

北新绿色住宅有限公司
BNBM Green House Co., Ltd.

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北新

金邦板
Fiber Cement Siding



北新建材序言:北新集团建材股份有限公司(简称北新建材)以“推进建筑、城市、人居环境的绿色化”为使命,打造全生命周期的绿色化建筑产业链,发展循环经济推进绿色制造和智能制造。致力于发展成为拥有自主品牌、自主知识产权、核心业务排名第一、具有世界水平的跨国公司。打造360度无死角的财务报表,打造世界级品牌,打造世界级工业标杆。

PREFACE

With the mission of “promoting the greening of buildings, cities and human settlements”, BNBK is committed to developing into a multinational company with its own brands, independent intellectual property rights, and the world's number one core business with world-class status. Create a 360-degree financial statement with no dead ends, build a world-class brand, and build a world-class industry benchmark.

CATALOG
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打造360度无死角的财务报表,打造世界级品牌,打造世界级工业标杆。

Create a 360-degree financial statement with no dead ends,
build a world-class brand, and build a world-class industry
benchmark.

2004

在中国-新加坡政府合作
苏州工业园区建厂

2006

金邦板通过新产品鉴定，
并成功用于韩国三星总部办公楼

2007

作为行业标准主要起草单位之一，起草编制了《纤维增强
水泥外墙装饰挂板》行业标准

2008

作为节能抗震新型外墙材料，参与国务院国资委援建都江堰
项目

2009

顺利通过国家级实验室的幕墙等级测试，标志着金邦板正式
进军中高层建筑幕墙领域

2010

成功中标中国（太原）煤炭交易中心

2011

金邦板清彩板系列新品问世，并应用于太阳宫新城高层幕墙系统

2012

《纤维增强水泥外墙装饰挂板》行业标准颁布执行

2013

成功中标委内瑞拉项目并顺利完成赞比亚等国外超大型工程
项目的供货

2014

《金邦板系列建筑结构专项图集》颁布

2016

作为参编单位推进《13J103-7人造板材幕墙》国标通用图集出版
实施

2018

做为主编单位推进完成《18CJ60-3 金邦板幕墙、外围护复合墙体系统》
国标专项图集

大事记

H
i
s
t
o
r
y

肩负
低碳
社会
责任
传承
发展
建筑
艺术
低碳为

兴
国
利



果戈里

*Nikolai
Vasilievich Gogol*

建筑是世界的年鉴，当歌曲和传说已经缄默，
它依旧还在诉说。

Architecture is world's yearbook ,it will still pour out when
songs and legends become silent.

北新建材

Company Profile

引领中国新型建材行业蓬勃发展



北新集团建材股份有限公司(简称北新建材)是世界500强央企中国建材所属的新型建材产业平台, A股上市公司, 1979年在小平同志亲切关怀下成立, 目前是中国最大的新型建材产业集团、全球最大的石膏板产业集团。北新建材实施以“技术创新、品牌建设”为引擎的制高点战略, 构建绿色产业链集群, 为各类建筑提供各种新型建材产品。为墙体革新、装配式建筑提供系统解决方案; 推行“双线择优”管理模式; 成功打造了质量、技术、价格、效益、规模全面超越世界500强外资品牌的中国自主高端品牌龙牌。目前拥有2400多项国家专利, 品牌价值582亿; 在一个充分竞争、完全开放的制造业赢得50%的市场份额。2004年以来实现年平均净利润复合增长率达30%, 2017年实现归母净利润23.4亿元, 资产负债率降至22%。

北新建材是国家级创新型企业, 荣获中国工业大奖、全球石膏行业突出贡献奖、中国工业企业质量标杆、国家级企业管理现代化创新成果一等奖、中国最佳股东回报上市公司等荣誉, 被国资委作为中央企业提质增效转型发展新典范以工作专刊上报国务院, 被清华大学经管学院作为第一个“文字+视频”企业案例中英文全球发布。



Beijing New Building Material Public Limited Company (referred to as BNBm) is the New Building Materials industry platform affiliated to CNBM, one of the world's top 500 central enterprises. It is A listed Company with a-share. It was founded in 1979 under comrade xiaoping's kind care. Beixin building materials implements the commanding high point strategy with the engine of "technological innovation and brand construction", constructs the green industrial chain cluster, and provides various new building materials products for all kinds of buildings. Provide system solutions for wall innovation and prefabricated buildings; Implement the management mode of "two-line selecting the best"; We have successfully built the dragon brand, a Chinese independent high-end brand, whose quality, technology, price, efficiency and scale surpass those of the top 500 foreign brands in the world. At present, it has more than 2,400 national patents and its brand value is 58.2 billion yuan. Win a 50% market share in a fully competitive, fully open manufacturing sector. Since 2004, the annual average net profit compound growth rate has reached 30%. In 2017, the net profit of parent company reached 2.34 billion yuan, and the asset-liability ratio dropped to 22%.

