



A2防火金属复合板
A2BOARD

江苏爱途邦新材料科技有限公司
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爱途邦德

A2 江苏爱途邦新材料科技有限公司
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+ 企业简介 RESTOR LIFE

江苏爱途邦新材料科技有限公司地处长三角经济圈中心的千年陶都宜兴市。

江苏爱途邦新材料科技有限公司始终把产品质量和服务作为企业的生存之本。从原材料进厂到产品出厂均经过严格的检验。公司采用进口柯尼卡色差仪, sheen膜厚仪等一批检测设备, 在制造过程中严格把关。使产品的稳定性得到有效控制。由于坚定不移的秉持产品质量意识, 经我们生产的产品, 深受客户一致好评。公司不但在国内市场拥有稳定的客户资源, 同时积极开拓海外市场, 在法国, 西班牙, 土耳其, 沙特阿拉伯, 阿联酋, 伊朗, 印度, 马来西亚等国家和地区建立了稳定的销售网络。

江苏爱途邦新材料科技有限公司真诚的期待与您在未来的道路上, 共同发展并分享成长的价值!

Jiangsu A2Board Industry Co.,Ltd is the Millennium Taodu Yixing City Jiangsu A2Board Industry Co.,Ltd, which is the chief of the triangle economic circle center, has always regarded product quality and service as the basis of the survival of the enterprise. From the raw materials into the factory to the products are subject to strict inspection. The company adopts imported Konica color difference meter, sheenfilm thickness meter and other testing equipment, and strictly controls the manufacturing process. So that the stability of the product can be effectively controlled. Due to unswervingly uphold the awareness of product quality, our products are well received by customers. The company not only has stable customer resources in the domestic market, but also actively develops overseas markets, and has established stable sales network in France, Spain, Turkey, Saudi Arabia, UAE, Iran, India, Malaysia and other countries and regions. Jiangsu A2Board Industry Co.,Ltd. sincerely looks forward to developingtogether and sharing the value of growth with you in the future!



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产品介绍 COMPANY PROFILE



A2级防火铜复合材料

A2 GRADE FIREPROOF COPPER COMPOSITE

以铜板作为面板，铜面具有很强的杀菌性和优异的耐腐蚀性，且表面平整易于加工成型。可直接用铜的本色来装饰、装修。也可以经过特殊处理成钢绿色，古铜色等特殊颜色，使其更为高贵、华丽，具有独特的历史韵味。

With copper plate as the panel, the copper surface has strong bactericidal and excellent corrosion resistance, and the surface is smooth and easy to process. It can be directly decorated with the natural color of copper. It can also be specially processed into steel green, bronze and other special colors, making it more noble, gorgeous, with a unique historical charm.



A2级防火铝复合材料

A2 GRADE FIREPROOF ALUMINUM COMPOSITE

A2级防火铝复合材料是有2层0.5mm厚的合金铝板和氢氧化镁，氢氧化铝等无机芯料组成的新型产品。装饰涂层是高性能KANAR500(或HYLAR5000)70%以上PVDF树脂制成的氟碳涂层，具有优良的耐候性，由于涂层是在连续的辊式液体涂装线上完成，表面具有多样丰富的颜色选择和优秀的色彩和光泽一致性，较之其他涂装方式有很大的改进。

产品通过了国家防火材料、国家建筑材料和国家建筑工程等专业机构的质量监督检测中心检测和国家住建部评估，并通过欧盟CE安全认证和INTERTEK, SGS, GOST, PSB等国际权威机构A2级防火检测，各项指标达到国际领先水平，是传统铝塑板的升级换代产品，可广泛应用于机场、高铁、地铁等交通枢纽;船舶、航海运输;核电站、水利工程、隧道等国家重点防火项目;工厂、学校、写字楼、大型商场等公共建筑

A2 grade fireproof aluminum composite material is a new product which consists of two layers of 0.5mm thick alloy aluminum plate and inorganic core materials such as magnesium hydroxide and aluminum hydroxide. Decorative coating is a fluorocarbon coating made of more than 70% PVDF resin of high performance kanar500 (or hylar5000), which has excellent weather resistance. Because the coating is completed on the continuous roller liquid coating line, the surface has a variety of color choices and excellent color and gloss consistency, which is greatly improved compared with other coating methods.

