer mark effect will appear on the surface of the sheet, and it has fingerprint resistance effect. It is the technology upgrade product of product surface visual effect.



- 产品优势：
- ① 表面锤纹,具有很好的装饰效果，可替代部分压花产品；
 - ② 表面耐指纹由于其他同类产品；
 - ③ 产品表面铅笔硬度可达到3H。

- Product Advantages:
- 1) Surface hammer pattern, with good decorative effect, can replace part of embossed products;
 - 2) The surface is fingerprint resistant due to other similar products;
 - 3) The pencil hardness of the product surface can reach 3H.

应用领域：
可广泛应用于房车内装饰、车站、吊顶等装饰领域。

Product Application: It can be widely used in RV interior decoration, station, ceiling and other decoration fields.




变色龙彩涂板


CHAMELEON PPAL

色泽多变 如入幻境


COLOR IS CHANGEABLE,
ENTERING THE FANTASY WORLD




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



目移景异，为建筑炫彩，富丽堂皇，品质不彰自显，色泽多变，如入幻境，让建筑成为持续的视觉主角科技感与艺术感兼具，多重价值聚集。又称为幻彩涂层板，表面色泽幻化多变，充分利用光线和物质之间的反射、折射、衍射等机理，观察者随着视角的转变会体会到不同的色彩感官效果。

The eyes move and the scene changes, making the building colorful and magnificent, its quality is self-evident, its color is changeable, like entering an illusion, making the building a continuous visual protagonist with both a sense of technology and art, and the accumulation of multiple values. Also known as magical color coating sheet, has changble surface, making full use of the reflection, refraction, diffraction and other mechanisms between light and matter, the observer will experience different color sensory effects as the viewing angle changes.



- 产品性能：**
- ① 色彩艳丽，表面具有特殊的色彩效果；
 - ② 能满足设计师独具匠心的设计，实现完美的装饰效果。
- Product Properties:**
- 1) Bright colors, with special color effects on the surface;
 - 2) It can meet the designer's unique design and achieve perfect decorative effect.

应用领域：
广泛用于艺术馆、博物馆、礼堂、会议厅、机场、星级酒店、商业连锁店、汽车4S店、展览广告、公共场所等艺术环境浓厚的内外墙装饰。

Product Application: It is widely used in art galleries, museums, auditoriums, conference halls, airports, star hotels, commercial chain stores, automobile 4S stores, exhibition advertisements, public places and other interior and exterior wall decorations with strong artistic environments.







抗污自洁彩涂板


ANTI-POLLUTION SELF-CLEANING PPAL


长久洁净 历久弥新

LONG CLEAN AND FRESH

- 

厚度(T)
0.23-1.5mm
- 

宽度(W)
650-2000mm
- 

质轻
Light weight
- 

环保
Green

特殊辊涂系列

Special roller coating series



运用高科技纳米涂层技术，表面具有优异的抗沾污性能，能抵抗污染物渗透至漆膜内，并有良好的雨水自清洁功能，使其在耐污性、自洁性、耐酸碱等多项性能上具备明显优于传统涂层板，是一种具有更新换代意义的新型建筑材料。

By using high-tech nano coating technology, the surface has excellent anti-pollution performance, can resist pollutant penetration into the paint film, and has good rainwater self-cleaning function, which makes it obviously superior to the traditional coating plate in many properties such as pollution resistance,self-cleaning,acid and alkali resistance. It is a new building material with renewal significance.

