

# paneltek

cerámica tecnológica en fachadas

paneltek 伯陶科

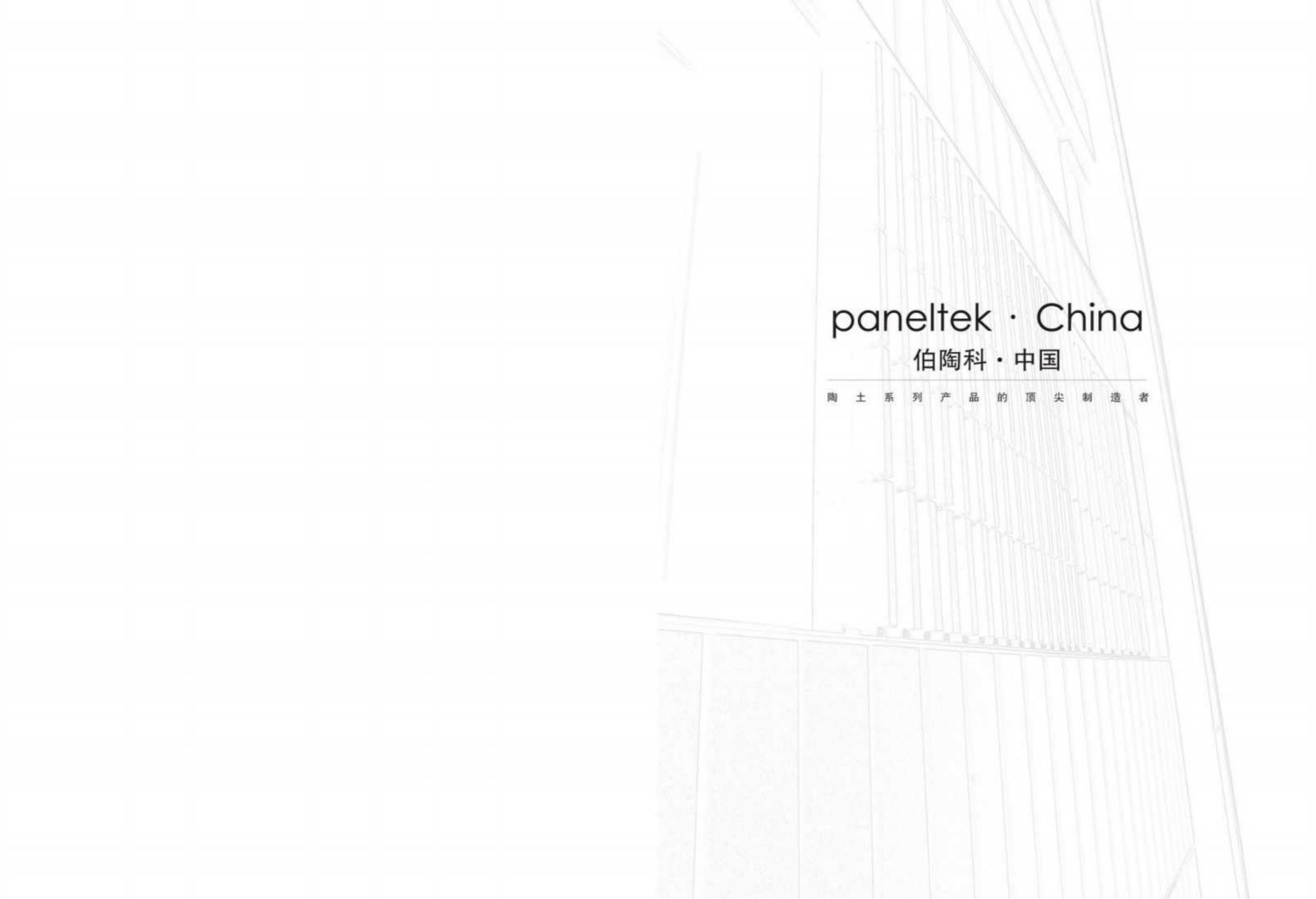
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富陶科 · 伯陶科



paneltek · China  
伯陶科 · 中国

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陶 土 系 列 产 品 的 顶 尖 制 造 者

**paneltek**  
las placas de terracota de tecnología



Spain

China



A CATALOGUE  
PREFACE 目录

paneltek

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## A COMPANY PROFILE PREFACE 企业简介

### 伯陶科（中国）

伯陶科（中国）是江苏富陶科陶瓷有限公司的高端建筑陶土系列品牌，为 2011 年由西班牙陶瓷集团与宜兴本土“福记陶瓷”传承人在华创立，其生产基地坐落于中国陶都宜兴陶瓷工业园（紫砂发源地，紫砂村内）。

公司创立以来，始终将西班牙陶瓷的尖端工艺技术作为核心，并以欧盟产品的严格标准制造出达到世界一流水平的陶土系列产品。我们精益求精、追求卓越，使得每一款产品都以国际化的专业标准，完全达到欧洲本土建筑陶土产品的品质。

宜兴是中国的陶都，是紫砂的发源地，是制陶文化的中心，有着中国最好的紫砂陶土资源、技术人才及丰富的陶瓷文化底蕴；西班牙是世界顶级的建筑陶瓷生产技术及设计的摇篮；两者完美结合，孕育出伯陶科（中国）。

正因如此，伯陶科铸就了中国建筑艺术陶的最高品质。



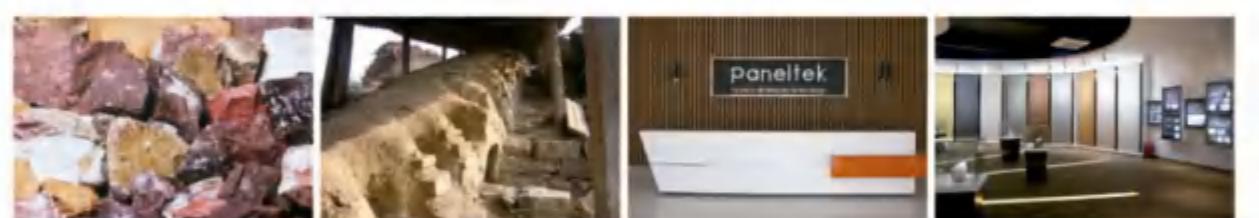
### paneltek China

Paneltek China is the high-end terracotta series brand belongs to Jiangsu paneltek ceramics co., ltd. which established in China 2011 by Spanish ceramic group and Yixing local “Fu Ji Ceramics” inheritors. Our production base is inside of the Yixing Ceramic Industrial Park where is the purple clay birthplace.

Since its establishment, Paneltek always takes the advanced technology of Spanish ceramic as our core. With EU Standards, to build the product of the international first-class level. Keep improving and pursuit of excellence, pay focus and enthusiasm on every piece of terracotta to reach the EU Standard.

Yixing “The Pottery Capital City of China”, is the birthplace of purple clay, the center of terracotta culture, own the super high quality of China clay; Spain is the cradle of the world top-level architectural ceramics in technology and design, thus, Paneltek China was born.

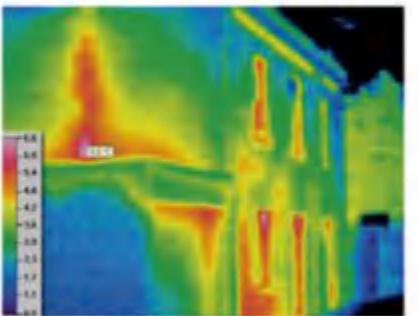
Above all, Paneltek China creates the product of super quality in the architectural and artistic ceramics.





## PRODUCT ADVANTAGE

PREFACE 产品优势



### ☑ 节能建筑的倡导者

独特的呼吸式幕墙，中空设计，减轻建筑结构系统负荷，并具有很好的隔热性、保温性，更具隔音降噪的功能，提高建筑的经济节能性。

### ☑ 尖端技术，绿色环保

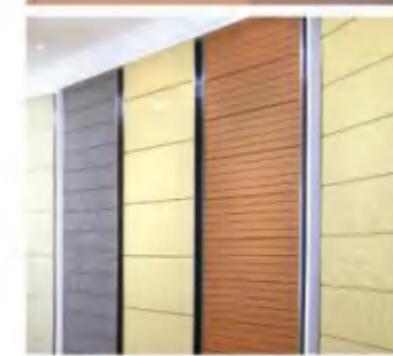
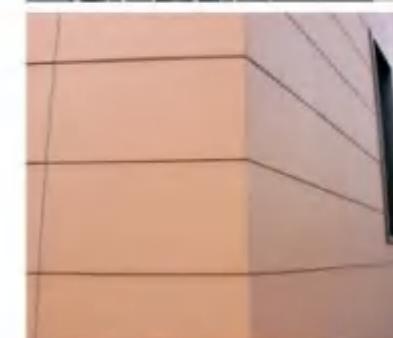
世界领先的挤压射出技术使材料更致密，结构更均匀稳定；生产过程更清洁更节能，可回收利用，是绿色环保的倡导者。

### ☑ 颜色丰富，形状多变，质感强

产品颜色丰富持久，色差小、质感强，更具亲和力，并且提供多种形状，立体感强，更具艺术气息，全方位满足设计要求。

### ☑ 超低吸水率，强度高，性能更出众

比普通陶土板吸水率更低，强度高、安全性高、抗风压高、抗冻性高、抗污染、抗腐蚀。



### Elite of Extruded Panel Technology Revolution

The panels are the only ventilated facade piece that can combine the advantages of extruded terracotta panels and pressed porcelain panels. We strongly promote Ecology and sustainable development in all our production procedures.

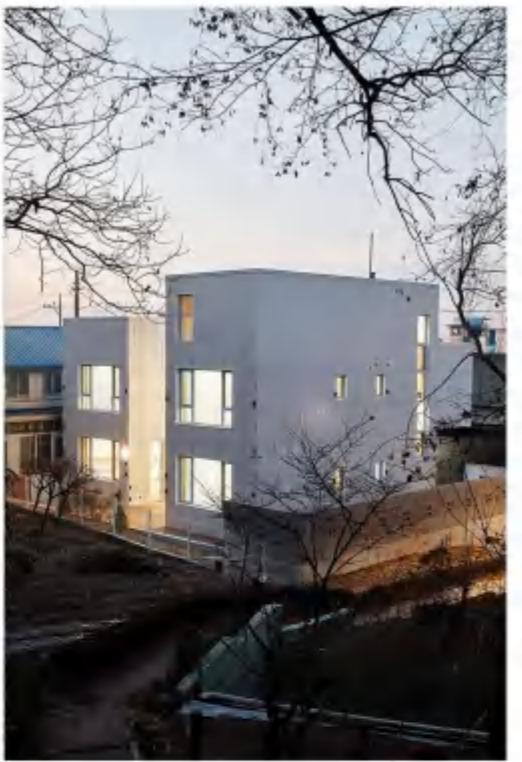
### Excellence Production Technology

The hollow body design enable the panel to reduce its own weight and the added weight to the facade and fixing system, it has certain function for insulation, energy-saving, will help improve the economic effect and comfort of buildings.

### Provide an endless options for Architects' innovation and creativity

The panel has wide variety range, and long lasting color. We strictly control the color difference and also motivated to develop more shapes and color in order to achieve the authentic yet close to reality feelings from the architects.





## 产品特点 PRODUCT FEATURES

### 原料

宜兴优质紫砂陶土和西班牙进口原料的结合。

### Raw material

Combining with Yixing high quality pottery clay and import Spanish raw material.

### 先进的设备和技术

我们拥有原装西班牙、德国进口设备和西班牙的技术支持。

### Advanced technology and equipment

We owned advanced equipment from Spain and Germany and technology supporting.

### 卓越的物理性能

- 1 ) 高强度 : 高于国家标准一倍以上。
- 2 ) 低吸水率 : 吸水率控制在 3%-6% ( 执行 A I 、 A II 产品标准 ) 。
- 3 ) 高致密度 : 密度比重大于 1.9 。
- 4 ) 高抗冻融 : 经 200 次循环冻融后无裂痕。

### Excellent physical properties

- 1) High strength: twice higher than the National Standard.
- 2) Low water absorption: between 3%-6% (carry out A I 、 A II standard).
- 3) High-density : density ratio greater than 1.9.
- 4) Freeze-thaw resistance:freeze and thaw 200 cycles.