The product has passed the quality supervision and testing center test of national fire protection materials, national building materials and national construction engineering and other professional institutions, and the evaluation of the Ministry of housing and urban rural development, and passed the EU CE safety certification and A2 Level fire protection test of international authoritative institutions such as intertek, SGS, gost and PSB. All indicators have reached the international leading level. It is the upgrading product of traditional aluminum-plastic plate, It can be widely used in airport, high-speed railway, subway and other transportation hubs; Shipping and maritime transport; Nuclear power plants, water conservancy projects, tunnels and other national key fire prevention projects; Factories, schools, office buildings, shopping malls and other public buildings

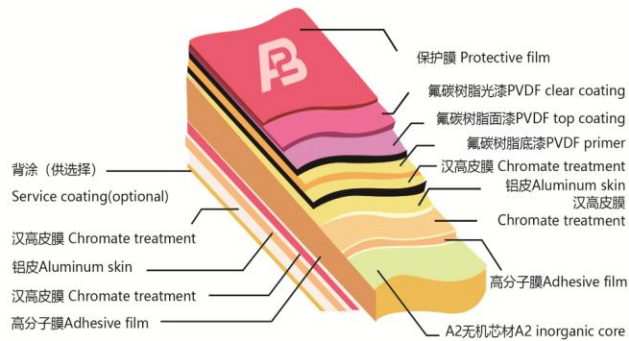


A2BOARD加工工艺 A2BOARD PROCESSING TECHNOLOGY

以铝合金板作面板，铝板具有较强的金属质感，使用寿命长并有自由修复功能，适用于酒店，机场，办公楼等高档场所。

With aluminum alloy plate as panel, aluminum plate has strong metal texture, long service life and free repair function. It is suitable for hotels, airports, office buildings and other high-end places.

A2级防火铝复合材料图解 DIAGRAM OF A2 GRADE FIREPROOF ALUMINUM COMPOSITE



A2BOARD产品检测 A2BOARD PRODUCT TESTING

公司采用进口柯尼卡色差仪，sheen膜厚仪等一批检测设备，在制造过程中严格把关。使产品的稳定性得到有效控制。

The company adopts imported Konica color difference meter, sheen film thickness meter and other testing equipment, and strictly controls the manufacturing process. So that the stability of the product can be effectively controlled.

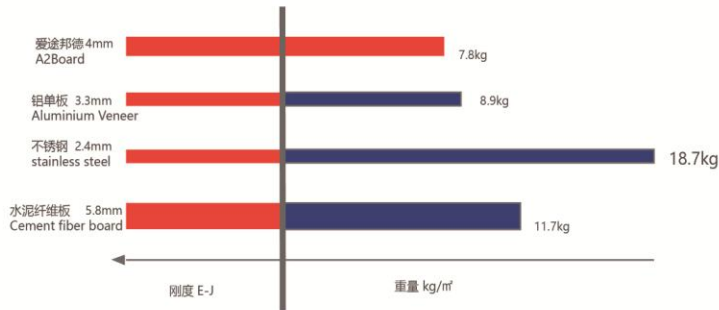




结构性能 STRUCTURE PERFORMANCE

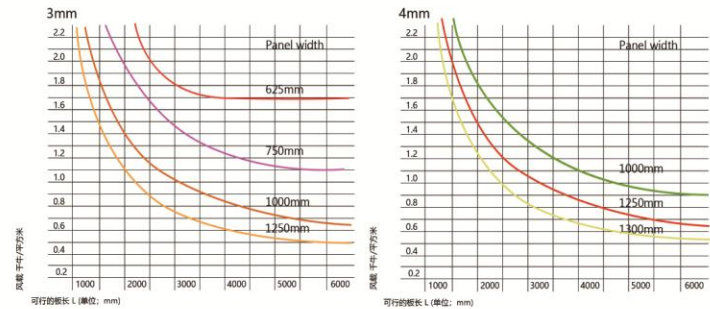
相比其他相似幕墙材料,爱途邦德™铝复合材料更加平整坚实并且轻便。平整坚实的铝复合材料和铝单板及钢板一样,可以消除油灌效应。铝复合材料的轻便比起同类型材料更有效地减少了致命的风载影响。不仅可以减少建筑成本,更可以让设计师的灵感不受限制。

Compared with other similar curtain wall materials, A2Board™ Aluminum composite is more flat, solid and light. Flat and solid aluminum composite can eliminate oil filling effect just like aluminum veneer and steel plate. The lightweight of aluminum composite can reduce the fatal wind load effect more effectively than the same type of material. It can not only reduce the construction cost, but also let the designer's inspiration unlimited.