抗污自洁彩涂板 Anti-polluction self-cleaning PPAL		
项目 Items	纳米自清洁涂层 Nano self cleaning coating	普通涂层 Common coating
结构细致性 Detailed structure	采用纳米材料树脂、颗粒大小约在0.03μ-0.01μ之间，表面光滑细致 Using nano material resin.the particle size is about 0.03 μ-0.01 μ. the surface is smooth and fine.	表面颗粒大小细度在0.0 The particle size and fineness of the surface were 0.0.
抗污性 Anti-pollution property	表面细腻光滑，空气尘埃油污很难附着，易于清洁 The surface is delicate and smooth, and it is difficult to attach dust and oil in the air Easy to clean.	尘埃颗粒与涂层颗粒相近易附着 Dust particles are similar to coating particles and easy to adhere.
自洁性 Self cleaning	表面颗粒小，表面张力大，灰尘颗粒易被风和雨水带走 The surface particles are small and the surface tension is large. and the dust particles are easy to be carried away by wind and rain.	表面颗粒大a表面张力小，尘埃和油污的附着力较大，水珠下滑难以带走灰尘颗粒 It is difficult to take away dust particles when waterdrops slide down.
耐刷洗性 Brush resistance	擦拭1万余次 Wipe more than 10000 times	擦拭几千次 Wipe it thousands of times.
耐候性 Weatherability	采用“三涂”工艺技术，拥有更高的耐候性及色泽保护性，防止涂层氧化和老化 Adopting "three coating"technology,it has higher weather resistanceand color protection. and prevents coating oxidation and aging.	采用传统“二涂”工艺技术 The traditional "two coating"technology is adopted.

应用领域：建筑幕墙外挂墙面、屋面、医院卫生场所。

Product Application: Building curtain wall, external wall, roofing, hospital health places.




抗刮彩涂板


ANTI-SCRATCH PPAL

无惧尖锐问题 硬气十足


NO AFRAID OF SHARP PROBLEMS,
FULL OF TOUGHNESS




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列
Special roller coating series



表面硬度高，不易划伤。

抗刮彩涂板采用高硬度的刚玉（三氧化二铝）、二氧化硅等颗粒掺杂而成的抗刮涂料，涂装固化，比普通彩涂板抗刮性能增强3倍以上，可抵抗较尖锐的物体的刮擦。

High surface hardness, not easy to scratch.

Anti-scratch PPAL is made of high hardness corundum (aluminum oxide), silicon dioxide and other particles. After coating and curing, the scratch resistance of color coated aluminum plate is three times higher than that of ordinary color coated aluminum plate, and can resist the scratch of sharp objects.



产品特性：

- ① 表面抗刮颗粒分布均匀；
- ② 颗粒有凸出的立体感，手感柔和；
- ③ 表面硬度和抗刮性能高于同类产品；
- ④ 涂层附着力好，耐冲击、柔韧性超国标；
- ⑤ 最小粉化，抗刮效果持久。

Product Features:

- 1) The distribution of scratch resistant particles is uniform;
- 2) The granule has a protruding three-dimensional feeling and a soft handle;
- 3) The surface hardness and scratch resistance are higher than those of similar products;
- 4) The coating has good adhesion, impact resistance and flexibility exceeding the national standard.
- 5) Minimum chalking, durable anti-scratch effect.

应用领域：

抗刮彩涂板由于具有高的抗刮、耐磨损性能，现在主要应用于对抗刮、耐磨有较高要求行业。抗刮彩涂板主要用于机场、地铁、商场、车体等公共场所的内墙装饰，同时也是发泡卷闸门、卷帘窗、家电等系列产品的首选材料。

Product Application:

Anti-scratch PPAL is mainly used in industries with high requirements for scratch resistance and wear resistance due to its high scratch resistance and wear resistance performance. Anti-scratch PPAL is mainly used for interior wall decoration of airport, subway, shopping mall, car body and other public places. It is also the preferred material for foam roll gate, rolling shutter window and household appliances.





热转印彩涂板

SUBLIMATION PPAL

炫彩亮丽 永恒绽放

BRILLIANT AND BRIGHT, BLOOMING FOREVER



厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



热转印是将花纹图案等印刷到耐热的板面，再运用热升华原理，通过进行加压、加热等技术措施，将油膜层的花纹图案印到经过特殊处理的介质上的一种新型的技术。

Sublimation printing is a new technology that prints the pattern on the heat-resistant surface, and then uses the principle of thermal sublimation to print the pattern of oil film onto the specially treated medium by means of pressure and heating

