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TO BE THE MOST VALUED PVB FILM SUPPLIER AND BEST PARTNER AROUND THE WORLD
江苏百安达新材料有限公司, 努力成为世界上最有价值的 PVB 中间膜供应商和最好的商业伙伴

PVB INTERLAYER
江苏百安达
PROFESSIONAL PVB FACTORY



江苏百安达新材料有限公司

JIANGSU BANDA NEW MATERIALS CO.,LTD



我们为建筑和汽车用夹层玻璃制造高质量的 PVB 中间膜。

We produce high-quality PVB interlayer for laminated architectural and automotive safety glass.



我们是国内唯一可以生产同时具有高隔音和高隔热性 PVB 中间膜的厂家。

We are the only company who could manufacture Sound and Solar film in China, which combine noise blocking and heat shielding in one.



百安达拥有 3 条先进的进口 PVB 生产线，年产 5000 吨高质量 PVB 中间膜。

We have 3 PVB advanced production lines and annual output of PVB interlayer film is 5000 tons.



工厂位于江苏连云港港，拥有便利的陆海交通，亦可发运青岛港和上海港。

We at the door of international port Lianyungang port, also near to Qingdao and Shanghai port.



我们通过了 ISO 9001:2015 通过质量认证体系，在百安达，质量永远第一位。

BANDA is proud to announce that it has been awarded the ISO 9001:2015 certificate, quality always comes first!



专业的技术，紧密的团队和高质量的服务是我们努力奋斗的源泉。

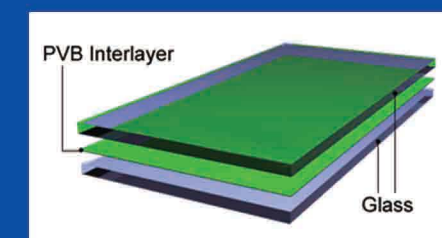
Professional technology, a united team, and high-quality service are the sources of strength for us to strive.



SAFE THANKS TO GLASS

PVB INTERLAYER & LAMINATED GLASS

Polyvinyl butyral (PVB) is a resin mostly used for applications that require strong binding, optical clarity, adhesion to many surfaces, toughness and flexibility. It is prepared from polyvinyl alcohol by reaction with butyraldehyde. The major application is laminated safety glass for automobile windshields and architectural application.



01. Safety

Laminated glass is harder to break and offers greater protection against accidental injury, attempted break-ins, and severe weather conditions. In some geographical regions hurricane resistant construction is required for safety concerns.

There is a bond between the glass and interlayer to absorb the force of accidental impact that is able to resist breakage. The beauty of laminated glass is that if the glass breaks, the shards remain stuck to the interlayer rather than breaking apart and causing harm to an individual.

02. Security

From a security standpoint if someone attempts to break in through a laminated glass window, it would take at least two good swings from a hammer to break the glass. The interlayer would hold the broken glass in place, which would take more time and effort with repeated blows to create a hole to gain entry to a home or office.

There are also other benefits of using laminated glass.

03. Ultraviolet-Proof

Being that it is a durable and versatile glazing material, laminated glass provides better protection against UV rays. Laminated glass serves as a guard for delicate plants, fabrics, carpets and furniture from fading.

04. Noise blocking

Noise gains the easiest entry to homes and buildings through windows. The usage of laminated glass has been proven to be an excellent barrier in reducing unwanted noise and sound.

Utilizing laminated glass in office workspaces can reduce stress and enhance creativity with open natural day light poring through the windows.

05. Energy saving

Using heat and light stable pigments there is an unlimited color range when combined with tinted glass and coatings. Using colored laminated glass can brighten up any work area or section off different areas of an office all the while being very easy to maintain. Laminated glass can help to reduce heat gain from sunlight and ultimately reducing air conditioning costs.

The most important benefit of laminated glass is the security aspect of the product, but what makes this material unique are the other aspects of how the glass can be utilized to improve the environment in which we live.