BNBM is a national innovative building materials enterprises, won the Chinese industry awards, global gypsum industry outstanding contribution, China's industrial enterprise quality benchmark, the modernization of national enterprise management innovation prize, the best returns to shareholders of China listed companies, such as honor, by state-owned assets supervision and administration as a central enterprise quality, and the synergistic transformation development special issue new model to work submitted to the state council, be school of management, tsinghua university as the first "text + video" business case global release in both English and Chinese.



北新绿色住宅有限公司

金邦板

BNBM fiber Cement Siding

北新绿色住宅有限公司是北新集团建材股份有限公司的全资子公司, 是北新建材于2004年在中国新加坡政府合作苏州工业园区投资兴建的现代化生产制造企业。北新绿色住宅有限公司拥有投资2.4亿元建设的年产300万平米金邦板(纤维增强水泥外墙装饰挂板)生产线, 该生产线成套引进国外先进设备和技术工艺, 整条生产线自动化水平高, 其主要生产工艺参数均通过电脑加以控制, 以确保产品的各项物理性能。

金邦板(纤维增强水泥外墙装饰挂板)是一种集外围护、外保温、外装饰为一体的新型低碳墙体材料, 以不含石棉等对人体有害物质的水泥、植物纤维等为原料经过行业独有真空及空心挤出成型工艺, 经过完善的材质稳定性双阶段蒸压养护、涂装、包装等工序加工而成。金邦板按断面结构分为两大系列“实心金邦板”(S系列)和“中空金邦板”(K系列)。

金邦板不仅可以作为外围护结构墙体独立使用, 还可与保温材料配合构成外墙保温结构体系、复合墙体结构体系等。可广泛用于各类新建工业与民用建筑、以及既有建筑节能改造工程等。金邦板产品的标准工业化生产工艺保证了板材的质量稳定性。

BNBM Green House co., LTD is a wholly-owned subsidiary of Beijing New Building Materials Public Limited Company. It is a modern manufacturing enterprise which invested and built by BNBm in cooperation with the Chinese Singapore in Suzhou Industrial Park in 2004. BNBm Green House had invested 240 million yuan to build an annual production line which capacity of 3 million square meters of BNBm Fiber Cement board (fiber reinforced cement exterior wall decoration board). The line is completed by full set of aboard advanced equipment and technology—highly automated and mainly computer controlled, to ensure all products physical properties.

Jinbang Board (BNBM Fiber Cement Siding) is a new kind of low-carbon cladding material, 3 functions as a whole: cladding, insulation and decoration. It is made from cement and wooden fiber. Asbestos and harmful substance free. It is produced by vacuum and hollow extrusion molding process which is industry unique, well finished by double stages autoclaved cunng, coating and packing process. Distinguished by the section, Jinbang Board (BNBM Fiber Cement Siding) includes 2 series: solid fiber cement siding (S Series) and hollow fiber cement siding (K Series).

Jinbang board (BNBM Fiber Cement Siding) is not only adopted separately as cladding, but also adopted to form external wall insulation structure system, composite wall system, etc., combined with thermal insulation materials. Nowadays, Jinbang board (BNBM Fiber Cement Siding) has been widely used for industrial and civil buildings, existing external wall transformation, etc. The standard and industrial process holds quality stable.

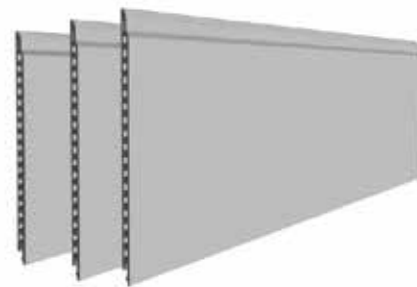
经典产品

Classic Product

朴实无华 自然沉稳 厚重与清雅的至简之美，
表达出浓厚的建筑情感。



K系列-清水板
K Series-Fair-faced
Concrete Board



K15-0LA/ K20-0LB/ K26-0LC

3000×300×15 (mm)

3000×450×20 (mm)

3000×600×26 (mm)

注：1. 图片颜色请以实物为准。

2. 规格尺寸详见产品信息。

Note: 1. The picture is for reference only, the actual item is the standard

2. Specification for details refer to product information.



经典产品 Classic Product

K系列—高级无机饰面板

K Series-Senior Inorganic Board



K15-OLA/K20-OLA
3000×300×15(mm)
3000×450×20(mm)