风载和可行的板尺寸图(3mm和4mm厚的爱途邦德™A2板,显示了最大板长(不使用加固物)对应的应用于设计上的风载和板宽(允许压力=53牛每平方米)。这个数值限于四条边支撑安装的板。应要求提供使用其他安装系统的数值。

Wind load and feasible plate size drawings are 3mm and 4mm thick A2Board™ A2 plate, showing the maximum plate length (without reinforcement) corresponding to the wind load and plate width applied to the design (allowable pressure = 53 n / m²) This value is limited to four side supported plates. Provide values for using other installation systems on request.



PRODUCT PROPERTY 标准规范

芯轴 Mandrel	Φ405毫米-Φ505毫米 Φ405 mm - Φ505mm
厚度 Thickness	2-5mm
宽度 Width	1270mm/1520mm (推荐) 最大-宽度2000mm 1270mm / 1520mm (Recommend) Max -width 2000mm
密度 Density	5.7KG/M ² 厚度为3 mm (约) 5.7KG/M ² thickness as 3 mm (approx)
吸水率 Water Absorption	<5% (72小时试验内) <5% (within 72 hours test)
热值 Heat value	<2.2 MJ/KG (根据ISO 1716) <2.2 MJ/KG (According to ISO 1716)
颜色 Color	白色-标准色、绿色、灰色 White -standard colour, Green , Grey



A. 防火

爱途邦德™A2级防火复合材料以氢氧化镁, 氢氧化铝为主要成分, 不仅不会引燃、不会助燃, 还可以起到阻燃的作用, 通过了GB8624、EN13501、GOST30244的检测, 以及SGS.INTERTEK、PSB等国际机构的认证。

A. FIRE PREVENTION

A2Board™ GradeA2 fireproof composite material is mainly composed of magnesium hydroxide and aluminum hydroxide, which not only can not ignite and support combustion, but also can play the role of flame retardant. It has passed the tests of GB8624, en13501/gost 30244, passed the tests of SGS.INTERTEK, PSB and other international organizations.



D. 性能优越

爱途邦德™A2级防火复合材料符合GBT/17748优等品指标。具有重量轻, 工学型结构稳定, 平整无变形等特点。

B. ENVIRONMENTAL PROTECTION

A2Board™ A2 grade fire-proof composite materials will not produce radioactive harmful elements during combustion, and have the characteristics of smokeless, non-toxic and tasteless.



C. 耐候

爱途邦德™A2级防火复合材料的氟碳涂层均采用国际知名品牌的70%PVDF体系, 可提供高达20年至25年的不褪色的使用质保。

C. WEATHERABILITY

A2Board™ The fluorocarbon coating of A2 grade fireproof composite material adopts the 70% PVDF system of international famous brand, which can provide up to 20 to 25 years of color fastness warranty.



B. 环保

爱途邦德™A2级防火复合材料燃烧中不会产生放射性有害元素, 具有无烟, 无毒, 无味等特点。

D. EXCELLENT PERFORMANCE

A2Board™ Grade A2 fireproof composite materials meet the GBT / 17748 quality index. It has the characteristics of light weight, stable I-shape structure, flatness and no deformation..



E. 选择多样

爱途邦德™A2级防火复合材料不仅具有传统的铝表面, 还有不锈钢, 钛锌, 黄铜, 木纹, 石纹等多种表面选择。

E. MULTIPLE CHOICES

A2Board™ A2 grade fireproof composite materials do not have the traditional aluminum surface, but also stainless steel, titanium, zinc, brass, wood grain, stone grain and other surface options.



F. 隔音

4mm的爱途邦德™A2级防火复合材料隔音参数为25dB, 具有优越的隔音性能。

F. SOUND INSULATION

4mm of love A2Board™ The sound insulation parameters of class A2 fire-proof composite material are 25dB, which has superior sound insulation performance.