江苏百安达 PVB 中间膜

PVB 中间膜主要由 PVB 树脂制成，由聚乙烯醇缩丁醛树脂经增塑剂塑化挤压成型的一种高分子材料，无毒无害，本身含有很多的羟基，(OH) 基，可以与一些热固型树脂产生架桥反应以提升耐化学药品性及涂膜硬度等性能。并具有优异涂膜高透明性、弹性、韧性、耐强碱、耐油性及可挠性，与低温耐冲击性。由于其有特殊之化学结构，所以对玻璃、金属、陶瓷、塑料、皮革及木材等皆有很强之结合性。

PVB 中间膜外观为半透明薄膜，无杂质，表面平整，有一定的粗糙度和良好的柔软性，对无机玻璃有很好的粘结力、具有透明、耐热、耐寒、耐湿、机械强度高特性，是当前世界上制造夹层、安全玻璃用的最佳粘合材料，同时在建筑幕墙、罩棚、橱窗、银行柜台、监狱探视窗、炼钢炉屏幕及各种防弹玻璃等建筑领域也有广泛的应用，广泛应用于建筑、汽车、光伏等行业。采用特殊配方生产的 PVB 中间膜在航天、军事和高新技术工业等领域也有着广泛的应用，如用于飞机、航天器、军事仪器、太阳能电池和太阳能接收器等。



Banda new materials Co., Ltd is an innovative producer of high-quality PVB interlayer for laminated architectural and automotive safety glass. Located in port-city, Lianyungang , Jiangsu province. The plant benefits from excellent connections to major roads, railways networks and is at the door step of international ports such as Lianyungang, Qingdao and Shanghai. Since its creation, Banda demonstrate a dedicated commitment to be a preferred supplier of consistent quality PVB film for the architectural laminated safety glass market.

百安达新材料有限公司是一家为建筑业及汽车业夹层安全玻璃提供高质量 PVB 中间膜的生产厂家，坐落于港口城市：江苏连云港，得力于优秀的陆路铁路及海路交通，可以为世界各地的客户提供及时的送货服务，发货港亦可选择青岛港或上海港。自创建以来，我们致力于成为玻璃市场优秀的 PVB 中间膜供应商。

01 ARCHITECTURE PVB FILM 建筑级 PVB 中间膜



02 AUTOMOTIVE PVB FILM 汽车级 PVB 中间膜



03 PHOTOVOLTAIC PVB FILM 光伏 PVB 中间膜



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夹层玻璃的特点

夹层玻璃，通常用于汽车和建筑领域，将聚乙烯醇缩丁醛（PVB 中间膜），粘合在两个玻璃面板之间。键合过程是在热和压力下进行的。在这种条件下，PVB 中间膜在光学上变得清晰具有高透性，并将两个玻璃板结合在一起。一旦密封在一起，玻璃“三明治”（即层压板）作为一个单一的单位，外观看起来像一块普通的玻璃。PVB 的聚合物中间层具有粘性，所以碎裂的夹层玻璃不会产生飞溅的碎片而造成伤害。