注：1. 图片颜色请以实物为准。
2. 规格尺寸详见产品信息。

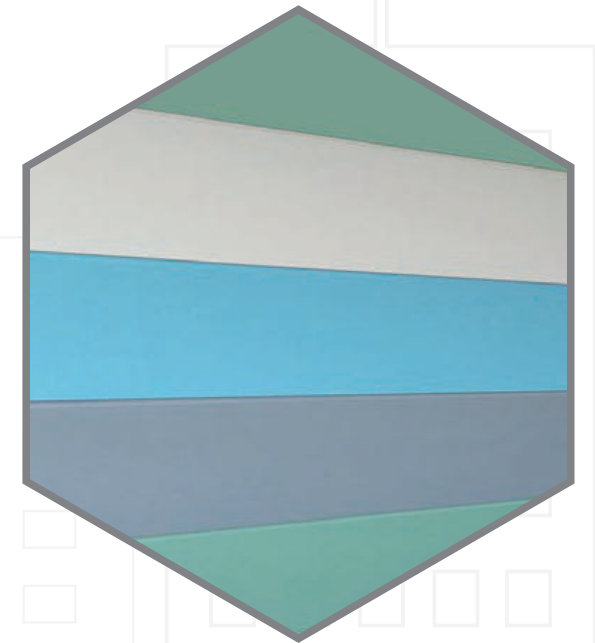
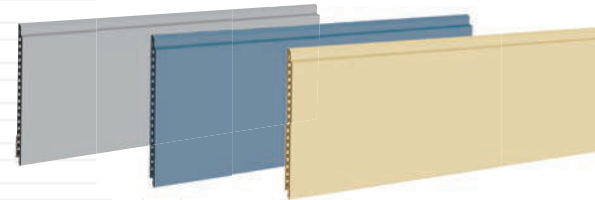
Note: 1.The picture is for reference only,the actual item is the standard.
2.Specification for details, refer to product information.

※ K系列高级无机饰面板适用于高档幕墙装饰领域及地下工程。

K series senior inorganic board used in high-grade curtain wall decoration field and underground engineering.



K系列—普通涂装板 K Series-Painting Board



注：1. 图片颜色请以实物为准。
2. 规格尺寸详见产品信息。
3.K系列金邦板表面可根据客户需求进行不同颜色不同档次的涂装。

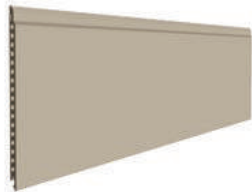
Note: 1.The picture is for reference only,the actual item is the standard.
2.Specification for details, refer to product information.
3.The surface of K series fiber cement siding can be coated into different colors and grades according to the customer's demand.

经典产品

Classic Product



K系列-清彩板 通体一色，历久弥新
K Series-Colored Board



标准色卡
Standard Color Card

注：图片颜色请以实物为准。

Note: The picture is for reference only,the actual item is the standard



C-01 米黄



C-02 沙漠金



C-03 柚红



C-04 陶土红



C-05 砖红



C-06 玛瑙红



C-07 中国红



C-08 暖陶



C-09 咖啡棕



C-10 绛红



C-11 沙漠黄



C-12 香草金



C-13 杏黄



C-14 高原黄



C-15 香草绿



C-16 湘竹绿



C-17 铂金灰



C-18 清水



C-19 岩石灰





经典产品 Classic Product

全面替代石材，
实现“个性化设计，
工业化生产”



