



筑恒科技  
ZHUHENG TECH

# 筑恒盾牌® 气密性材料

## 公司简介

河北筑恒科技有限公司创立于2017年，总部和工厂位于石家庄，设有北京办事处和全资子公司筑恒怡家（上海）科技有限公司，作为国内较早研制建筑气密性材料的企业，致力于为超低能耗建筑行业用户提供高品质产品和全方位技术支持。

2019年筑恒科技首次参展中国住博会和世界被动房大会，加入了中国被动式低能耗建筑产业技术创新战略联盟，产品入围了第八批被动房产品选用目录。筑恒盾牌®系列防水透汽膜&隔汽膜是专为国内被动房而研制，着重于人性化设计和定制化服务，适应国内产业发展现状。产品兼顾打胶型和自粘型，具备强韧、高粘性、耐老化和易施工等特性，可有效提升施工效率，降低施工质量风险。

筑恒科技与英国VITA集团签署战略合作，推进Vitaseal预压自膨胀密封带产品服务于中国用户。深度参与编制了河北省、上海市等多个省市的超低能耗建筑地方标准和《建筑用气密性材料应用技术规程》等多个行业团体标准，以及国内第一部大学教材《超低能耗建筑设计原理》，积极为本土化标准建设建言献策。目前筑恒盾牌®气密性材料已在全国100多个大型超低能耗建筑项目中成功应用，稳居行业前三，签约了多家战略合作伙伴，受到了业内的高度认可。

经过六年的发展，筑恒科技荣获了“高新技术企业”认定，并先后成为了河南省被动式超低能耗建筑产业技术创新战略联盟、河北省超低能耗建筑行业协会和北京建筑五金门窗协会的的常务理事单位。筑恒科技因气密性材料而生，愿与业界同仁一道，为双碳目标而努力，让建筑更节能，让居住更舒适！

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筑恒科技  
ZHUHENG TECH

# ZHUHENG DUNPAI® *Air-tight Material*

## Company Profile

Hebei Zhuheng Technology Co., Ltd., headquartered and factory located in Shijiazhuang, is a national high-tech enterprise with a Beijing office and a wholly-owned subsidiary, Zhuheng Yijia (Shanghai) Technology Co., Ltd.

The company's own brand ZHUHENG DUNPAI® series waterproof and vapor permeable membrane & vapor barrier membrane is specially developed for domestic passive rooms.

The company has deeply participated in the preparation of local standards in multiple provinces and cities such as Hebei Province and Shanghai, as well as multiple industry group standards such as the Technical Regulations for the Application of Airtight Materials for Construction, as well as the first university textbook in China, Design Principles of Ultra Low Energy Buildings. At present, ZHUHENG DUNPAI® airtight materials have been successfully applied in more than 100 large ultra-low energy consumption building projects in the country, ranking among the top three in the industry. Zhuheng Tech has successively become the executive director unit of the Henan passive ultra-low energy consumption building industry technology innovation strategic alliance, Hebei ultra-low energy consumption building industry association and Beijing Building Hardware and Windows Association.

Hebei Zhuheng Technology Co., Ltd.

No. 202, Gree supporting industrial park, Gaoxin District, Shijiazhuang

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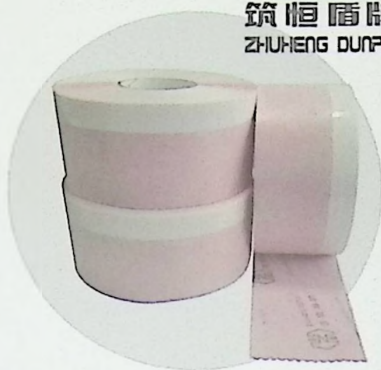
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## ● DP-in Waterproof and Vapor Barrier Membrane

ZHUHENG DUNPAI® DP-in Waterproof and Vapor Barrier Membrane is made of first-line brand raw materials and processed finely. It has a multi-layer composite structure, which has flexible texture as well as good strength and ductility in both horizontal and vertical directions. One side of the product is self-adhesive with high viscosity, which is used to bond to the window frames. The other side needs DP-HD200 Dedicated Glue to bond to the wall.