安全 防盗

当夹层玻璃受到冲击破裂时，碎片牢牢粘在 PVB 膜上，只形成裂纹而不会爆裂伤人。想要突破夹层玻璃，需要先在玻璃上用力凿开一个洞，再强行撕开足够大的空间才能



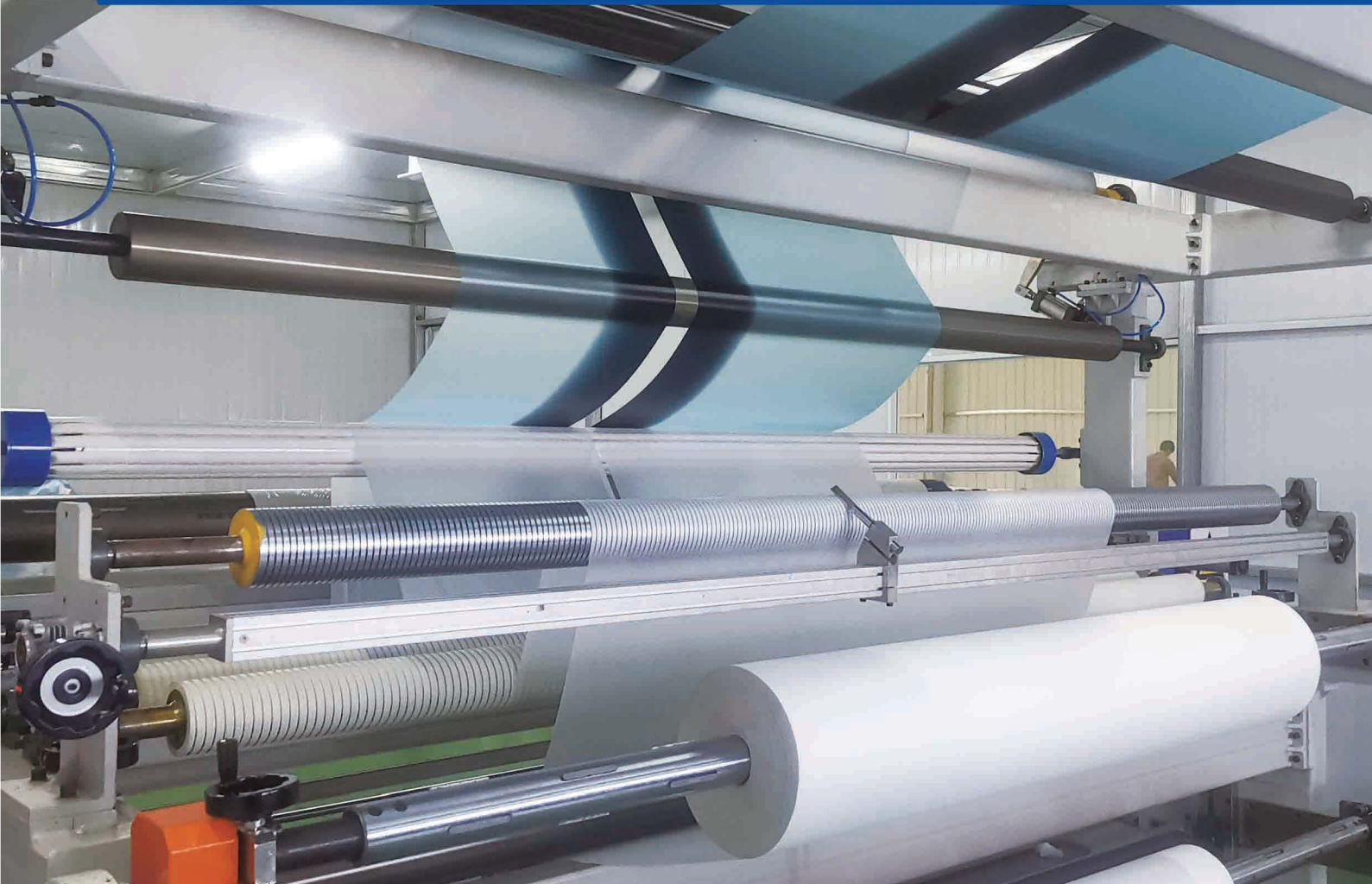
隔音 节能

使用 PVB 中间膜的夹层玻璃，可有效抑制噪音和热量的通过性，保持车内或室内的安静和清爽，降低了温控设施的能耗，节约电费 and 排放，非常的节能环保。



美观 舒适

从透明到各种颜色，由于 PVB 中间膜在颜色的生产上几乎不受限制，使夹层玻璃有了更多的颜色选择，采用彩色夹层玻璃的建筑更加的具有观赏性。

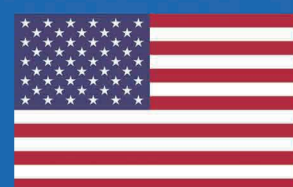




ACP FILM

Solar & Acoustic Film

百安达BANDA ACP 隔音隔热中间膜 亚鼎AETINA

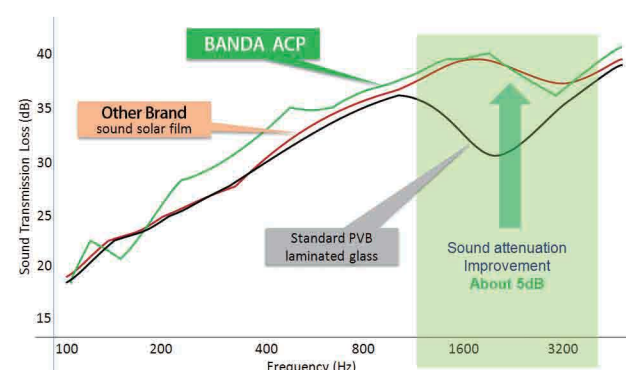


ARCHITECTURAL

BANDA PVB INTERLAYER FOR LAMINATED GLASS

百安达建筑级 PVB 中间膜

Aetina group is a branch company of America Vecast in China. We and Aetina cooperate in the ACP interlayer film is applied to laminated glass in buildings and automobiles. It is a multi-functional interlayer film that shields the vehicle cabin from both heat and noise, enhancing passenger comfort levels for a more enjoyable driving experience. It simultaneously offers quietness, high fuel economy and a high level of safety in just one single sheet of film. A revolutionary solution.

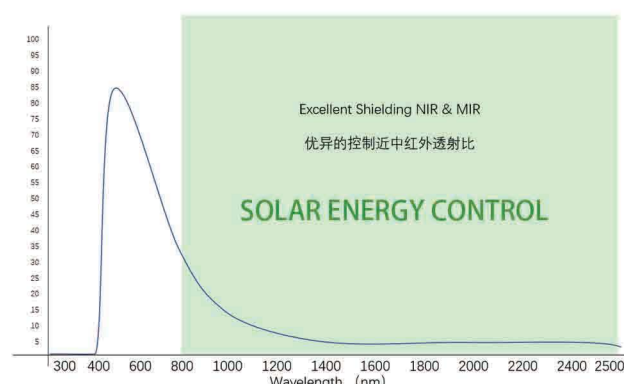


The laminated glass can not only effectively suppress low-frequency noise such as engine noise, but also effectively block high-frequency noise such as wind generated in high-speed driving.