### 尺寸与瑕疵控制

按欧标最严格的尺寸与瑕疵控制标准执行，远高于国标。

### Dimension and defect control

According to the EU standard, index is higher than the national standard.

### 颜色

用最好的原料，高温完全烧透，质感靓丽，无色差，永不褪色。

### color

We only use the best raw material, completely firing , no chromatic aberration, never fading.

### Perfect service

- Installation system design proposal  
Structural Calculation  
QS and Cost Estimation  
Perspective view rendering.  
3D Image Presentation  
Shop drawings  
Fabrication drawings  
Cutting List  
Strong Service Support





## 产品介绍（规格） PRODUCT SPECIFICATION

创新  
+ 经验  
专业化

Innovation  
+ Experience  
Specialization

高质量的产品源于对每一个细节的用心，我们的每一个产品都蕴含着我们的热情与专业。我们专注于对产品的细枝末节的推敲，更专注于不断创新的技术。

### 陶板规格(尺寸) 单位：mm

**F18** 长度范围为 (The length range) : 300 ~ 1500  
宽度可为 (Width) : 206, 306, 356, 406, 456, 506

**F20** 长度范围为 (The length range) : 300 ~ 1500  
宽度可为 (Width) : 206, 306, 406, 456, 506

**F30** 长度范围为 (The length range) : 300 ~ 1500  
宽度可为 (Width) : 210, 310, 460, 510, 610, 810

**F40** 长度范围为 (The length range) : 600 ~ 1800  
宽度可为 (Width) : 710, 810, 910, 1010, 1110, 1210

**F80** 板棍一体

### 异形陶板规格、颜色可按客户要求定做

Special specification and color of Terracotta and Louver can be special ordered and made.

### 陶棍(立方陶) (8mm为厚度) 单位：mm

长度范围为 : 300 ~ 1500

方形：  
50×50, 50×100, 50×150, 50×200  
60×60, 60×100, 60×150  
70×70, 70×100  
80×80, 80×100, 80×160, 80×200  
90×90, 90×120  
100×200.... ...

圆形：  
Φ 50, Φ 60, Φ 70, Φ 80... ...  
梭形、棱形、四边形、椭圆形、三角形.... ...

### 陶砖 单位：mm

200×100×50, 230×115×40,  
230×50×20, 300×150×50... ...

High quality products based on the devotion in every detail, every piece of our products have included all of our passion and profession. We are focused on every detail of our products and advanced our technology.

## Colors & Surfaces 产品颜色与表面效果

丰富的色彩选择，永不褪色

伯陶科陶板提供丰富的色彩选择，基本涵盖了现代建筑对主流颜色的设计需求。色泽优雅，气质内敛而不张扬，使建筑更富艺术气息。

### Colorfulness and Colorfastness

paneltek panels have a lot of colors to choose from, which can meet various needs of modern architecture. The elegant and reserved luster enriches the artistic odor.

paneltek China



白色 White



0105



0106



0107



0108

红色 Red



0203



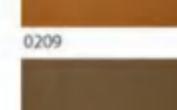
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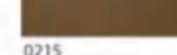
0202



0207A-6



0209



0215

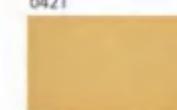
黄色 Yellow



0403



0421



0406



0420



0413



0417

灰色 Gray



0618



0619



0607



0616



0609

蓝色 Blue



0803



0802



0804



0810

绿色 Green



0502



0503



0504



0706



0705

咖啡 Brown



0703



0706



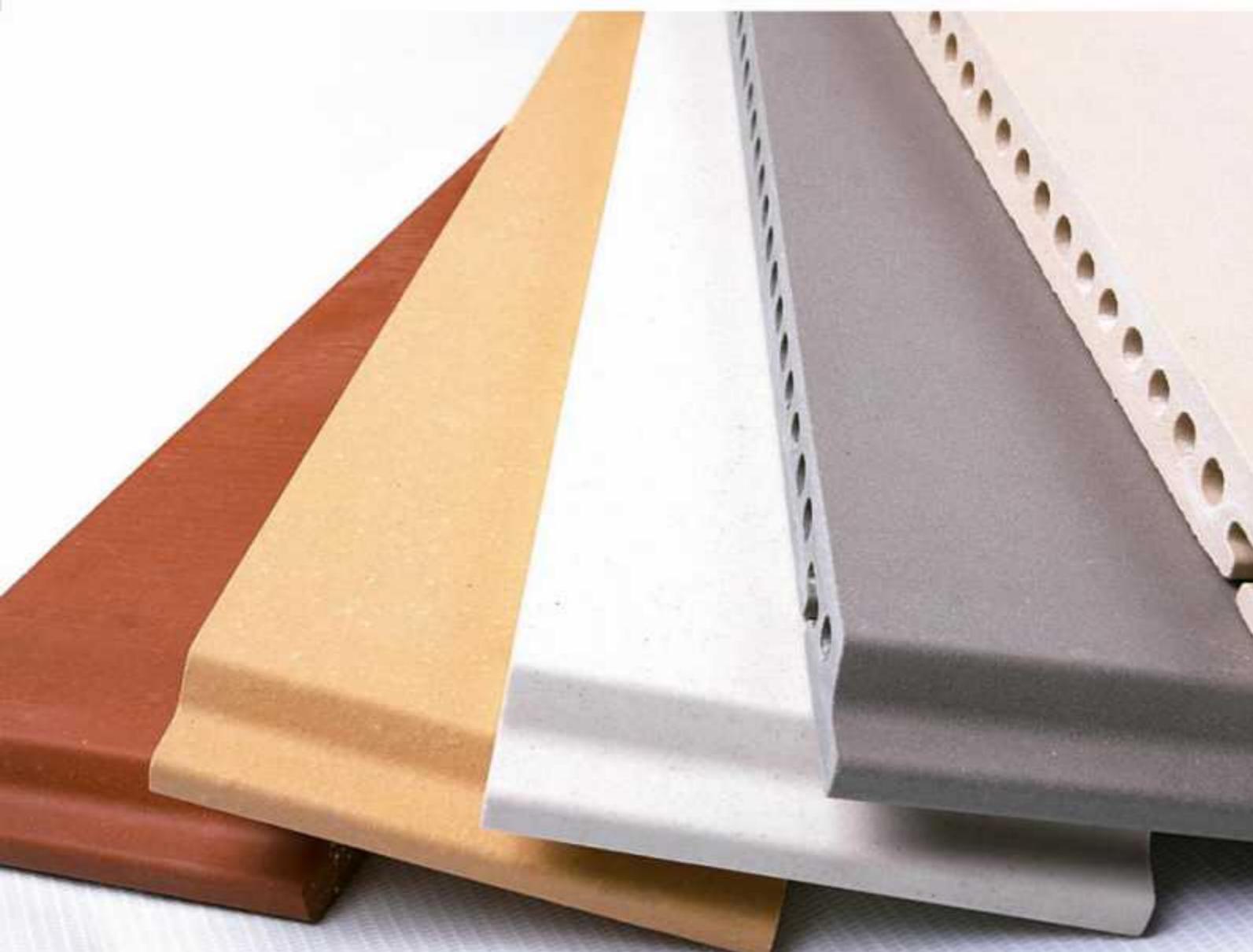
0705

印刷颜色与陶板实际颜色有差异，请以实物为准。

The printing color is different from the actual color, please base on the real samples.

多种板型及规格自由搭配，彰显超群设计风格

伯陶科陶板提供自然面板、砂面板、槽面板、陶百叶等多种产品选择，规格尺寸齐全，通过选用不同的产品组合，以达到冲击性的视觉效果。



### Free Combination to Show Style

paneltek panels consist of natural, sand-blasted, grooved surfaces, louver and other special elements. In mixing panels of different surfaces and sizes, a designer can achieve visual impact.

### 平面陶板系列 Flat terracotta cladding panels



砂面板 Sand Surfaced Panel



砂面板 Sand Surfaced Panel



砂面板 Sand Surfaced Panel



砂面板 Sand Surfaced Panel



平面板 Natural Surfaced Panel

砂面板 Sand Surfaced Panel



平面板 Natural Surfaced Panel



平面板 Natural Surfaced Panel



平面板 Natural Surfaced Panel



砂面板 Sand Surfaced Panel



平面板 Natural Surfaced Panel



平面板 Natural Surfaced Panel



平面板 Natural Surfaced Panel





**创造的激情**

**The thrill of creation**

透视时尚(Fashion)与陶瓷(china)的完美结合充满了智慧的光芒，共同点燃了全球陶瓷业界的中国 ( China Fashion ) 时尚！更将紫砂这一璀璨的世界文物遗产奉为伯陶科的“设计与研发的灵魂”！

We are focused on every detail of our products and advanced our technology. Combining the fashion and china, in Yi Xing, we have start the new fashion for ceramic industry in China.



## 平面陶板系列 Flat terracotta cladding panels

槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



砂面板 Sand Surfaced Panel



纹面板 Stripy Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



槽面板 Grooved-Surfaced Panel



砂面板 Sand Surfaced Panel



波纹板 Stripy Panel



纹面板 Stripy Panel



波纹板 Stripy Panel



纹面板 Stripy Panel



# 异形陶系列 SPECIAL SHAPE TERRACOTTA

异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



弧形板 Arc Panel



异形板 Special Panel



异形板 Special Panel



异形板(转角板) Corner Panel



异形板(品字形) Special Panel



异形板 Special Panel



# 异形陶系列 Special Shape Terracotta

异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



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异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