产品优势：

- ① 涂层平整，图案清晰度高；
- ② 不易掉色，持久如新；
- ③ 使用方便，任意尺寸切割；
- ④ 节能环保性能优良。

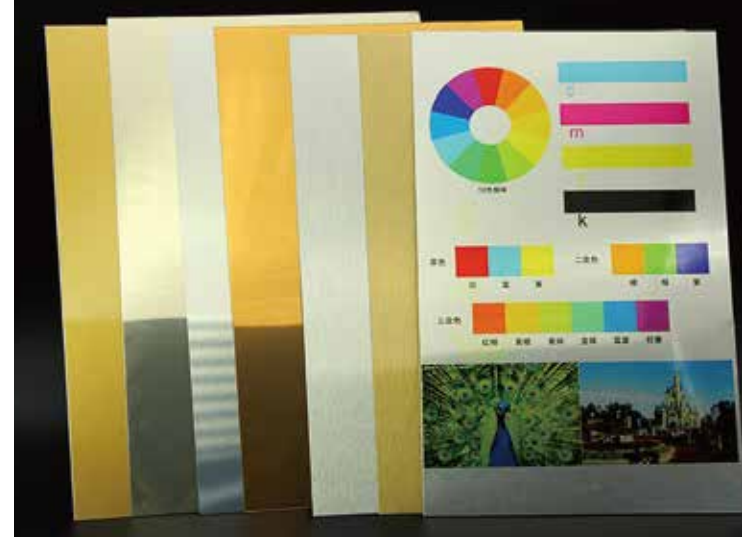
Product Advantages:

- 1) The coating is smooth and the pattern is clear;
- 2) Not easy to fade, lasting as new;
- 3) Easy to use, any size cutting;
- 4) Excellent performance of energy saving and environmental protection.

应用领域：家电、工艺品箱体、门头装饰、名片等领域。

Product Application: Home appliances, handicraft boxes, door decoration, business cards and other fields.

热转印彩涂板



热转印拉丝






高膜厚彩涂板


HIGH FILM THICKNESS PPAL

持久保护 超长寿命


LONG LIFE PROTECTION




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



采用“连涂连烤”工艺，正、背面涂层膜厚均超过65um，双面涂层膜厚 > 130um并且科学采用阶梯烘烤温度，涂层的物性得到良好保障。

Using the "continuous coating and baking" process, the front and back coating thickness exceeds 65um, the double-sided coating thickness more than 130um, and scientifically adopts the step-by-step baking temperature, so that the physical properties of the coating are well guaranteed.

产品性能：

- ① 大幅降低后期综合维护成本；
- ② 超强耐候，耐腐蚀；
- ③ 优异的加工性能；
- ④ 产品使用年限更长，可以达到30年以上。

Product Properties:

- 1) Greatly reduce the comprehensive maintenance cost in the later stage;
- 2) Strong weather resistance, corrosion resistance;
- 3) Excellent processing performance;
- 4) The service life of the product is longer, which can reach more than 30 years.



应用领域：

可广泛应用于化工厂、养殖场、陶瓷厂、冶金厂、卷烟厂等高腐蚀场所；
也可以使用在设计年限较长的重要公共建筑如高铁站、博物馆、飞机场、地铁等。

Product Application: It can be widely used in high corrosion places such as chemical plant, breeding farm, ceramic factory, metallurgy plant, cigarette factory, etc.; it can also be used in important public buildings with long design life, such as high-speed railway station, museum, airport, subway, etc.






拉丝彩涂板


BRUSHED PPAL

炫出时尚科技感


SHOW THE SENSE OF FASHION AND TECHNOLOGY




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列
Special roller coating series



在铝板拉丝制程中，阳极处理之后的特殊的皮膜技术，可以使铝板表面生成一种含有该金属成分的皮膜层，清晰显现每一根细微丝痕，从而使金属哑光中泛出细密的发丝光泽，以起到美观，抗侵蚀的作用，使产品兼备时尚和科技的元素。

In the process of aluminum sheet drawing,the special film technology after anode treatment can make the surface of aluminum plate form a kind of film layer containing the metal composition,clearly show each fine filament mark, so as to make the metal matte with fine silk luster, so as to play a role of beauty and anti-corrosion, and make the product have both fashion and technology elements.



产品优势：

- ① 纹理清晰美观，具有时尚感和科技感；
- ② 耐候卓越，持久亮丽如新。

Product Advantages:

- 1) The texture is clear and beautiful, with a sense of fashion and technology;
- 2) Excellent weather resistance, lasting and bright as new.

应用领域：铝塑板、防火板、精品橱柜、贴面板、标牌、灯饰、室内装饰、家用电器、礼品盒、家具等领域。

Product Application: Aluminum plastic board, fireproof board, fine cabinet, veneer, sign, lighting, interior decoration, household appliances, gift box, furniture and other fields.