Nano Cesium Tungsten particles in the intermediate film are utilized to achieve the absorption of ultraviolet, infrared and other selective spectra, greatly reducing the penetration of ultraviolet and infrared thermal energy through the laminated glass.

Safety: Qualified all national and industrial standards of security.
Transmittance: Visible light transmittance >70%;
Acoustical: Automobile wind shield $R_w(2+0.76+2)35dB$;
UV-Proof: Ultraviolet transmittance <1%;
NIR: Near Infrared Spectrum transmittance <10%;
Light-Heat rate improvement: >1.5;
Haze: <0.5;
Un-yellowish; Low reflective (<7%), no light pollution;
Not shield singal of mobilephone、GPS and WIFI
Effective lowing temperature 6-8 °C;

美国亚鼎从属于美国 Vecast 公司，由成立于 1992 年美国硅谷 IDN 电信公司创办，我公司与亚鼎集团通力合作开发的 ACP PVB 中间膜是一种运用于建筑和汽车的具有多功能合一的新型玻璃夹层玻璃中间膜。通过纳米材料，同时具有高隔热和高隔音的功能，提高乘客的舒适指数与驾乘体验。通过 薄薄的一层 ACP PVB 中间膜可以同时提供静谧，节约燃油和高质量的安全性。一种革命性的中间膜解决方案。目前中国地区只有我们百安达公司可以生产，产品指标比肩甚至超越国际上具有垄断地位厂家的同类产品。



亚鼎 - 百安达隔音隔热中间膜胶片是通过在 PVB 夹层玻璃中间膜中添加纳米钡化钨隔热材料，通过合理的添加隔热材料以及精心调整各种材料的纳米尺寸，使亚鼎隔热中间膜具有业界最高隔热斜率，光热比（可见光透射比 $T_{vis}/SHGC$ ）可达 Low-E 双银水平。由于对可见光 - 红外线光谱选择性，近红外透射比大幅降低，降低了太阳能总透射比 $SHGC/Sc$ ，光热比也提高到 1.5 以上，提高了窗玻璃的隔热能力，也推动汽车制造企业彻底解决车窗隔热问题，消除客户购车后贴膜的困扰和安全隐患。