异形板 Special Panel



## TERRACOTTA LOUVER 立方陶系列



### 立方陶的应用

立方陶安装在玻璃幕墙或铝合金窗外侧，可以满足建筑幕墙的使用及外观装饰需要，还可以应用于大空间的室内，如办公楼、候车大厅、影剧院等。

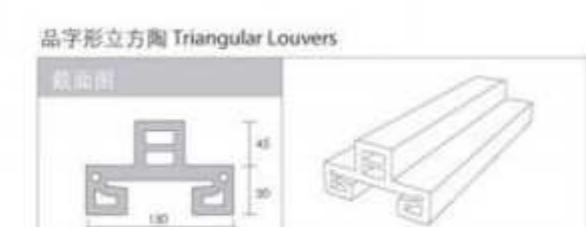
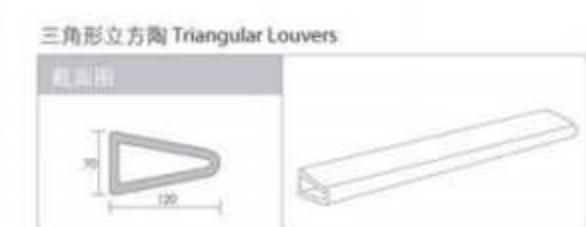
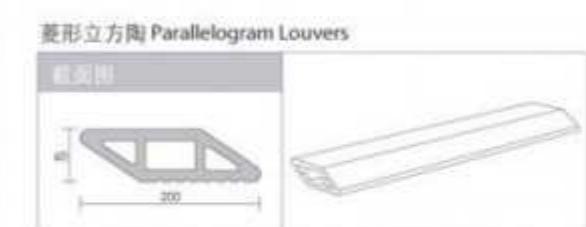
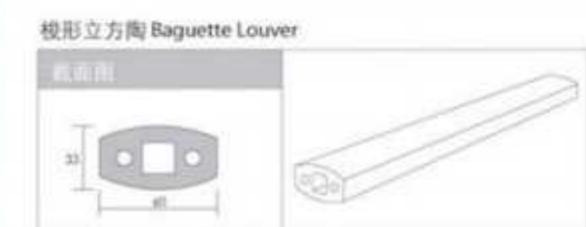
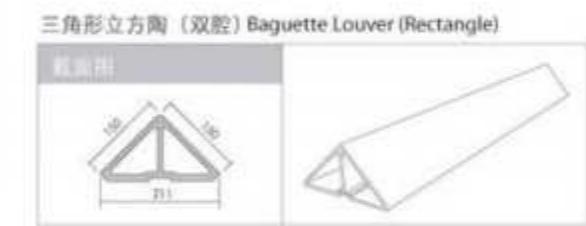
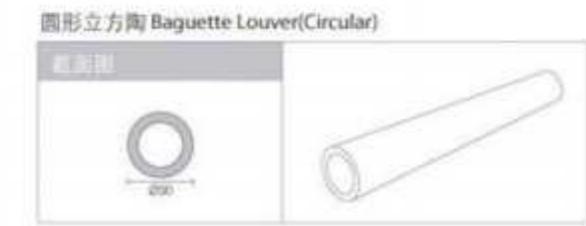
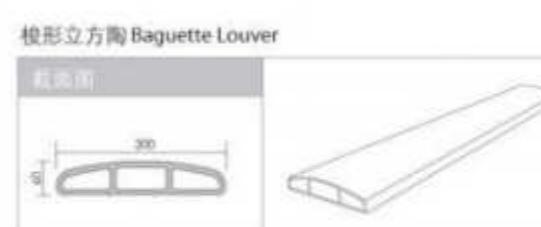
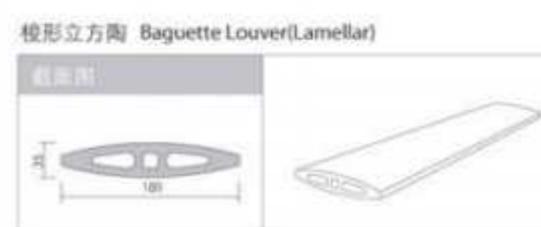
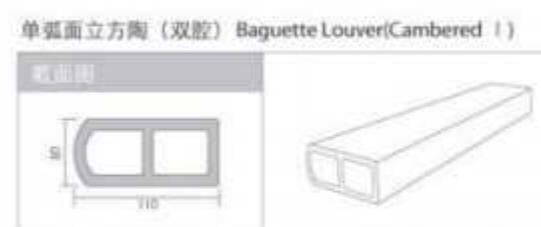
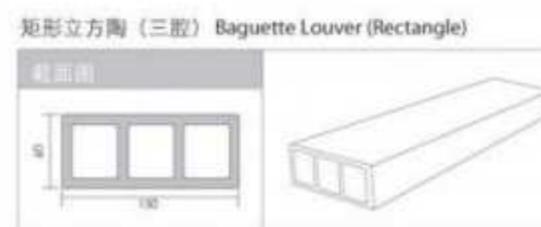
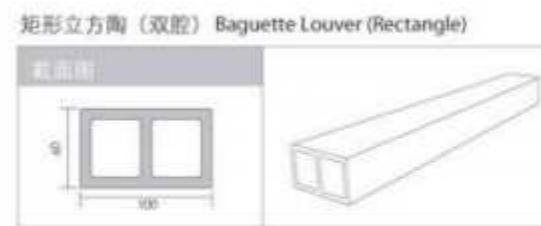
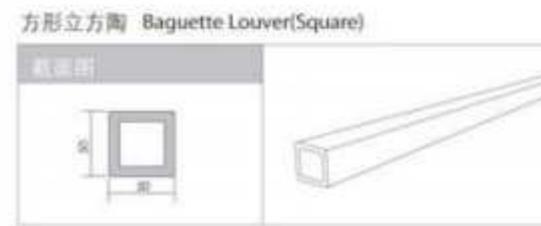
### Application

Louvers can be applied in a lot of ways, attached to glass curtain wall, or the aluminum windows and etc. Depending on the need of functions and decoration, it can also be used in big space, suc as office building, bus station and theaters.



# TERRACOTTA LOUVER

## 立方陶系列



# CERAMIC TILES 陶砖

陶砖 (一孔) Ceramic tiles



陶砖 (三孔) Ceramic tiles



陶砖 Ceramic tiles



陶砖 Ceramic tiles



陶砖 Ceramic tiles



陶砖 Ceramic tiles



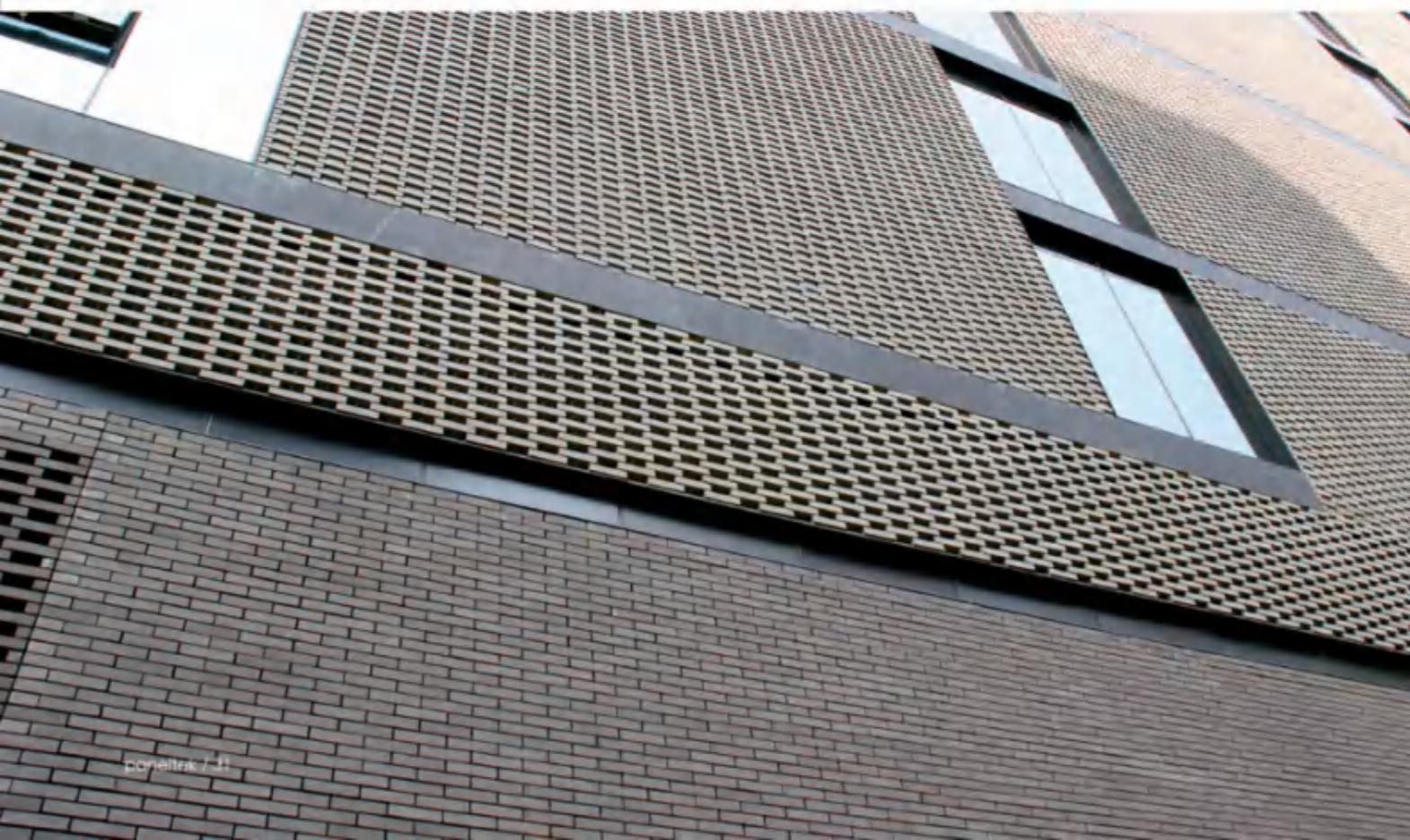
陶砖 Ceramic tiles



陶砖 Ceramic tiles



陶砖 Ceramic tiles



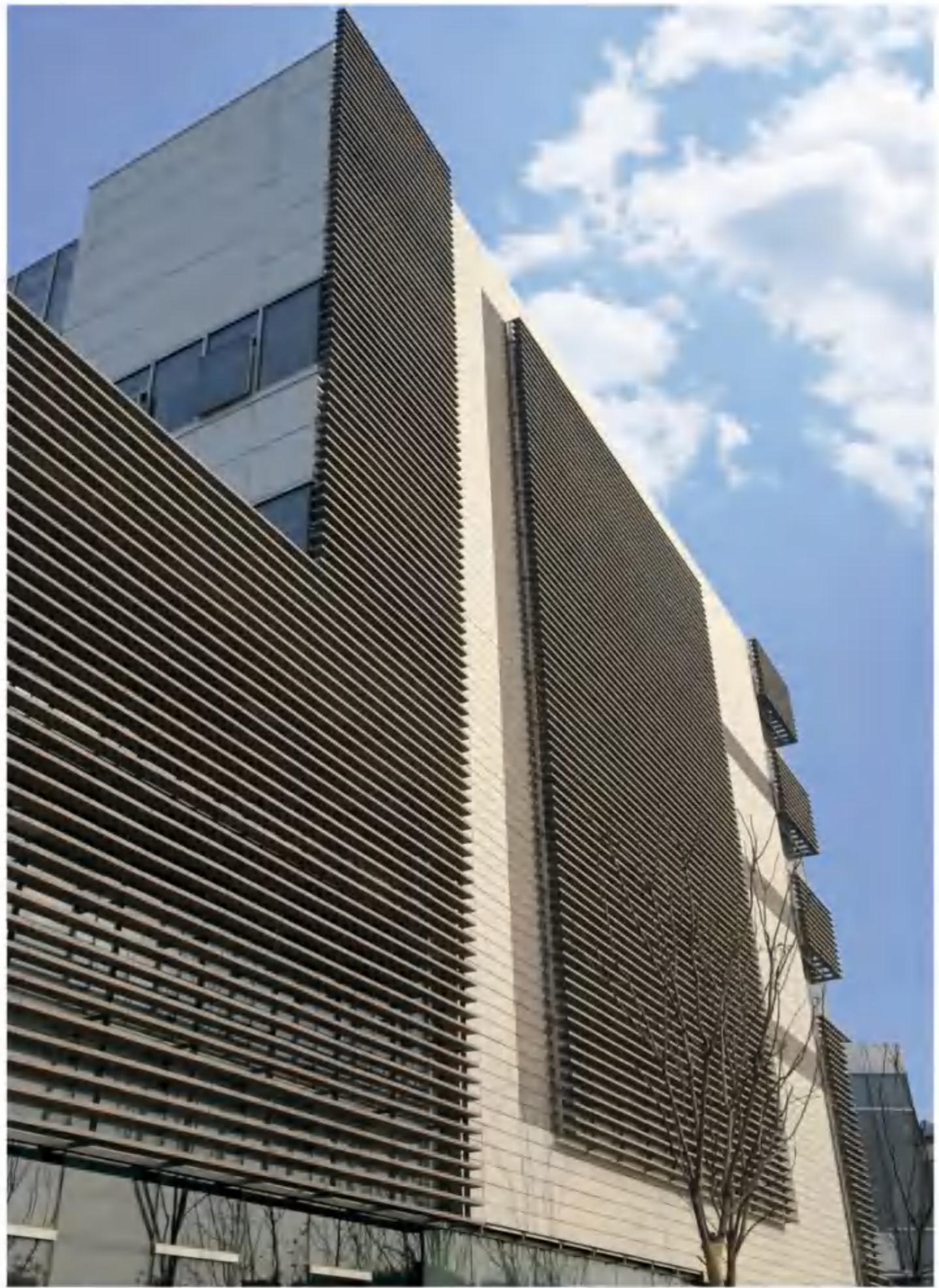
ENGINEERING CASE  
工程案例



工程案例 丰港但马信金 – 日本  
Projects Tajima Shinkin - Japan



工程案例 Takashimaya S.C., Japan



ENGINEERING CASE  
工程案例



工程案例 美国如新大中华总部 – 中国上海  
Projects USA Un skin China headquarters  
→ Shanghai China