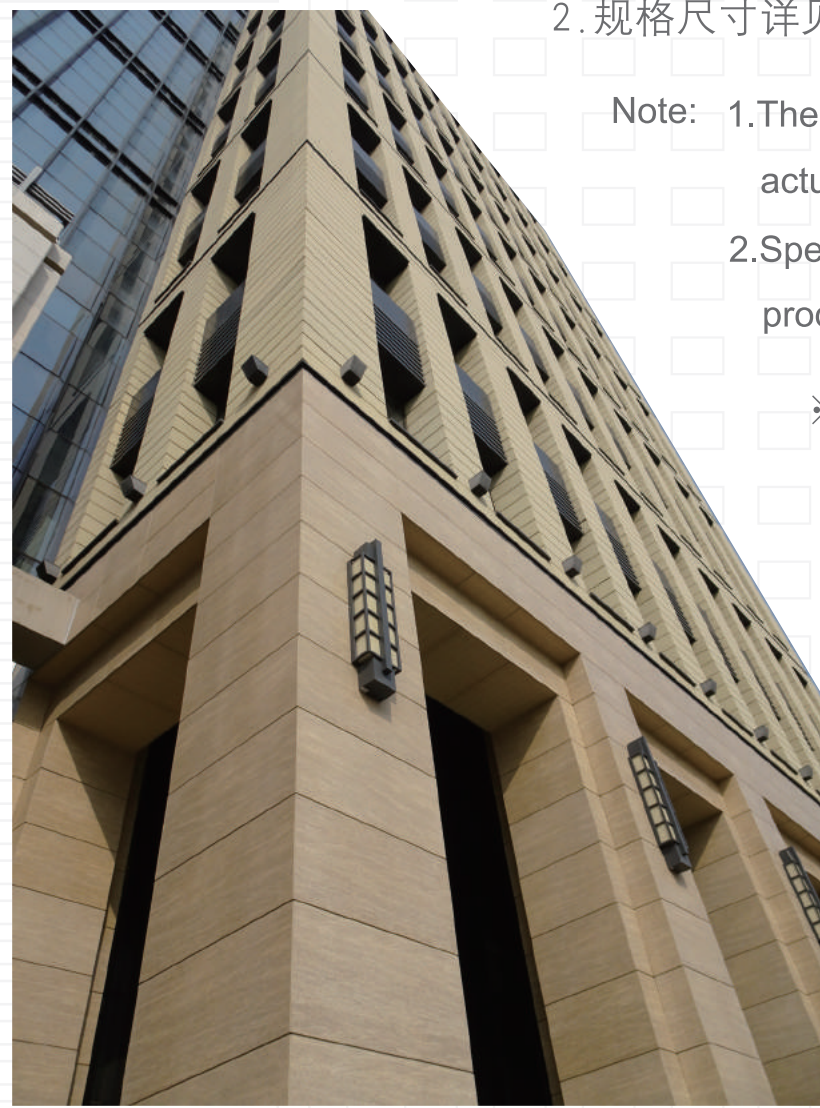
K系列- 赛石系列 K series- stone effect

注：1. 图片颜色请以实物为准。
2. 规格尺寸详见产品信息。

Note: 1.The picture is for reference only,the
actual item is the standard.
2.Specification for details, refer to
product information.

※ 该系列产品主要应用于展示中心、
高档办公楼等需要石材效果的
公共建筑。

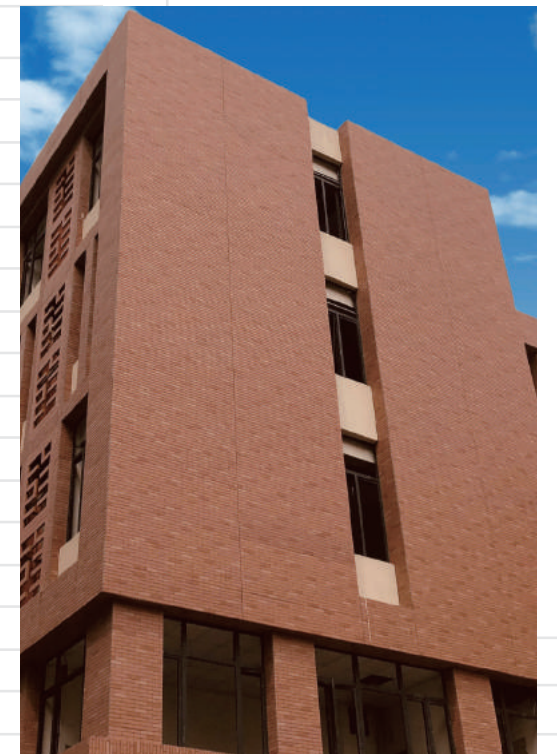
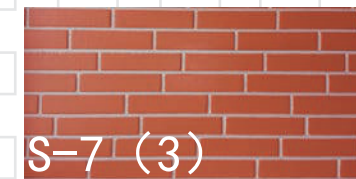
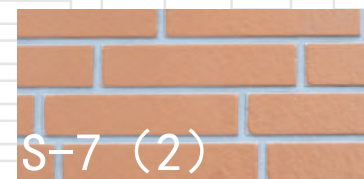
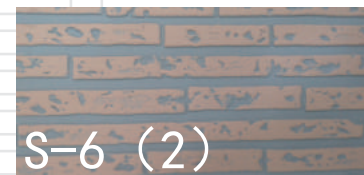
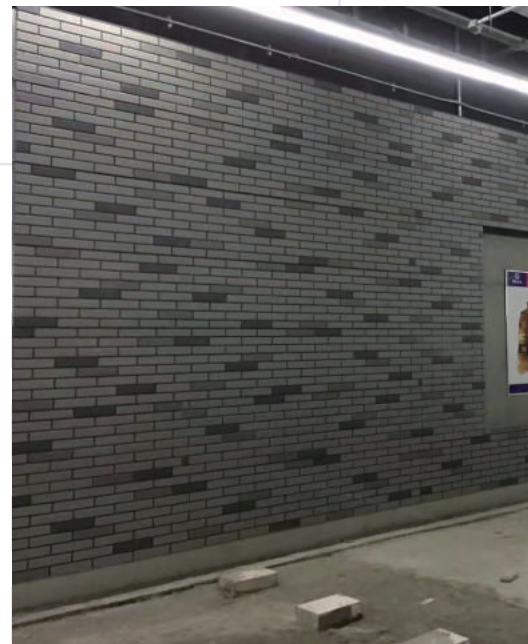
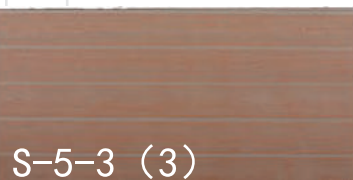
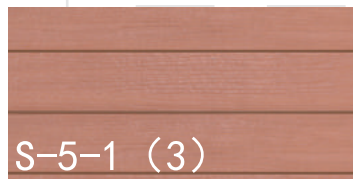
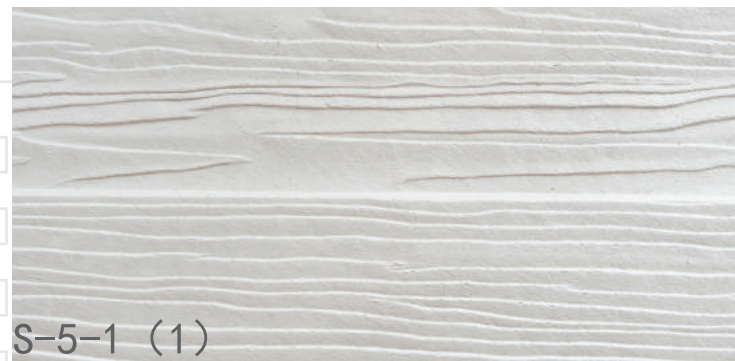
This series of products are
mainly used in the exhibition
center, high-grade office building
and other public buildings in need
of stone effect.