G. 防霉

爱途邦德™A2级防火复合材料具有防虫, 防蛀, 防腐, 防霉等效果。

G. MOULD PROOF

A2Board™ A2 grade fireproof composite material has the effect of insect proof, mothproof, antiseptic and mould proof.



H. 质轻

4mm的爱途邦德™A2级防火复合材料的重量约为7.8KG/m², 相比其它同样应用材料, 具有轻质量, 高性价比的特点。

H. LIGHT WEIGHT

4 mm A2Board™ The weight of A2 grade fireproof composite is about 7.8kg/m2. Compared with other similar materials, it has the characteristics of light weight and high cost performance.



I. 施工便捷

爱途邦德™A2级防火复合材料, 可贴, 裁, 钉, 钻, 刨, 可以在施工现场进行切割。可以轻易实现双曲线造型。

I. CONVENIENT CONSTRUCTION

A2Board™ A2 grade fireproof composite material can be pasted, cut, nailed, drilled and planed, and can be cut at the construction site. Hyperbolic shape can be easily realized.

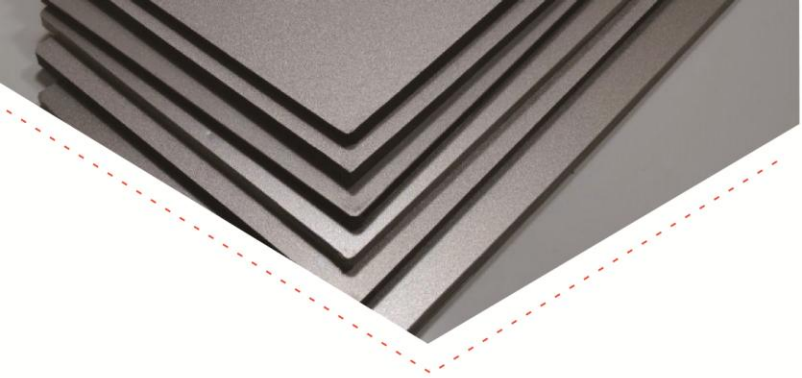


J. 维护简单

爱途邦德™A2级防火复合材料, 只需简单定期清洗, 具有较低的维护成本和较长的使用年限。

J. SIMPLE MAINTENANCE

A2Board™ A2 grade fireproof composite material only needs regular cleaning, with lower maintenance cost and longer service life.



普通铝塑板的缺点

DISADVANTAGES OF COMMON ALUMINUM COMPOSITE PANE

普通铝塑板的中间芯材是由低密度聚乙烯LDPE构成,属于易燃材料,所以在电线老化短路、高压放电以及有明火火源的情况下极易发生火灾。普通铝塑板一旦遇火燃烧,蔓延速度非常快,而且燃烧后有大量有毒浓烟产生,容易使人窒息,同时还会有大量滴落物产生,对国家财产和人身安全具有极大的损害。

The intermediate core material of ordinary aluminum-plastic sheet is composed of low density polyethylene (LDPE), which is a flammable material, so it is very easy to cause fire when the wires are aging, short circuit, high voltage discharge and open fire. Once the ordinary aluminum-plastic plate is burned, it spreads very fast, and there is a lot of toxic smoke after burning, which is easy to suffocate people. At the same time, there will be a lot of drops, which has great damage to the national property and personal safety.



不同芯材的防火性能比较 —— COMPARISON OF FIRE PERFORMANCE OF DIFFERENT CORE MATERIALS



普通芯材铝复合板
(可燃)20秒

Ordinary core aluminum clad plate (combustible) 20 seconds



B级难燃铝复合板
(有火苗产生)15分钟

Class B flame retardant aluminum clad plate 15 minutes



A2级不燃铝复合板
(毫无影响)

A2 non combustible aluminum clad plate (no impact)

	普通芯材铝复合板	B级难燃铝复合板	A2级不燃铝复合板
芯材可燃成分含量 Combustible content of core material	100%	<25%	<4%
燃烧总热值Total calorific value of combustion	>45 MJ/kg	<11MJ/kg	<3 MJ/kg
燃烧性能等级 Combustion performance grade	Euroclass C-D (EN 13501-01:2007)	Euroclass B PSB certificated	Euroclass A2 Class I IndexO
承受时间Endurance time	20秒	15分钟	30分钟
承受温度Withstand temperature	1500C°	1500C°	1500C°