工程案例 ACE Hotel, Sydney, Australia

### 为生活筑起亲切的自然空间

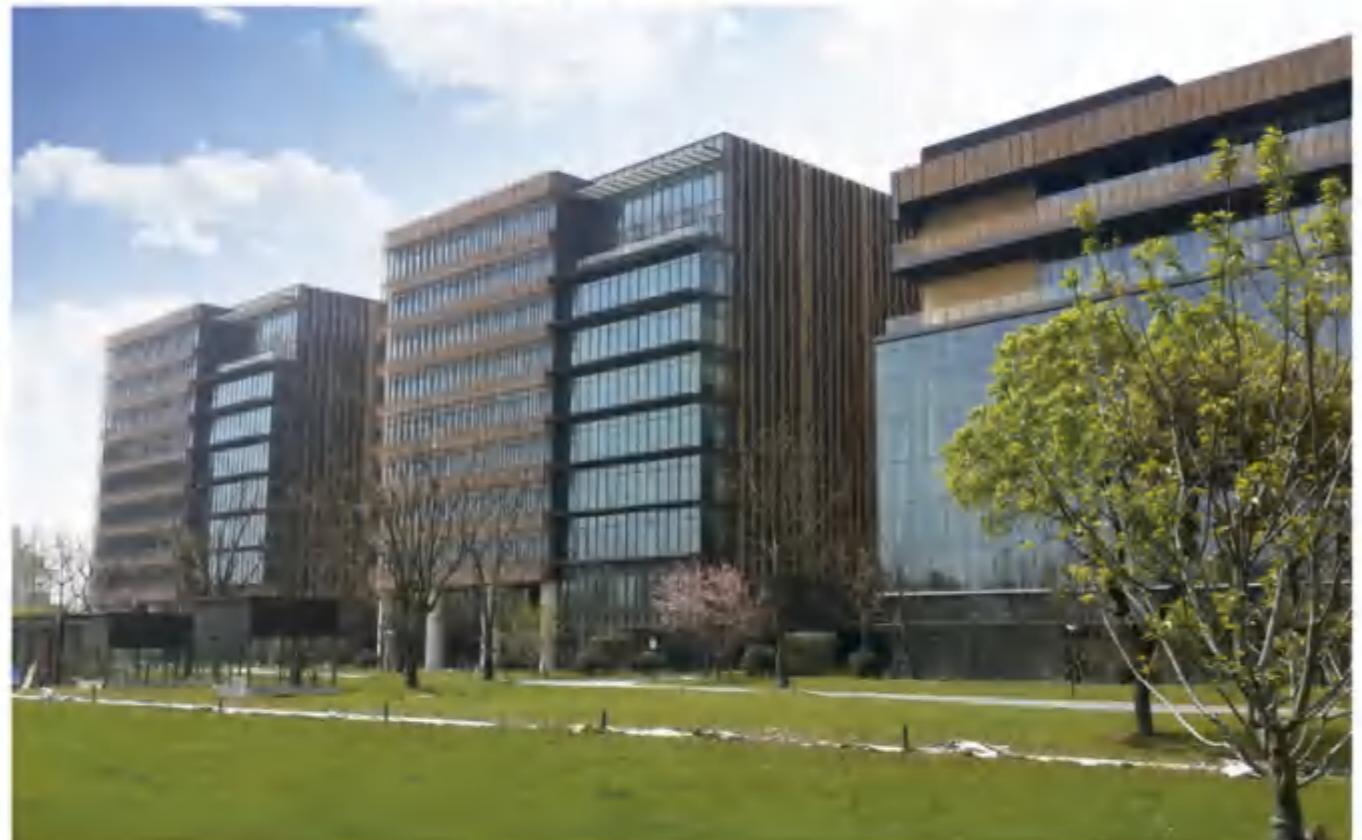
没有多余的装饰 ,或者张扬的色彩 ,灵动自然 ,跳跃出空间的新感受 ,透过窗外看那动人的景色 ,形成和谐的景观感与空间感 精心演绎自然与空间的完美交融。

### Building solution for life

The perfect mix and match with glass and ceramic panels, create a harmonious sense of the landscape and space, interpret the marvelous blend of nature and space.



PROJECT ENGINEERING CASE  
工程案例



自然洒脱，舒适安享

建筑是环境美学的主要构成因素，在经济、科技迅速发展的今天，建筑外观越来越呈现多样化。同时倡导资源循环利用的节约型社会，最大限度的节约资源，提高资源利用率，把对环境的损害减到最小。所有装饰建材产品的发展和选用都在环保性、美观性、适用性和耐久性上不断进步。

**Natural joy, comfortable and enjoy**

Architect is the main component factor of environmental aesthetics, with the rapid development of economy and technology, more and more diversified architectural appearance.

We also advocate recycling of resources-saving society, to maximize the conservation of resources, improve resource utilization, to minimize damage to the environment. Progress can be seen on protection, aesthetics, serviceability and durability of all the decorative building materials development and selection.

工程案例 顶新国际商务广场 – 中国上海  
Projects Ting Hsin International Business Plaza  
--Shanghai China

经典品位 自然写意... ...

传承纯正西班牙血统，以登峰造极的工艺，打造力臻完美的产品来表现经典建筑的艺术典范，成就都市空间的装饰经典。

古朴典雅，于不经意间，营造赏心悦目的视觉效果。

#### Classical grade natural

Pure of Spanish ancestry, in order to reach the limit of technology, make force attain perfect products to classical architecture art performance model, the achievement of urban space.

Simple design, in casual, create a pleasing to the eye vision effect.



工程案例 顶新国际商务广场 – 中国上海  
Projects Ting Hsin International Business Plaza  
--Shanghai China



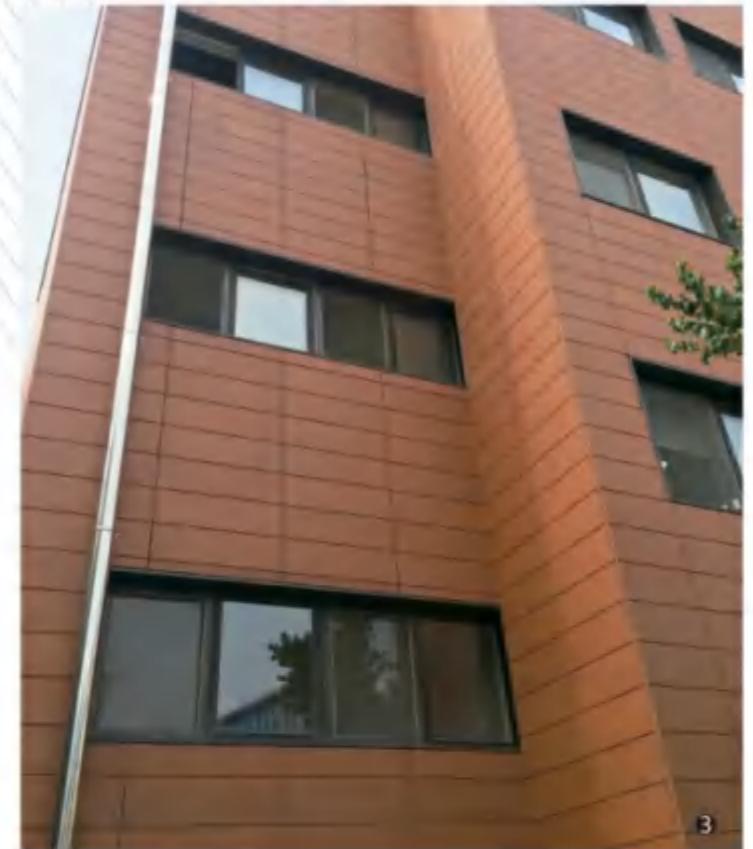
工程案例 青岛光谷软件园 – 中国山东  
Projects Qingdao Optical Valley Software Park – Shandong China

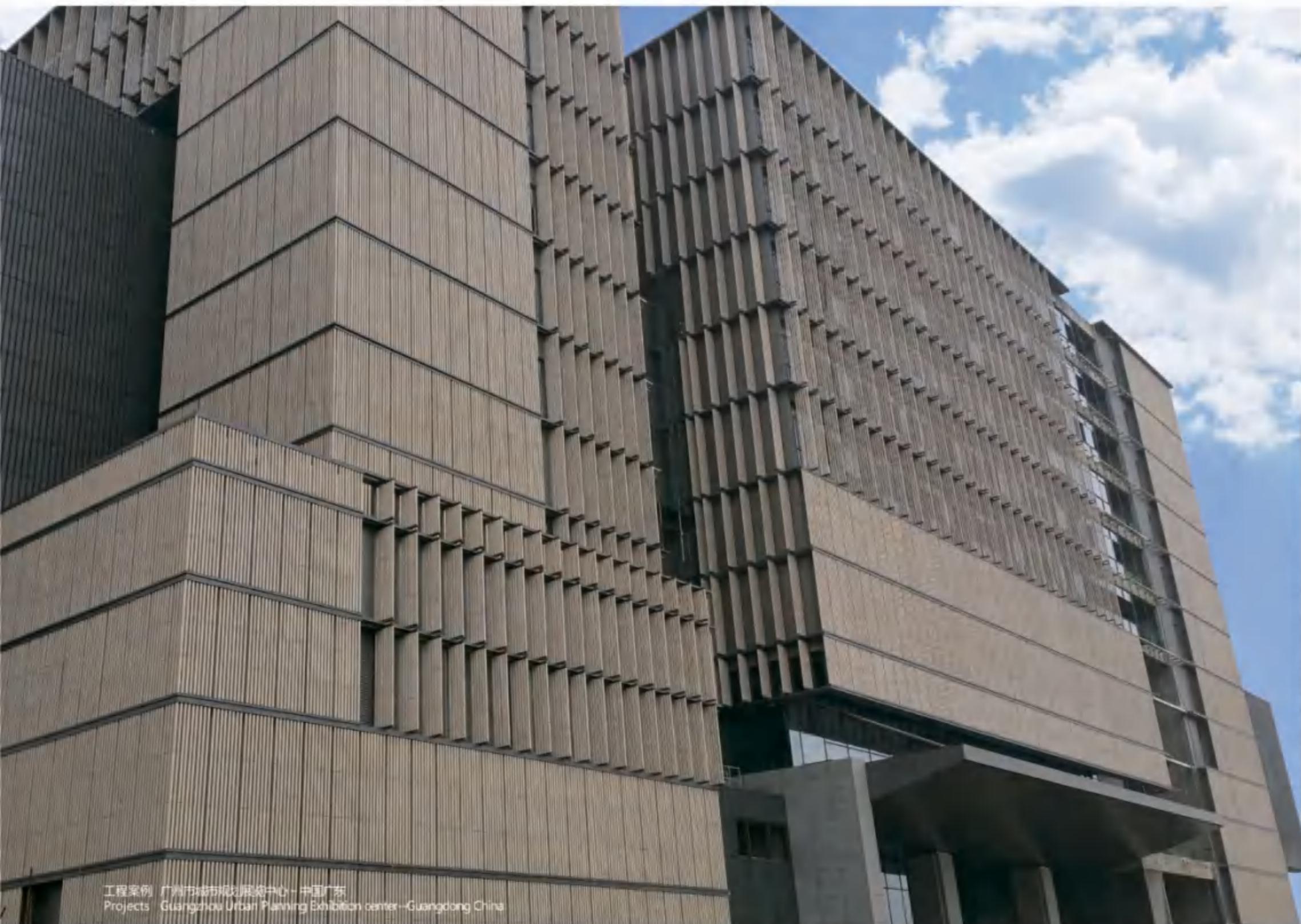


① 工程案例 北京昆仑饭店 – 中国北京  
Projects Beijing Kunlun Hotel--Beijing China

② 工程案例 中航集团发动机公司 – 中国北京  
Projects CNCA Engine Company--Beijing China

③ 工程案例 韩国弘益大学 – 韩国  
Projects Hongik University--South Korea





工程案例 广州市城市规划展览中心 - 中国广东  
Projects Guangzhou Urban Planning Exhibition center-Guangdong China