Application: It is used to seal the joints between doors, windows, panels, pipes and walls on the indoor side of ultra-low energy buildings, and also at corners. It is not easily stratified or broken.

## ● DP-Out Waterproof and Vapor Permeable Membrane

ZHUHENG DUNPAI® DP-out Waterproof and Vapor Permeable Membrane is a kind of soft special waterproof raincloth with high strength, high toughness, flexible operation and easy installation. Its unique performance in waterproof and vapor permeability can greatly improve the energy saving, durability and comfort of buildings.



Application: DP-out Waterproof and Vapor Permeable Membrane is a key component to ensure the air tightness of doors and windows. It can be used for the air-tight processes of the joints between doors, windows, panels and walls on the outdoor side of buildings. It should be used in cooperation with DP-HD200 Dedicated Glue.

## ● DP-HD200/210/220 Dedicated Glue

ZHUHENG DUNPAI® DP-HD200/210/220 Dedicated Glue is a special adhesive specially developed for waterproof and vapor permeable/barrier membrane. It is finely produced and made of raw materials imported from Japan. The product has excellent air tightness, bonding strength, elasticity and weatherability. After curing, it forms a stable rubber elastomer, which can be used for elastic sealing of displacement joints.



Application: The product has excellent bonding and sealing properties with cloth, plastics, wall, wood and aluminium. It is specially used for bonding and sealing the waterproof and vapor permeable/barrier membranes to walls. It shows good elasticity after curing and can withstand large displacement of structural parts.



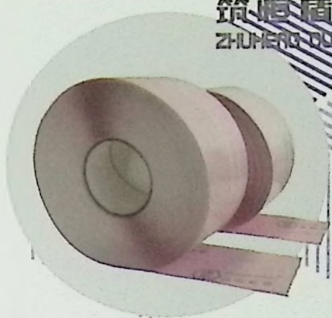




筑盾盾牌  
ZHUHENG DUNPAI

### ● DPad-in Waterproof and Vapor Barrier Membrane Tape

ZHUHENG DUNPAI® DPad-in Waterproof and Vapor Barrier Membrane Tape is a kind of high viscous adhesive tape based on special composite materials. It has a strong self-adhesive sticker of 15-20 mm wide on one side, which can be easily fixed on the door or window frames, while on the other side is coated with high-performance pressure-sensitive self-adhesive, which can be effectively bonded to the wall surface. This unique structural design makes it more convenient to construct on the basis of ensuring superior performance.



Application: It is used to seal the joints between doors, windows, panels, pipes and walls on the indoor side of ultra-low energy buildings. On the back it has high-performance adhesive sticker, can be bond to uneven surface. The release liner can be torn out in different zones, which makes the construction convenient.

### ● DPad-Out Waterproof and Vapor Permeable Membrane Tape

ZHUHENG DUNPAI® DPad-out Waterproof and Vapor Permeable Membrane Tape is made of flexible, strong, waterproof and moisture permeable multi-layer composite material, coated with high performance pressure-sensitive adhesive film, and processed by high precision equipments. It has a soft texture and strong adsorbability to adhesives. The self-adhesive film has strong initial and persistent stickiness, and can be coated in different zones. One side is bonded to the door or window frames, and the other side is bonded to the wall. The bonding is firm and the installation is convenient.



Application: DPad-out Waterproof and Vapor Permeable Membrane Tape can be used for air-tight processes of the joints between doors, windows, panels and walls on the outdoor side of buildings. Its construction is less affected by weather, which can effectively improve construction efficiency and save labor costs.

### ● Pre-compressed Joint Sealing Tape



Vitaseal 300/600 Pre-compressed Joint Sealing Tape is a modified flame retardant material based on polyurethane foam. One side of the product is self-adhesive, which can be fixed on one side of the joint. After release, it springs back slowly. It is filled in the joint of the building under the compression state, playing the role of thermal insulation, wind protection and dust prevention.

Application: It can be used to seal joints between building structures, window frames and walls; to resist wind, dust, rainstorm and splashing water; has good performance in sound and heat insulation in the mean time. It can replace the traditional styrofoam, and constitute the sealing system together with the waterproof and vapor permeable/ barrier membranes.