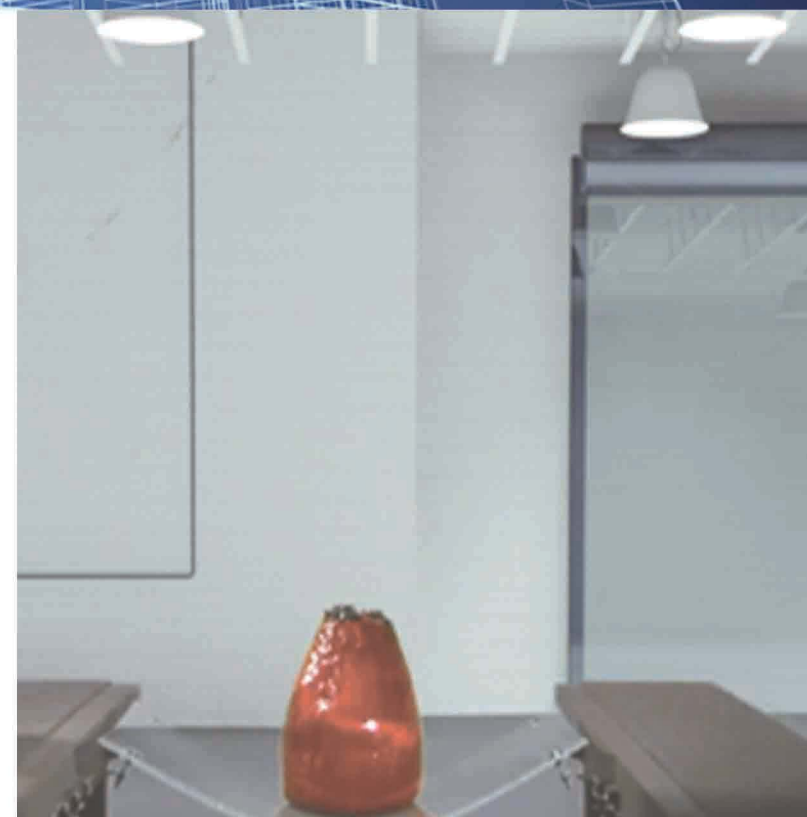
安全性: 符合国家及行业汽车玻璃的全部安全标准;
高透光: 可见光透射比 >70%;
隔音性: 汽车风窗 $R_w(2+0.76+2)35dB$;
隔离紫外线: 紫外线透射比 <1%;
隔离近红外: 近红外透射比 <10%;
提高光热比: >1.5;
雾度: <0.5;
不变黄性; 低反光 (<7%), 没有光污染
不屏蔽手机、GPS 和 WIFI 信号
有效降低空间内温度 6-8 °C;

江苏百安达对建筑夹层玻璃行业的参与非常广泛。我们提供先进的、高性能的 PVB 中间膜，有效的增强了夹层玻璃的安全性、强度、太阳能 / 紫外线控制、噪音控制等方面的特性，并通过定制中间膜颜色丰富了建筑的风格。

我们致力于建筑行业，特别是在开发创新的材料解决方案，以解决市场上最具挑战性的问题。我们的产品旨在提供卓越的性能、质量和耐久性。

Banda involvement in building and construction is widespread—and spreading. We supply advanced, high performance PVB interlayers that enhance glass in terms of safety, security, strength, solar/UV control, style, and sound control.

We are dedicated to the building and construction industry, especially in the development of innovative material solutions that solve the market's most challenging problems. Our products are designed to provide exceptional performance, quality, and durability.



SPECIFICATION

Thickness: 0.28-1.14MM
 Width: 700-2800MM
 Length: 100-500M

厚度: 0.28-1.14 毫米
 宽度: 700-2800 毫米
 长度: 100-500 米

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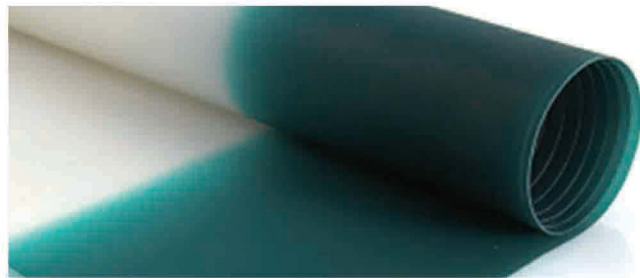
规格和颜色可以根据客户的要求定制。
 Specification and color could be ordered upon the request of customers.

AUTOMOBILE

百安达汽车级 PVB FILM FOR CAR SAFETY GLASS

Banda offers PVB films for the glazing of automobiles and other means of transport. For sleek new windcreens, styled side and back windows, and panoramic sunroofs, manufactured with Banda exceptional standards PVB interlayer, it delivers high-performance benefits that create better brand experiences: UV/solar control, glare reduction, optimal light transmittance, enhanced sound control, and safety.