## 人本之美，完美追求

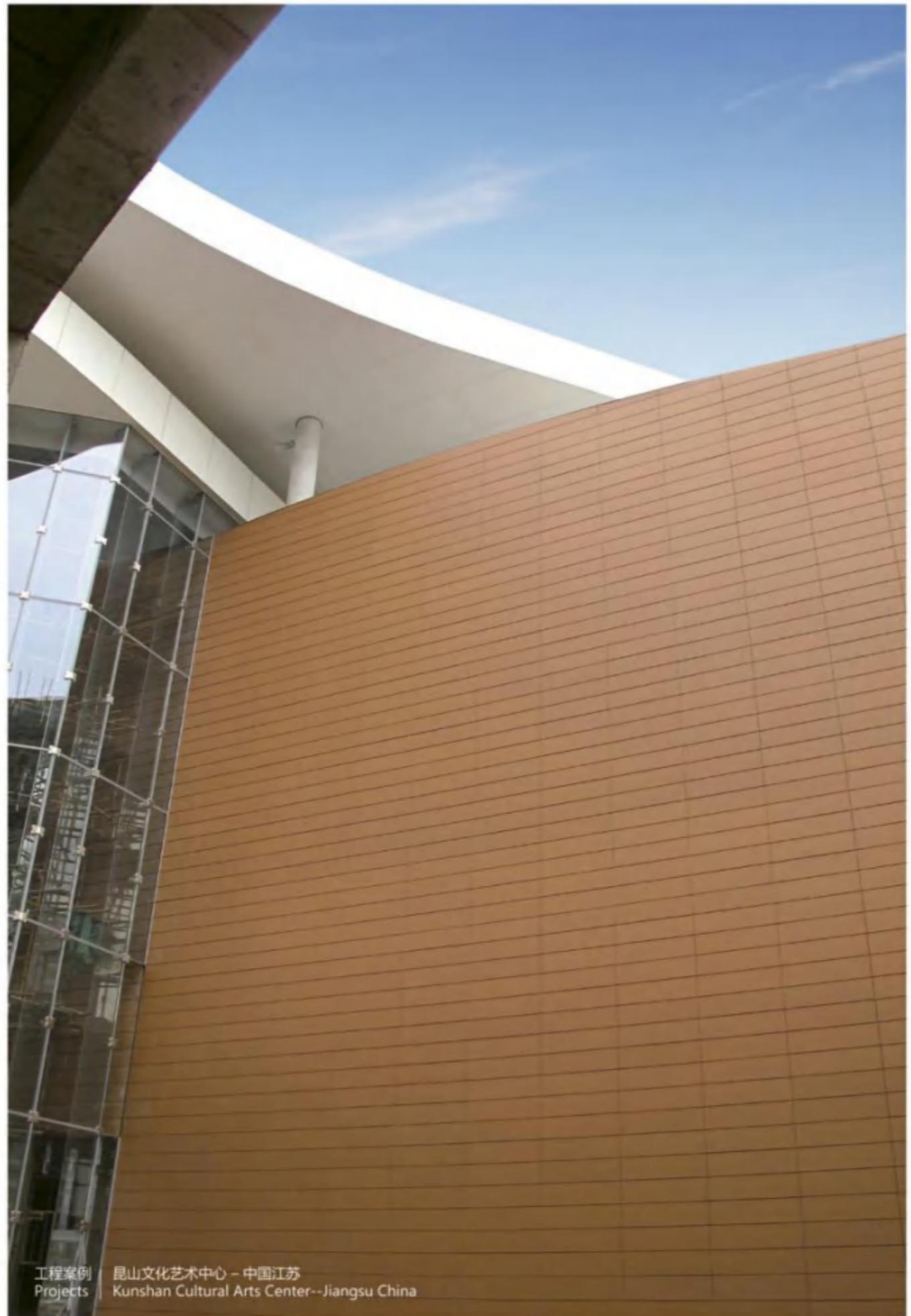
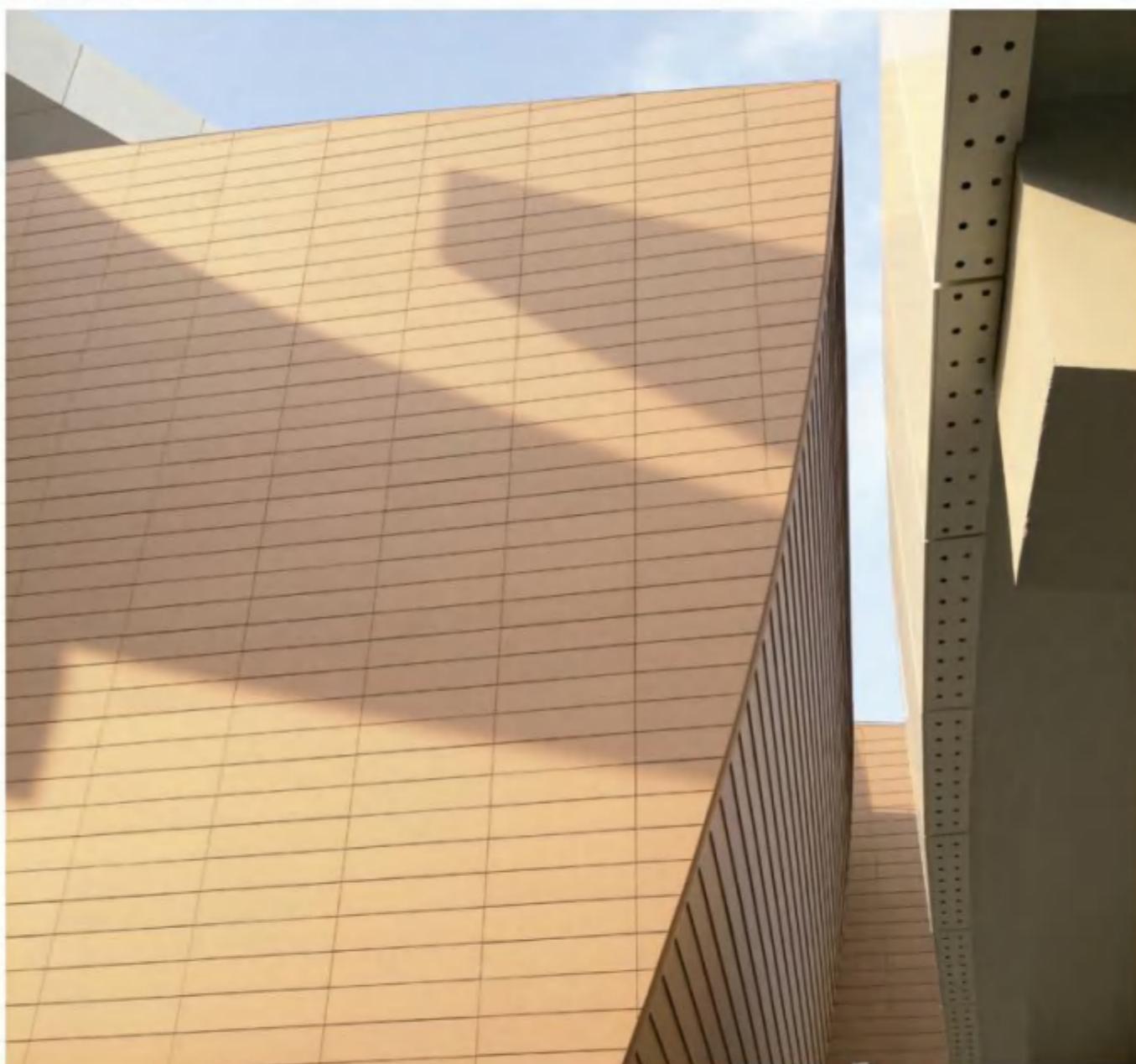
一群不断挑战自我，不断超越，激情澎湃的建陶人。一个矢志塑造行业领袖品牌的团队。巅峰是一种追求，一种执着，但永远不是伯陶科人止步的地方。

伯陶科人庄严承诺——“我们将以真诚和汗水，证明自我；我们将以严谨和细致，服务客户；我们将把自由和快乐，传播四方。”

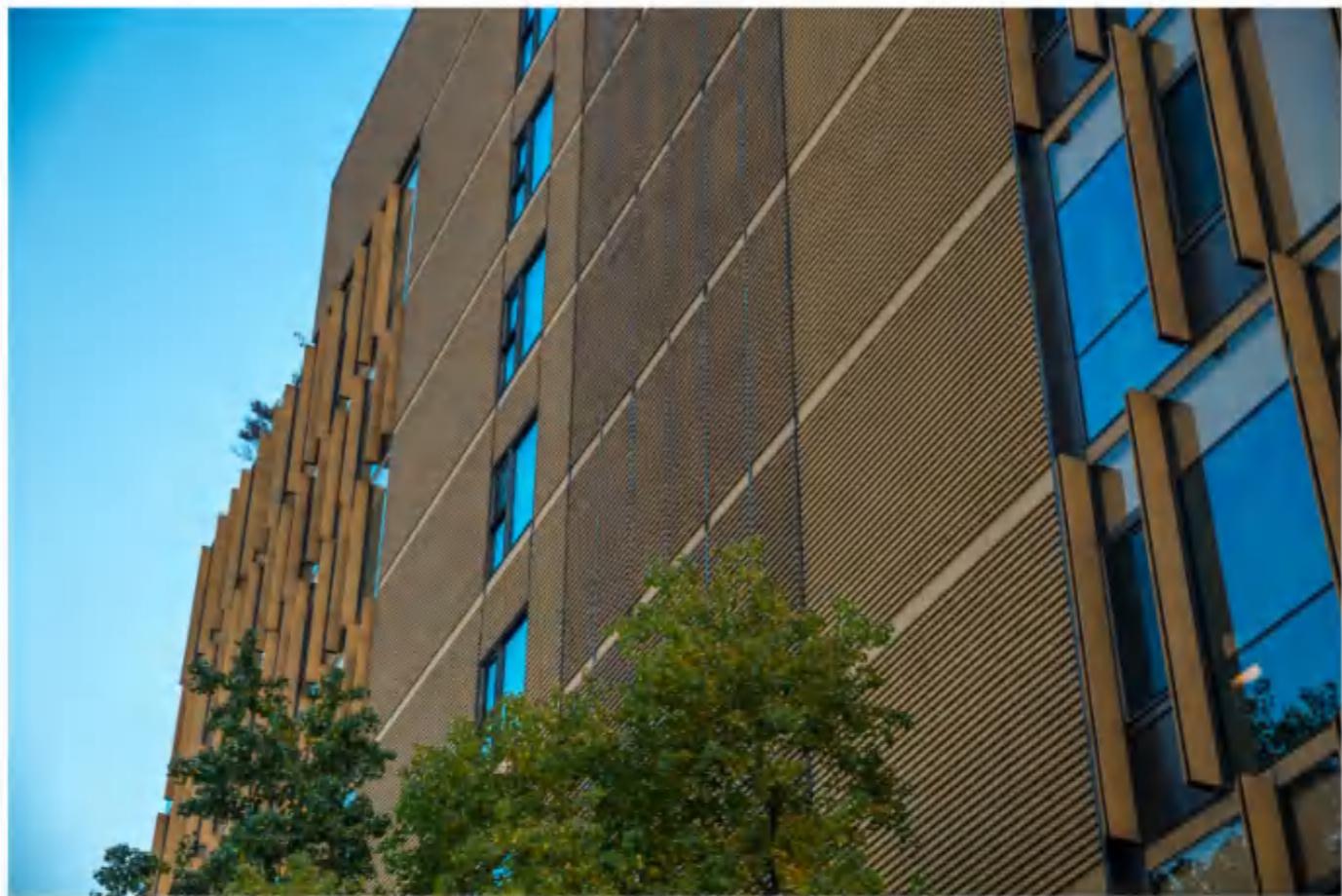
## The beauty of the humanistic pursuit perfect

A group of people who full of passion willing to challenge themselves , continue to exceed. A team who aim to create the leader brand in the industry. Paneltek will never stop to pursuit a better tomorrow.

We promise , we will prove our strength with our sincere and hard, we will provide our clients with the best service , we will bring the happiness and freedom to every corner around the world.