- S系列产品一览 - S Series Product

注：图片颜色请以实物为准。

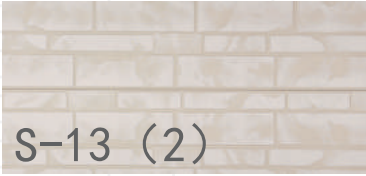
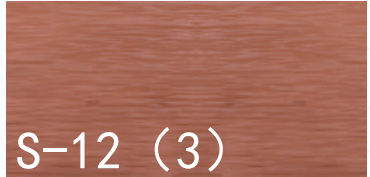
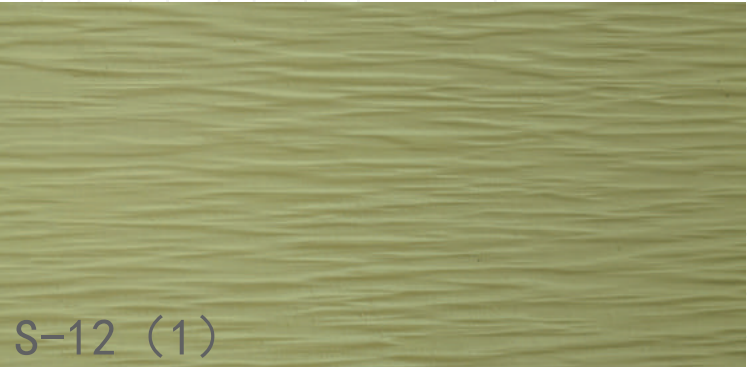
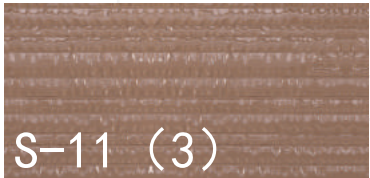
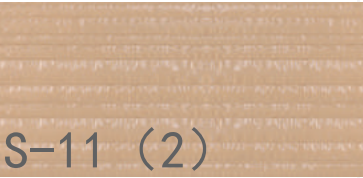
Note: The picture is for reference only, the actual item is the standard