辐射制冷覆膜金属板


RADIANT REFRIGERATION METAL SHEET

颠覆性制冷超材料 无污染无能耗


SUBVERSIVE REFRIGERATION METAMATERIALS,
NO POLLUTION AND NO ENERGY CONSUMPTION




厚度 (T)
0.23-1.5mm



宽度 (W)
650-2000mm



质轻
Light weight



环保
Green

特殊辊涂系列

Special roller coating series



辐射制冷覆膜金属板是一种绿色环保，零能耗24小时持续制冷的新型复合材料。这种新型复合材料以红外电磁波的形式向外辐射能量从而达到制冷的效果。材料的发射频道是8-14微米波长段，在这个波长段的红外发射率高达0.93，接近理想黑体。这个波长段是红外辐射的大气窗口，对这个波长段的能量，地球的大气层几乎没有任何阻力。也就是说，这些被发射的热量几乎不被大气层通过反射、吸收和散射等方式“转换消化”掉，而是直接穿过大气层，进入外太空。

实验显示，这种材料在中午阳光直射下具有最高可达93W/平米的辐射制冷功率，可与它接触的物体降温10-16℃。

Radiant refrigeration coated metal plate is a new type of composite material with zero energy consumption and 24-hour continuous cooling. The new composite material radiates energy in the form of infrared electromagnetic wave to achieve the cooling effect. The emission channel of the material is 8-14 μm, and the infrared emissivity is as high as 0.93, which is close to the ideal blackbody. This wavelength is the atmospheric window of infrared radiation, and the earth's atmosphere has little resistance to the energy of this wavelength. In other words, the heat emitted is hardly converted and digested by the atmosphere through reflection, absorption and scattering, but directly passes through the atmosphere and enters outer space. The experimental results show that this material has a maximum radiation cooling power of 93W / m² under the direct sunlight at noon, which can cool the objects in contact with it by 10-16℃.



产品特性：

- ① 可降低室温10-16℃；
- ② 成就绿色节能建筑；
- ③ 满足国家对大型建筑的环保节能要求。

Product Features:

- 1) It can reduce the room temperature by 10-16℃;
- 2) Green energy saving building;
- 3) Meet the national requirements of environmental protection and energy saving for large buildings.

应用领域：大型建筑、工业厂房、物流储运、太阳能光伏、电力电子设备、养殖场、粮仓、石油化工等领域。

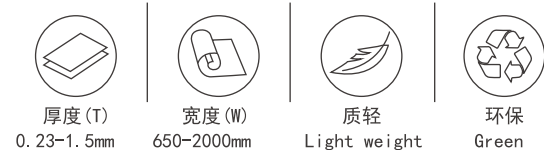
Product Application: Large scale buildings, industrial plants, logistics, storage and transportation, solar photovoltaic, power electronic equipment, farms, granaries, petrochemical and other fields.