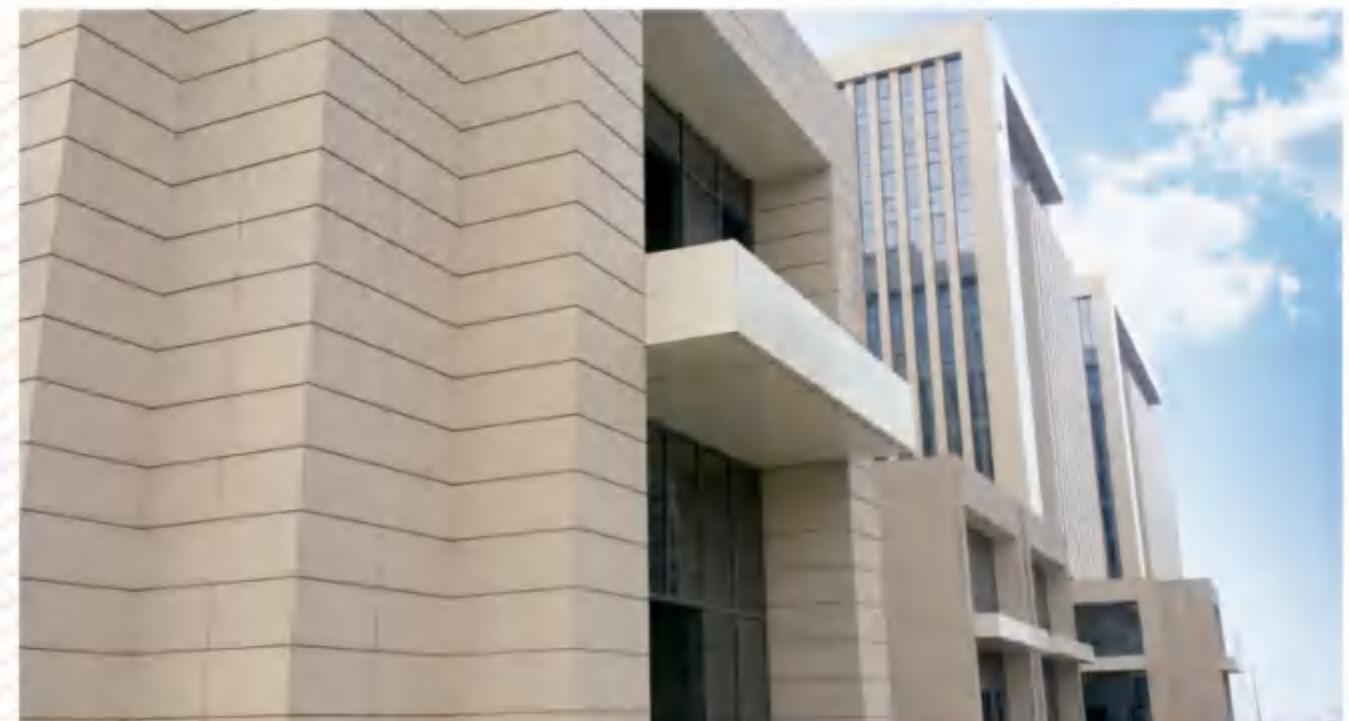


工程案例 | 昆山文化艺术中心 – 中国江苏  
Projects | Kunshan Cultural Arts Center--Jiangsu China



工程案例 Ting Hsin International Business Plaza, Shanghai, China

工程案例 天津天安智慧港 – 中国天津  
Projects ZHI HUI GANG in Tianjin--Tianjin China





信手拈来 经典就在眼前... ...

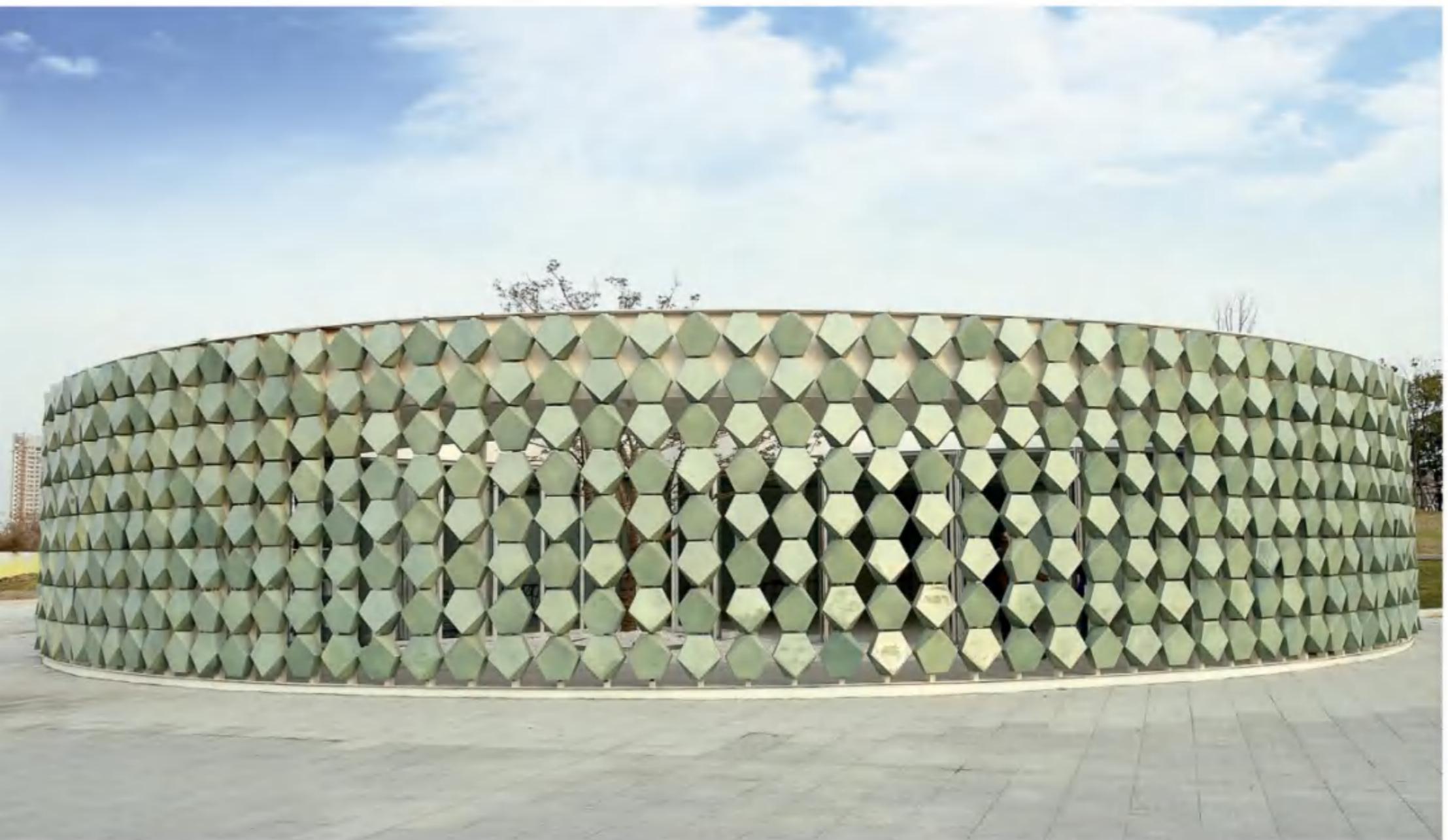
朴实、素雅是我们一贯的风格，随性而不做作，我们喜欢随着真性情去发现，一种美丽的简单流露，纯粹而无遮，虽经历岁月的洗礼，但雅致而依旧、简洁依然。体会，自然要是与众不同的.....

#### Classic for you

We never stop chasing for Simplicity and elegance. The beauty of Frontek panels is pure and natural, after ages has passed, the elegance will stay and the pure will remain. The differences need to be experienced then to be appreciated.

工程案例 日本田边三菱制药新本社 – 日本东京  
Projects Tanabe mitsubishi pharmaceutical building  
--Japan





工程案例 徐汇滨江双年展 - 中国上海  
Projects Xuhui Riverside Biennale--Shanghai China

一种空间，一种生活。

当现代的生活成为不同空间的穿梭，空间的精彩也即成为丰富生活的一部分，建筑的传承，文化的脉络，空间因文化而精彩，生活因空间而丰富。

**One Space, One Life.**

When our life has turned into shuttling in different spaces, home, office, shopping mall, the difference of spaces become part of our lives. Spaces become attractive; our lives become interesting because the spaces have offered joys.





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工程案例 北师大附中杭州中学 - 中国浙江  
Projects Hangzhou Middle School attached in Beijing Normal University  
--Zhejiang China



paneltek / 56



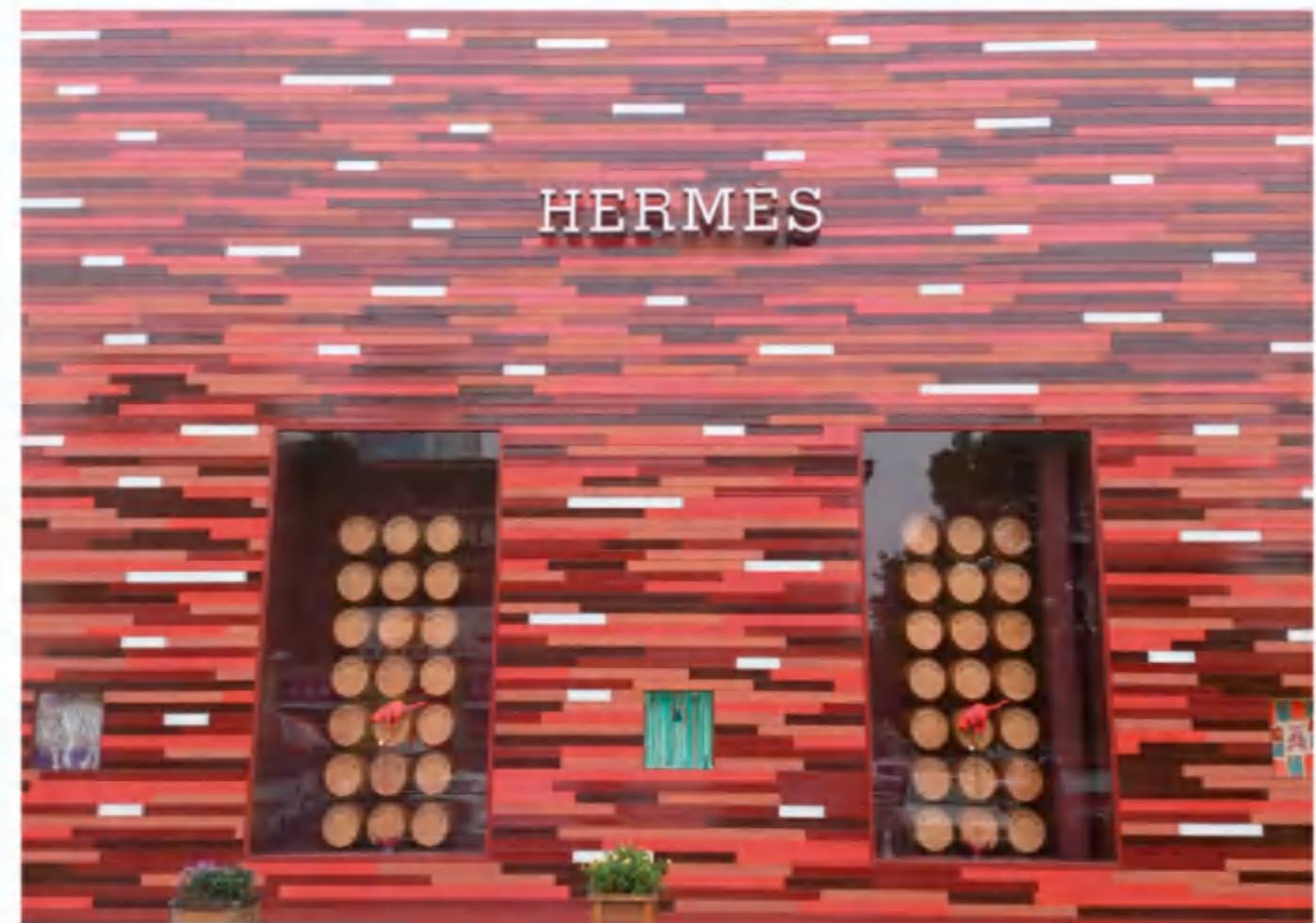
① 工程案例 泰州医药城图书馆 – 中国江苏  
Projects Taizhou Medical City Library -- Jiangsu China

② 工程案例 成都艾普中心 – 中国四川  
Projects Epps Center in Chengdu--Sichuan China





工程案例 Urban Planning Exhibition Center, Guangzhou, China



工程案例 杭州爱玛仕杭州旗舰店 – 中国浙江  
Projects Hermès flagship store in Hangzhou--Zhejiang China



工程案例 Guangzhou Urban Planning Exhibition Center, Guangzhou, China



工程案例 Hermes Shopfront .Taikoo Hui, Guangzhou China



工程案例 联创UDG – 中国上海  
Projects UDG Center in Shanghai--Shanghai China

阐释自然与人文的互动... ...

禅意的色调，为建筑空间勾勒出朴素的容颜。宁静的生活空间，丰富而简单的现代设计，穿行于岁月之中，让建筑充满生命力。

当你在流光异彩中迷离了双眼，你会发现，原来的质朴也将给你带去更深的触动。

#### The integration between nature and culture

The color of Zen sketches out a simple frame or living space. Peaceful and concised modern design shuttling in the years make decoration full of life.

When you are lost in a riot of colors, only Zen sketches can touch your heart.