S系列产品一览 S Series Product

注：图片颜色请以实物为准。

Note: The picture is for reference only,the actual item is the standard



产品信息

Product Information

金邦板产品规格
The specification of BNBM Fiber Cement Siding

产品代号 Product code	宽度 (mm) Width	有效宽度 (mm) Valid width	有效长度 (mm) Valid length	厚度 (mm) Thickness
K15-0LA	315	300	3000	15
K20-0LB	465	450		20
K26-0LC	615	600		26
S16	470	460		16

- 注：1. 产品代号中的A、B、C表示产品的企口类型。
Product code-named the“A、B、C”stand for the type of the tongue-and-groove
2. 企口不同的产品不能相互嵌套使用。
Different products can't be jointed each other.
3. “有效宽度”指金邦板安装完成后可视面单板的宽度，“有效长度”指金邦板安装完成后可视面单板的长度（含板材接缝）。
“Effective width” refers to the width of the visible surface after the installation of the boards;
“Effective length” refers to the length of the visible surface after the installation of the boards (including the fastening piece).

金邦板性能技术指标：
Performance

序号 No.	检验项目 Item	检测依据 Test standard	标准指标 Standard index	检验值 Test result	
				K系列 K series	S系列 S series
1	弯曲破坏荷载 (N) Flexural load(N)	JC/T 2085-2011	K系列≥1100N, S系列≥785N	1800~3500N	1000~1300N
2	耐冲击性 (mm) Impact resistance (mm)	JC/T 2085-2011	无贯通龟裂 No map crack	无 No map crack	
3	耐透水性 (mm) Impermeability(mm)	JC/T 2085-2011	水面降低<10mm Decline of surfacewater<10mm	1~2mm	1~3mm
4	燃烧性能 Non-conbustidility	GB 8624-2006	————	A1级	A1级
5	含水率 (%) Percentage of moisture(%)	JC/T 2085-2011	≤20	4~12 (素板)	6~12 (素板)
6	吸水率 (%) Percentage of water absorption(%)	JC/T 2085-2011	素板≤25, 装饰板≤15	5~11 (素板)	5~13 (素板)
7	抗冻性 Forst resistance	JC/T 2085-2011	剥离面积<2%, 无层间剥落, 变化率<10% Peel area<2%, no peel between layer, Variable rate of thickness<10%	200次无剥离, 无层间剥落, S系列厚度变化率0.14%, K系列厚度变化率0.09. No peel area, no peel between Layer, Variable rate of thickness is 0.14% (0.09%)	
8	湿胀率 (%) Length swelling(%)	JC/T 2085-2011	≤0.3	素板≤0.2	素板≤0.2
9	无石棉分析 Percentage of asbestos	HBC 19-2005	————	不含石棉 No asbestos	
10	导热系数 {W/(m·k)} Thermal conductance cofficient	GB/T 10294-1988	————	0.1767	0.21
11	放射性 Radiatactivity	GB 6566-2001	内照射指数 (IRA) ≤1.0	0.1	
			外照射指数 (IRA) ≤1.0	0.1	

复合墙体性能
Complex wall performance

序号 No.	项目 Item	检测依据 Test standard	检测结果 Test result	检测单位 Test organization
1	隔声性能 Sound insulation performance	GBJ75-84; GB121-88	54dB	中国建筑科学研究院 China Academe of Building Beseach
2	复合墙体热阻 Complex wall heat resistance	GB/T13475-2008	2.2m2·K/W	
3	耐火极限 Refractoriness	GB/T9978-1999	1.85h	国家固定灭火系统和耐火构件质量监督检验中心 Stete fixed fire extinguisher system and refractory component quality supervision and inspection center

幕墙检测性能
Performance

序号 No.	产品代号 Product code	项目 Test Item	检测依据 Test standard	检测结果 Test Result	检测单位 Test organization
1	K20-0LB	气密性能 air permeability performance	GB/T21086-2007	3级	国家建筑材料测试中心 national research center of techniques for building materials
		水密性能 watertightness performance		3级	
		抗风压性能 wind load resistance performance		9级	
2	K26-0LC	气密性能 air permeability performance	GB/T15227-2007	3级	
		水密性能 watertightness performance		3级	
		抗风压性能 wind load resistance performance		7级	

金邦板特点 BNBM Fiber Cement Siding Excellences

绿色环保 Green

采用零石棉配方，无放射性，生产使用回收过程无污染排放。
Asbestos and Harmful Substance Free, No Radioactivity, No Pollution in Production and Recycle.