江苏百安达新材料有限公司为汽车以及其他类机动设备例如游艇等提供安全玻璃使用的 PVB 中间膜。对于时尚的挡风玻璃，有格调的侧窗和后窗，以及全景天窗，使用百安达生产的高质量 PVB 中间膜，具有高标准的表现力并为生产厂商创造出更有价值的品牌体验：紫外线控制，减少炫光，最大化的可见光透射率，并提高了噪音控制能力和安全性控制的能力。



The Green Benefits of BANDA PVB Interlayer

江苏百安达 PVB 中间膜的相关绿色节能特点

ONE: Lower cabin temperatures, reduce A/C load.

When the A/C runs less, drivers save fuel.

TWO: Improve fuel efficiency, Reduce CO².

From the fuel saving in step 1, we can reduce the annual amount of CO² to our envirement.

THREE: Reduce A/C load, extend electric vehicle range.

When the A/C runs less, electric vehicles can extend their range between 15% and 25% under typical conditions compared to vehicle range with a standard full A/C load.

1. 降低车内温度，减少空调载荷，

当空调以更低的功率运行时，可以节省更多的燃油；

2. 提高燃油经济性，减少二氧化碳排放。。

从第一步来说，在降低燃油消耗的同时，我们也降低了向环境排放二氧化碳的量。

3. 减少空调运转功率，提升电动汽车的行驶里程。

当空调运行的更少，在标准情况下对比空调满负荷运转，电动汽车可以提高行驶里程 15% 至 25% 左右。

PHOTOVOLTAIC PVB INTERLAYER

百安达光伏 PVB 中间膜

为了保证太阳能模块能持续稳定的制造能源，百安达为光伏市场提供高透高粘合力的 PVB 中间膜，具有以下功能：

1. 保护太阳能模块不受物理损坏；2. 各种气候适应性；3. 电气绝缘；4. 隔绝氧气和水汽；5. 避免模块腐蚀；6. 可与其他物体粘合（玻璃，模块，背膜等）；7. 高透性和抗紫外线（避免塑料制品老化）。

To ensure module durability and long-term power generation, BANDA currently working on the market launch of a high quality films which is designed for :

- Adapted adhesion to other module components (glass, cell, backing film, contacts etc.)

- High transparency and high UV protection (to prevent degradation of the plastic)



- Prevention of cell corrosion

- Mechanical protection of the cell

- Protection from weathering

- Electrical insulation

- External impact resistance

- Barrier to oxygen and water vapour

江苏百安达新材料有限公司

努力成为世界上最有价值的PVB中间膜供应商和最好的的商业伙伴

TO BE THE MOST VALUED PVB FILM SUPPLIER AND BEST PARTENER AROUND THE WORLD



WHY CHOSE US 为什么选择我们？

Banda is committed to helping its clients reach their goals, to providing an innovative environment, and making a difference.
百安达致力于帮助我们的客户实现他们的目标，持续的提供创新的产品和极致的服务。

1 Reputable 声誉

Our proudest accomplishment is the large number of long term clients who year after year put their trust in us.

我们最自豪的成就是大量的长期客户，他们年复一年地信任我们。

2 Professional Team 专业团队

We own seasoned, professional technicians with at least 5-10 years experience and usually many more.

我们的工程师拥有 5-10 年的行业经验，有一些甚至更久，一个团结紧密的团队，是制造优良产品的保证。

3 Best Partner 最好的伙伴

We sit on the same side of the table as YOU to provide business solutions to business problems.

我们是您休戚与共的伙伴，我们愿意协助解决您的任何问题，无关生意。

4 Fast Response 快速反馈

Fast response time guaranteed. We always ready to answer your call or mail ASAP.

无论是电话还是邮件，我们保证第一时间反馈您。

5 Satisfaction Guaranteed 服务保证

We want you to be completely satisfied with our products and services.

我们致力于让您完全满意我们的产品和服务。

BANDA PVB

your global partner
for laminated safety glass .

江苏百安达

您的夹层安全玻璃
全球商业伙伴。