筑恒盾牌  
ZHUHENG DUNPAI

## ● DP-in防水隔汽膜

筑恒盾牌® DP-in防水隔汽膜采用一线品牌原材料，精细加工而成。多层复合结构，质地柔韧，可抹灰，抗老化耐腐蚀。产品一侧自带超高粘性不干胶，用于粘结窗框，另一侧需要使用专用胶粘剂DP-HD200/210粘接到墙体，确保接缝处的水密性和气密性。

◆应用：用于超低能耗建筑室内侧的门、窗户、嵌板、管道与墙体的接缝密封，亦适用于转角处。不易分层、不易破裂。



## ● DP-out防水透汽膜

筑恒盾牌® DP-out防水透汽膜是一种柔软的高强度、高韧性的专用防水雨布，使用灵活，安装方便，且其独特的防水透汽性可以使建筑的节能性、耐久性和舒适性均得到很好的改善。

◆应用：DP-out防水透汽膜是保证门窗气密性的关键部件，可用于建筑室外侧的门、窗、嵌板与墙体结合处的气密性处理，与专用胶粘剂DP-HD200/210配合使用。



## ● DP-HD200/210/220专用胶

筑恒盾牌® DP-HD200/210/220是专为防水透汽膜、隔汽膜开发的特种胶粘剂，采用国际一线原材料，精细制作而成。产品具有优异的密封性、粘接性、弹性、耐候性、抗水性和环保性，固化后形成稳定的橡胶弹性体。



◆应用：该产品与布基、塑料、墙体、木材、铝材均呈现优异的粘接密封性。专用于防水透汽膜、隔汽膜和墙体的粘接密封；固化后呈现良好弹性，可承受结构件的较大位移量。







筑恒盾牌  
ZHUHENG SHIELD BRAND

## ● DPad-in防水隔汽膜胶带

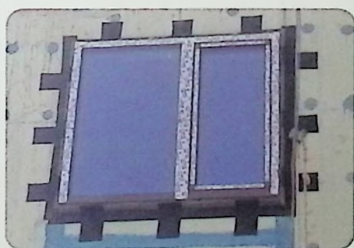
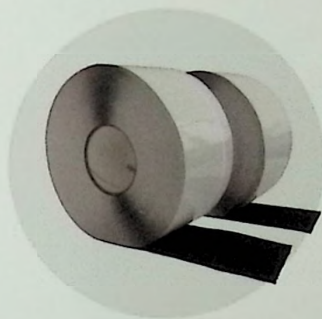
筑恒盾牌® DPad-in防水隔汽膜胶带是一种以特种复合材料为基材的高粘性胶带，分为单面、双面、标准胶厚、超厚胶层等多个系列。膜材柔韧，可抹灰，胶层具有抗老化性、超高粘性和环保性。一侧粘贴在门窗框体上，另一侧粘接至墙体。此独特的结构设计，使其在保证优越性能的基础上，施工更加便利。



◆应用：用于超低能耗建筑室内侧的门、窗户、嵌板、管道与墙体的接缝密封。自背高性能不干胶，可粘接不平整表面。离型膜分区且外露，施工便利。

## ● DPad-out防水透汽膜胶带

筑恒盾牌® DPad-out防水透汽膜胶带采用柔韧、强劲、防水、透湿的多层复合材料作为基材，涂覆高性能的压敏不干胶膜，由高精度设备复合加工而成。质地柔韧，吸沙灰性强。与隔汽膜配合使用，可保证接缝处的水密气密，防止结露发霉，环保、抗老化，使用便利。



◆应用：DPad-out防水透汽膜胶带可用于建筑外侧的门、窗、嵌板与墙体结合处的气密性处理。施工受天气影响小，可有效的提高施工效率，节省人工成本。

## ● 预压自膨胀密封带



Vitaseal 300/600是一种基于聚氨酯泡棉的改性阻燃材料。一面自背不干胶，可固定于接缝的一侧，释放后缓慢回弹，在压缩状态下填充于建筑接缝处，起到隔热、隔音、防风、防尘的作用。

◆应用：应用于建筑构件之间、窗框与墙体间的接缝密封，抵御风尘、暴雨和溅水，同时具有很好的隔音、隔热性能，可以取代传统的发泡胶，与防水透汽膜、隔汽膜共同组成密封系统。