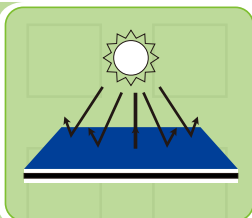
隔声隔热防火 Sound and Thermal Insulation & Fire Proof

具有优良的隔声、隔热性能，适用于工业与民用建筑及路桥隔声屏障；以水泥等无机材料构成，达到防火A1级标准。
Hollow Structure — Excellent Sound and Thermal Insulation, Suitable for Commercial and Civil Buildings, Road and Bridges Screens; Made from Cement and Other Inorganic Materials — A1 Class Fire Proof.



轻质高强 Light and Strong

真空挤出成型，密度高，尺寸稳定，力学、耐候性能优越。
Vacuum Extrusion Molded, High Density, Stable Specification, Weather Resistant, Eco-friendly.



层间位移 Flexible Connections

金邦板安装采用企口连接，卡件固定，板材与主体结构之间为非刚性固定状态，具有良好的立面变形及层间位移性能，提高建筑的抗震性能。
Clips and Joint Connections, Flexible, Excellent Anti-seismic Performances.



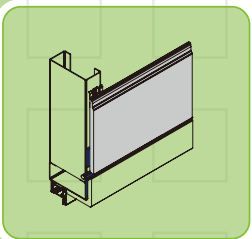
图案多样 Various Decoration

多种花色图案与表面涂装颜色任意组合，色彩丰富，为设计师提供广阔的创意空间。
Freely Combined, Boundless Creative Space.



安装方便 Fast Construction

金邦板采用企口连接，卡件固定的安装方式，方便快捷，节省人工，干法作业，施工不受季节影响。
Standard Clips, Dry Process, Simple and Fast Construction, Labor-saving, No Constraints of Weather.