权威认证品质保证

AUTHORITY CERTIFICATION AND QUALITY ASSURANCE

爱途邦德™的技术质量标准与国际接轨，从原材料到设备均采用世界一流品牌。

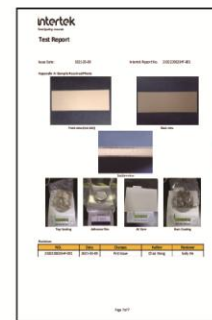
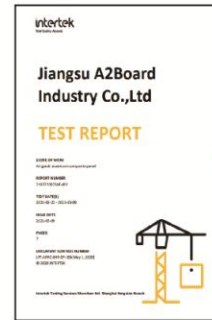
例如，设备的自动连续生产技术使用ABB与西门子的自动控制技术，涂料卷采用中国知名的铝业产品，预处理采用美国通用技术，涂料采用AKZO,PPG,BECKER的国际知名品牌的氟碳涂料技术。

本品牌郑重承诺我们交付的产品可以通过中国和世界的权威检测的在线抽查。

A2Board™ Our technology and quality standards are in line with international standards, and we use world-class brands from raw materials to equipment.

For example, the automatic continuous production technology of the equipment adopts the automatic control technology of ABB and Siemens, the coating coil adopts the famous aluminum products in China, the pretreatment adopts the general technology of the United States, and the coating adopts the fluorocarbon coating technology of Akzo, PPG and Becker.

we brand solemnly promises that the products we deliver can pass the online spot check of authoritative testing in China and the world.





存放方式 STORAGE METHOD

- 1、货物到达后请立即检查在运输中是否破损或受潮，如受潮应立即将包装箱打开自然通风干燥以免受到进一步腐蚀。并在第一时间联系销售人员以及落实后续保险公司索赔。
- 2、及时检查库存板材的存放环境，切勿露天堆放或是放在漏水或潮湿的仓库中。如不慎沾水或受潮，请不要用外力去损坏，请立即晾干，并联系我司确认板材是否受损。
- 3、货物箱应平置放置，不可以竖放。货箱码放高度不应超过4层，重的箱子放在下面。
- 4、当从箱子中向外取板时，由至少两个人戴上手套抓住板的四个角向上抬起，超大板应相应增加人数，不可水平拖拉，否则有可能会损坏板面。
- 5、遵循先进先出的库管原则。确保库存产品不超过6个月，如因特殊情况放置到6个月，请及时检查保护膜的特性。如有必要，请及时联系我司确认是否需要更换保护膜，以免引起不必要的移胶或是其他现象。
- 6、产品安装于室外后，请尽快撕揭保护膜。如长期遭受UV照射，保护膜会粉化或具玖胶从而造成撕揭困难。正常室外条件下我司保护的具备6个月的耐候性。

1. After the arrival of the goods, please immediately check whether they are damaged or damped during the transportation. If they are damped, open the packing box immediately and dry it with natural ventilation to avoid further corrosion. And in the first time contact the sales staff and follow-up insurance company claims.
2. Check the storage environment of the stock plates in time. Do not stack them in the open air or put them in the warehouse with water leakage or humidity. In case of water or damp, please do not use external force to damage, please dry immediately, and contact our company to confirm whether the plate is damaged.
3. The cargo box should be placed flat, not hard. The stacking height of containers should not exceed 4 layers, and heavy boxes should be placed below.
4. When taking the board out of the box, at least two people should wear gloves to hold the four corners of the board and lift it up. The number of people should be increased for the oversized board, and it is not allowed to drag it horizontally, otherwise the board surface may be damaged.
5. Follow the principle of first in first out. Ensure that the product in stock is not more than 6 months. If it is placed for 6 months due to special circumstances, please check the characteristics of the protective film in time. If necessary, please contact our company in time to confirm whether the protective film needs to be replaced, so as to avoid unnecessary glue transfer or other phenomena.
6. Please tear off the protective film as soon as possible after the product is installed outdoors. If long-term exposure to UV radiation, the protective film will be powdered or with nine glue, resulting in tear off difficulties. Under normal outdoor conditions, our products have weather resistance of 6 months each.





AB[®] ENGINEERING CASE
-工程案例