电容器用新型高性能涂膜铝板

NEW HIGH-PERFORMANCE PPAL FOR CAPACITORS



特殊辊涂系列
Special roller coating series

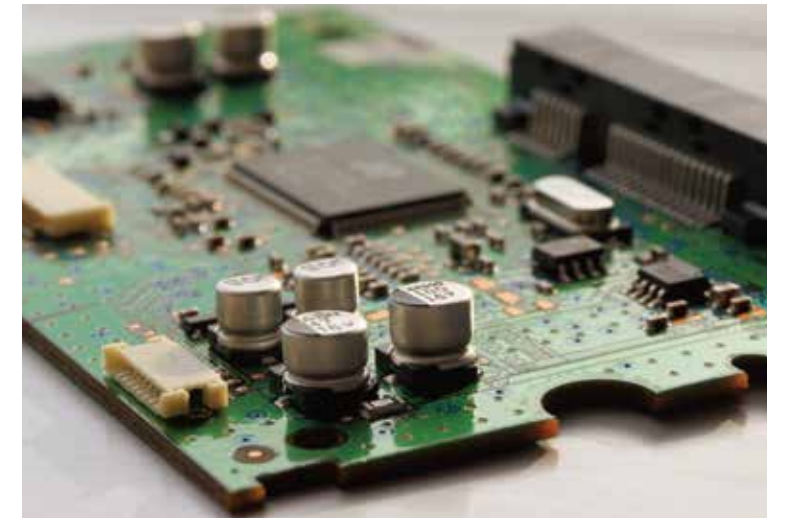
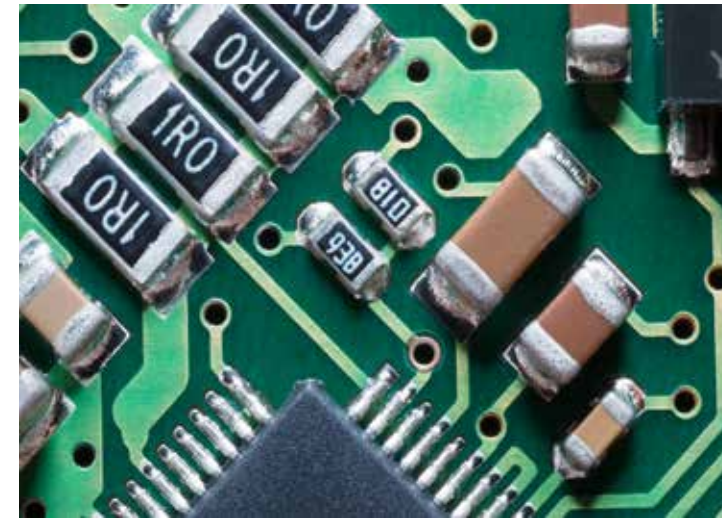


我司开发的“电容器用新型高性能涂膜铝板”是在特种铝板的表面涂覆一层功能型涂层，产品可以实现耐电压值大于500V以上，耐温高达270℃，延伸率高达30%，使用寿命提高5倍以上，经权威机构检测各项性能均高于韩国、日本。

在铝板上所涂覆的绝缘涂膜使得冲制时膜层变形小，解决了膜层与铝壳表面发生变形移位，脱落等现象，涂膜铝板冲制绝缘铝壳的正品率大大提高。同时热阻和适应胀缩性能都得到大幅度改观。

The "new high-performance PPAL for capacitors" developed by our company is to coat a layer of functional coating on the surface of special aluminum materials. The product can achieve a withstand voltage value greater than 500V, the temperature resistance reach to 270℃, and the elongation rate up to 30%, the service life is increased by more than 5 times, and all performances tested by authoritative organizations are higher than those in South Korea and Japan.

The insulating coating film coated on the aluminum sheet makes the deformation of the film layer small during punching, which solves the phenomenon of deformation, displacement and peeling between the film layer and the surface of the aluminum shell, and the authenticity rate of the coated aluminum plate punching the insulating aluminum shell is greatly improved. At the same time, the thermal resistance and the performance of adapting to expansion and contraction have been greatly improved.



运用领域：主要应用于贴片电容和固态电容器，由于产品体积小容量大，是电子芯片及手机、电脑、家用电器等电子产品的必需元件。

Product application: Mainly used in chip capacitors and solid capacitors. Due to the small size and large capacity of the product, it is an essential component of electronic chips, mobile phones, computers, household appliances and other electronic products.



市场前景：我国的年需求量在200亿只以上，随着国内大型电子元件企业的发展，目前国内企业生产的贴片电容和固态电容器已达到60亿只，但仍有2/3以上的电容器从国外进口，此款产品的开发量产对解决目前行业现状具有重要意义。

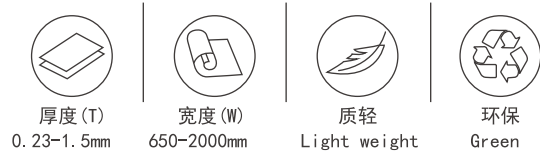
Market prospect: Our country annual demand is more than 20 billion. With the development of large-scale domestic electronic component companies, the current production of chip capacitors and solid capacitors by domestic companies has reached 6 billion, but there are still more than 2/3 of capacitors Imported from abroad, the development and mass production of this product is of great significance to solve the current industry status.