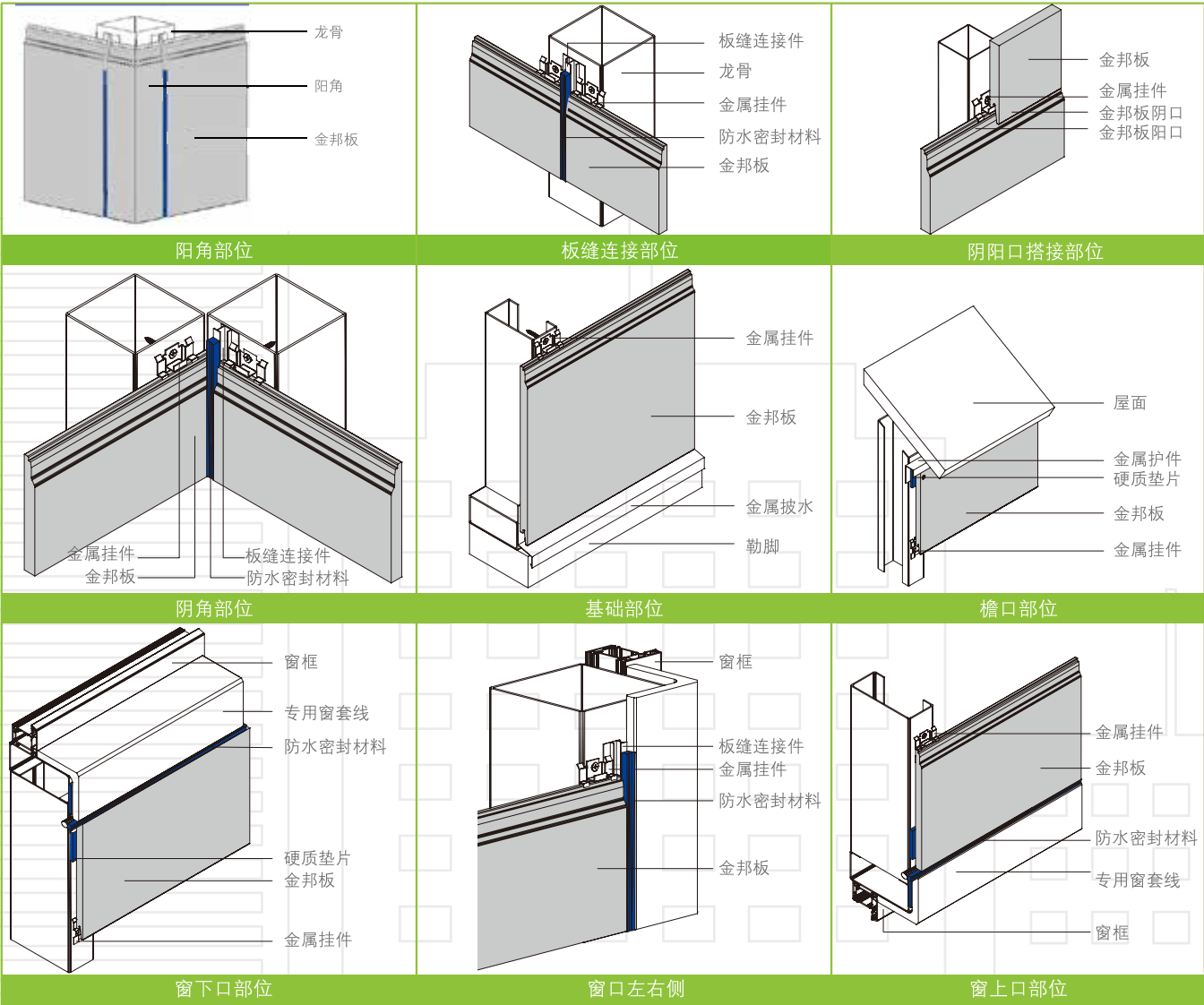


应用广泛 Wide Range Applications

金邦板可广泛应用于外墙装饰、外墙保温、钢木结构别墅等工业与民用建筑以及隧道、地铁站等工程。
Ideal for Decoration and Insulation Cladding Systems, Wooden and Steel Structure Villas, Commercial and Civil Buildings, Tunnels and Subways etc..



金邦板安装节点示意图 Fiber Cement Siding Installation Diagram



主要辅材 Fitting



 K系列案例展示
K Series Case show

经典案例

Classic Project Case

工程名称

苏州工业园区项目

Name: Office Building in
Suzhou Industry Park



经典案例

Classic Project Case

工程名称 扬州英迈杰项目

Name: Fangzhuang mansion



经典案例
Classic Project
Case

工程名称
中建材三新产业研究院

Name
China Construction Materials
New Industrial Research Institute



经典案例
Classic Project
Case

工程名称
北京城市副中心行政办公区项目

Name
Beijing City Deputy Center
Administrative Office Project





经典案例

Classic Project Case

工程名称

中国铝业研究院

Name

China Aluminum
Institute



经典案例

Classic Project Case

工程名称 苏州星明大厦项目

Name: Suzhou Xingming Building Project

经典案例
Classic Project Case

工程名称 天津泰达项目

Name:TETDA Project
(Tianjin Economic-Technological
Development Area)



工程名称
南京大学仙林校区

Name
Xianlin Campus of
Nanjing University

K系列案例展示
K Series Case show

经典案例
Classic Project Case

工程名称

太阳星城 金成中心

Name: The Sun Star City



105米 业内外墙挂板最高高度

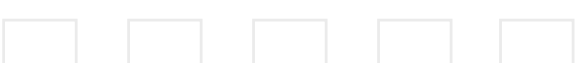
经典案例
Classic Project Case

工程名称
国家核电

Name
State Nuclear Power

88米 高层建筑应用





工程名称

西南交大项目

Name

Southwest Jiaotong
University Project



工程名称

天津NBA中心项目

Name

Tianjing NBA center
Project



经典案例

Classic Project Case



工程名称 北新科学院
使用产品 K20-0LB, K26-0LC
建筑类型 综合研发楼
设计单位 北京市建筑设计研究院
项目简介 整个建筑设计理念融合了南北建筑的精髓，
外墙采用 “金邦板” 全部替代石材’
是一个真正意义上的了零石材外墙。

Project Name BNBM Academy of sciences

Product Specification K20-0LB, K26-0LC

Type of Construction Integrated research and development building

Design Institute Beijing Institute of Architectural Design

Brief Introduction: The whole building design concept integrates the essence of the north and south architecture, and the outer wall is replaced by the "Fiber Cement Siding", which is a real zero stone wall.



经典案例

Classic Project Case



工程名称 北京城市副中心行政办公区
使用产品 K20-0LB 通体板
建筑类型 综合办公楼
设计单位 北京市建筑设计研究院
项目简介 整个项目建筑外墙装饰采用金邦幕墙系统，替代传统的石材，采用干挂施工工艺，节能环保，安全美观。

Project Name Beijing city sub-center administrative area
Product Specification K20-0LB
Type of Construction Office complex
Design Institute Beijing institute of architectural design
Brief Introduction The exterior wall decoration of the whole project adopts jinbang panel curtain wall system, which replaces the traditional stone material and adopts dry hanging construction technology, which is energy-saving, environmentally friendly, safe and beautiful.





工程名称
重庆江北嘴实验学校

Name
Chongqing Jiangbeizui
Experimental School

S系列案例展示
S Series Case show
经典案例
Classic Project Case



工程名称
北新科学院

Name
Beixin Academy
of Sciences



工程名称
辽宁信宇化工



工程名称
西藏玉麦工程



工程名称
苏州通安达善小学



工程名称
深圳翠园小学