工程案例 Guangzhou Urban Planning Exhibition Center, Guangzhou, China



| 工程案例 Thomson East Coast Line (TEL) Station, Singapore

缤纷灿烂的生活姿彩... ...

世界原本精彩，只是环境的约束局限了我们的视野。

但并不妨碍我们以缤纷绚烂的元素装饰自己无限的生活姿彩。

### Colorful and gorgeous life wonder

The world was wonderful, but environmental constraint has limited our field of vision.

But doesn't prevent us to consultation with colorful decorative elements rotten own infinite life.



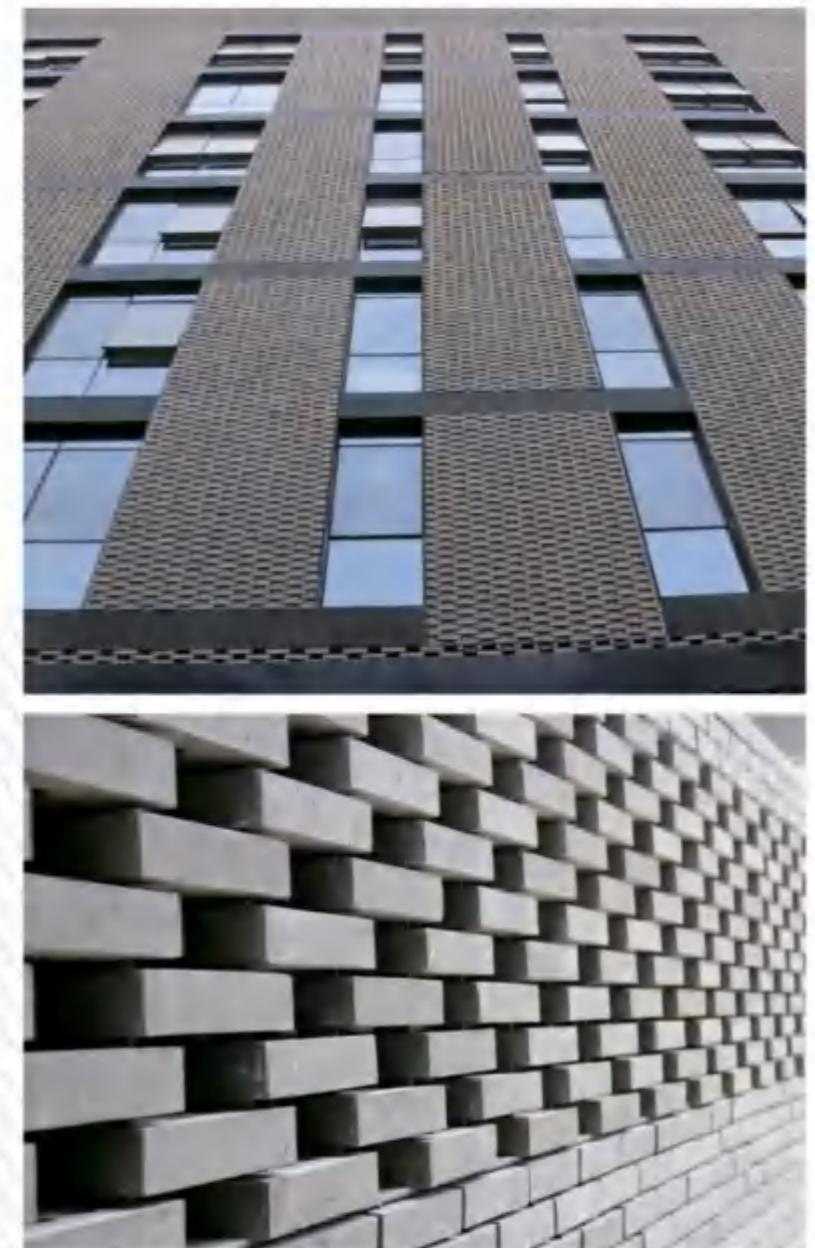
工程案例 南京三宝科技大厦 – 中国江苏  
Projects Nanjing Sample Technology Building--Jiangsu China





工程案例 成都大慈寺商业综合体博舍酒店 – 中国四川  
Projects The Temple House in Chengdu --Sichuan China

ENGINEERING CASE  
工程案例





① 工程案例 苏州浒墅关小学 – 中国江苏  
Projects Suzhou Hushuguan Primary School  
--Jiangsu China

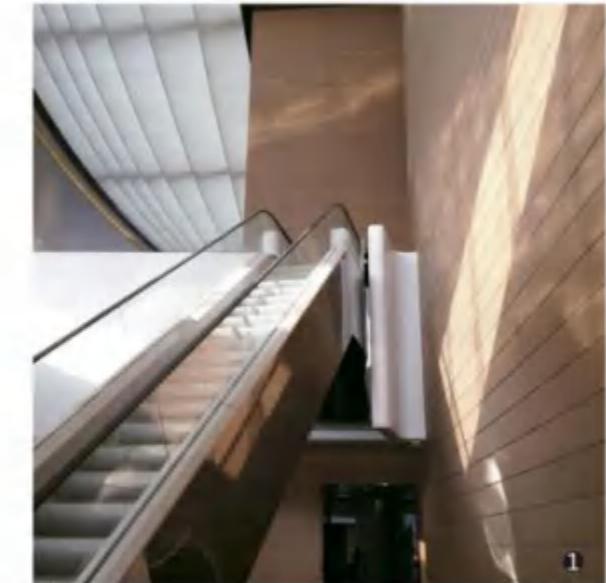
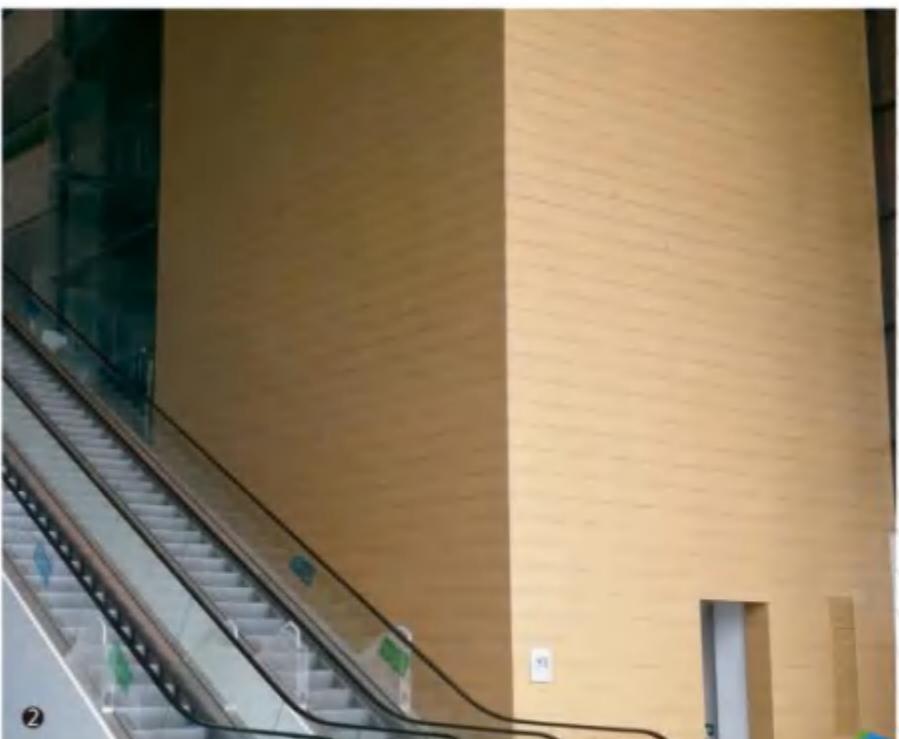
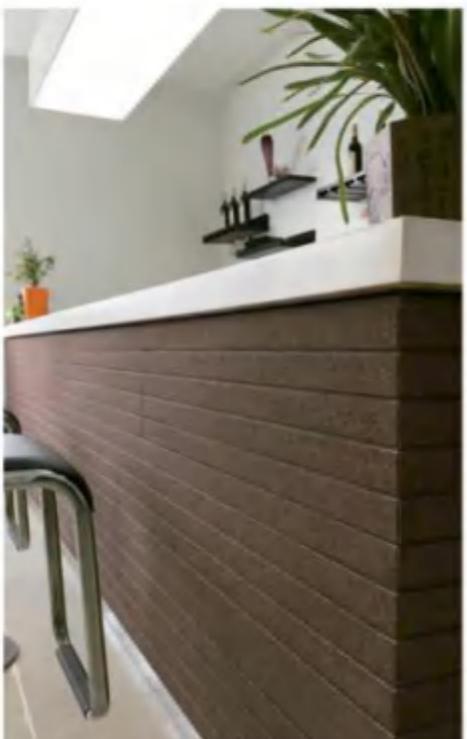
② 工程案例 南京青奥村国际风情街 – 中国江苏  
Projects International Flavor Street in Nanjing  
Youth Olympic Village  
--Jiangsu China

## 脱于尘俗的超然境界

自然的艺术经科技的雕琢还原千年造化的神韵，让蕴含岁月磨砺的壮美的空间里蔓延，建筑也因此多了时光的深度，生活变的内蕴丰富。

## Take off from mundanity of transcendence

Natural arts restore verve of millennial ages through carving of technology make splendor which contains anneal of ages spread over the space; building undertake more profundity of time, life become connotation-abundant.