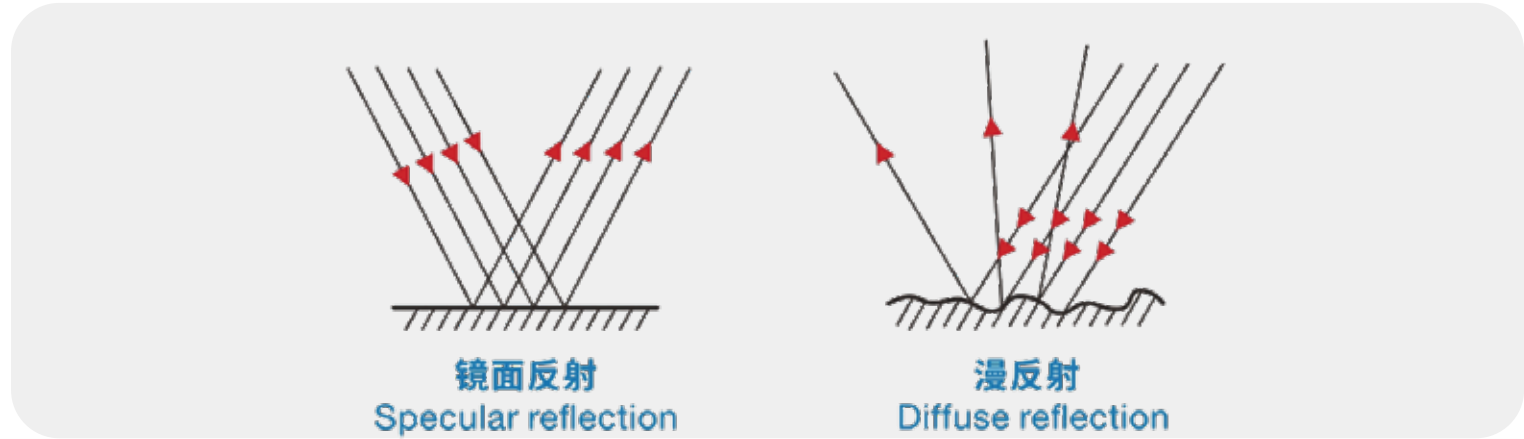


漫反射彩涂板

DIFFUSE REFLECTIVE PPAL



特殊辊涂系列
Special roller coating series



漫反射是投射在粗糙表面上的光向各个方向反射的现象。当一束平行的入射光线射到粗糙的表面时，表面会把光线向着四面八方反射，所以入射线虽然互相平行，由于各点的法线方向不一致，造成反射光线向不同的方向无规则地反射，这种反射称之为“漫反射”。可以让光线更柔和，物体层次感更强，降低空间照明能耗 光线反射率达到95%，高漫反射率，防炫目。

Diffuse reflection is a phenomenon which a light projected on a rough surface is reflected in all directions. When a parallel beam of incident light shone on rough surface, the surface will reflect the light in all directions, so although the incident rays are parallel to each other, due to the reflective directions of each point are inconsistent, the reflected rays are randomly reflected in different directions, it's called "Diffuse reflection". It can make the light softer, the object has a stronger sense of hierarchy, and reduce the energy consumption of space lighting. The light reflectivity reaches 95%, high diffuse reflectivity, anti-glare.

产品优势：

- ① 线反射率达到95%，比普通白色涂层高15-20%；
- ② 可大量减少室内灯具使用数量，降低空间照明能耗，节能环保；
- ③ 提升室内设计的层次感，灯光设计多样化；
- ④ 解决镜面反射的炫目、刺眼，使光线更柔和、均匀、提高物体质感。

Product Advantages:

- 1) Light reflectivity reaches 95%, is 15-20% higher than ordinary white coating;
- 2) It can greatly reduce the number of indoor lamps used, reduce the energy consumption of space lighting, save energy and protect the environment;
- 3) Improve the layering of interior design and diversify lighting design;
- 4) Solve the glaring and dazzling of specular reflection, make the light softer and more uniform, and improve the texture of objects.

运用领域：主要应用于机场航站楼、候车室、会馆、体育馆、医院等室内装饰，或者其他需要照明节能的场景。

Product application: Mainly used in interior decoration of airport terminals, waiting rooms, clubhouses, gymnasiums, hospitals, etc., or other scenes that require lighting and energy saving.