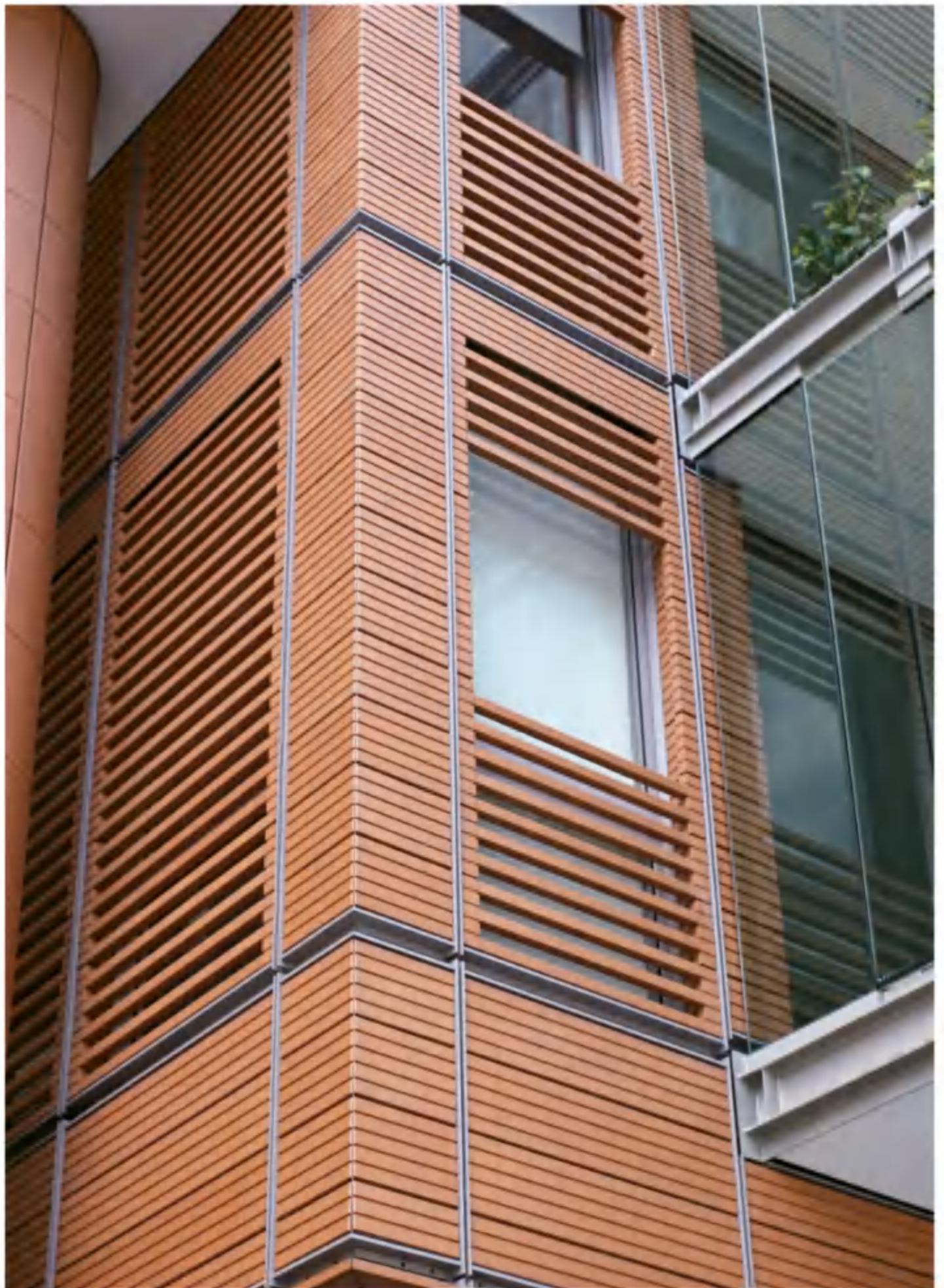


① 工程案例 昆山文化艺术中心 – 中国江苏  
Projects Kunshan Cultural Arts Center  
--Jiangsu China

② 工程案例 苏州盛泽会展中心 – 中国江苏  
Projects Shengze Convention Center  
--Jiangsu China



**ENGINEERING CASE** **PROJECT**  
工程案例



工程案例 美国如新大中华总部--中国上海  
Projects USA Un skin China headquarters-- Shanghai China





工程案例 Ting Hsin International Business Plaza, Shanghai, China

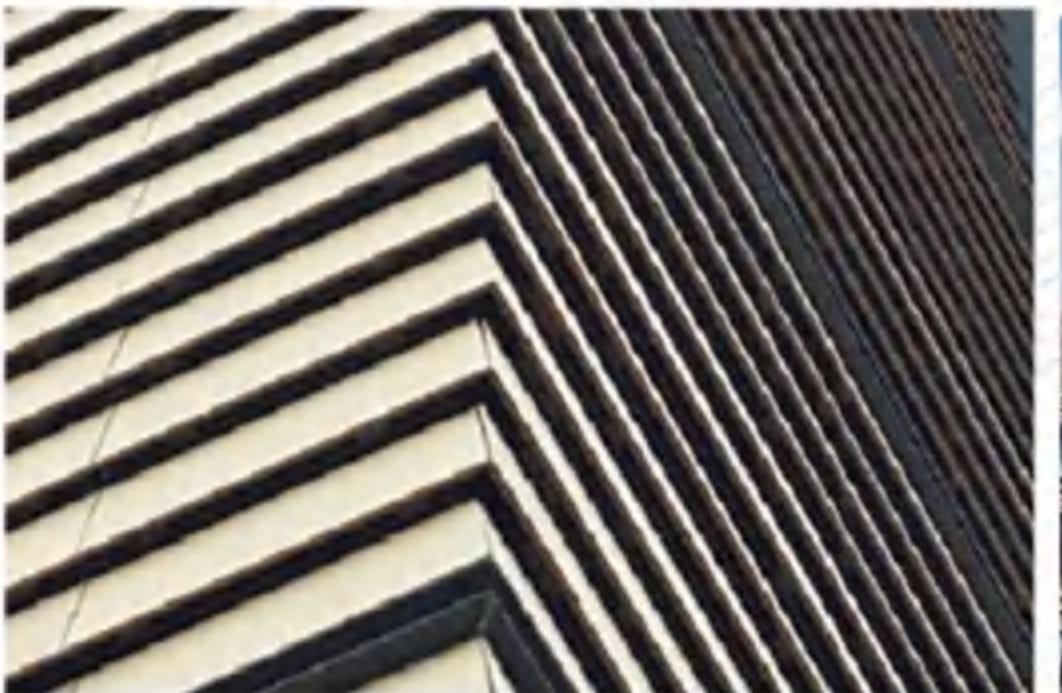


**ENGINEERING CASE**  
**工程案例**



工程案例 星巴克成都太古里旗舰店--中国四川  
Projects Flagship Store of Starbucks in Chengdu  
-- Sichuan China





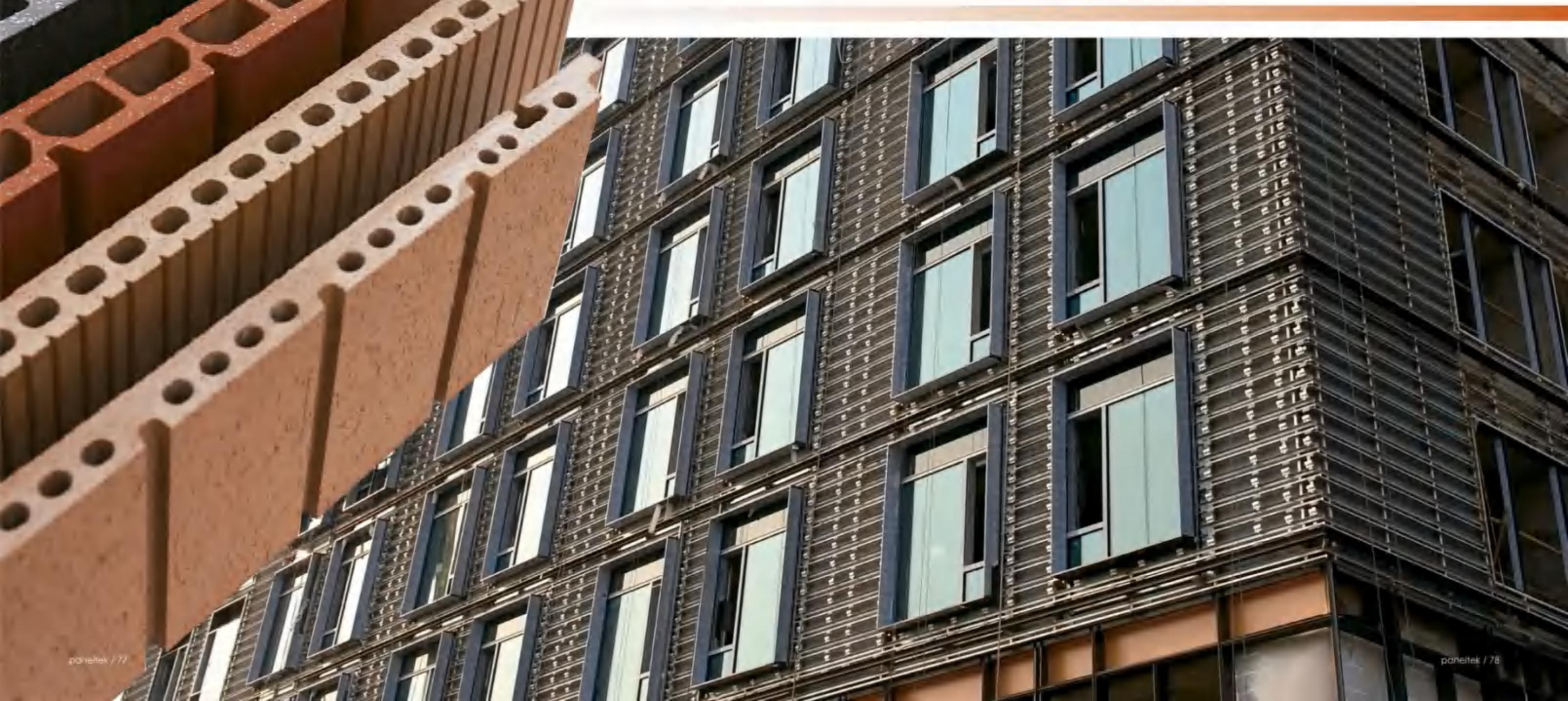
工程案例 Ting Hsin International Business Plaza, Shanghai, China



## INSTALLATION SYSTEM

安装系统 **D** INSTALLATION

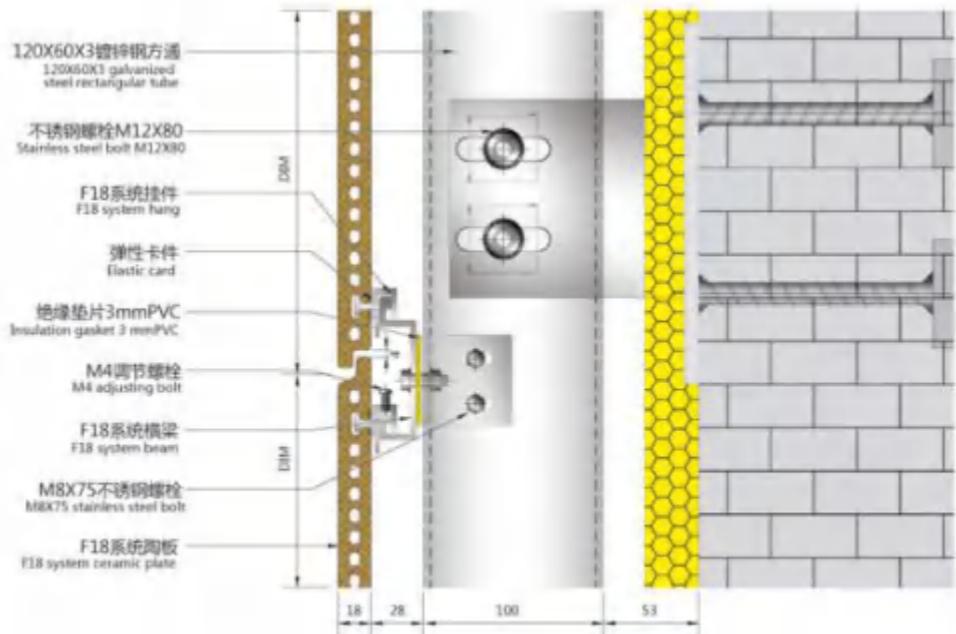
粹取自然的精华，以现代科技，成就每一座建筑的视觉之美  
Extract the essence of nature, combining with modern technology  
to realize the visual beauty of each building



## INSTALLATION DETAILS

### 安装节点

伯陶科F18竖剖节点图 / paneltek F18 vertical plan



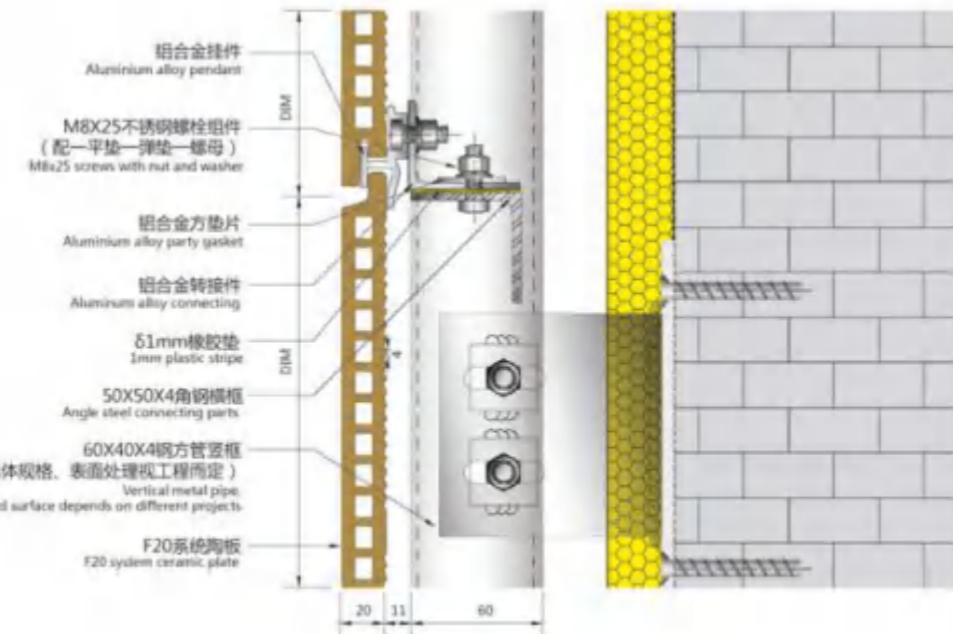
在经典艺术长河里探寻，并从中萃取灵感，伯陶科从诞生之始，就坚持与品位同行，与经典艺术同行。从欧洲发源，将经典建筑艺术奉献给中国消费者，是伯陶科一直所坚持的使命。

Since the date of Paneltek was created, we have devoted ourselves into searching for the perfect combination of art, classic with industrial products. Orientated from Europe, Paneltek will be present the unique and the best quality products to all the Chinese consumers.



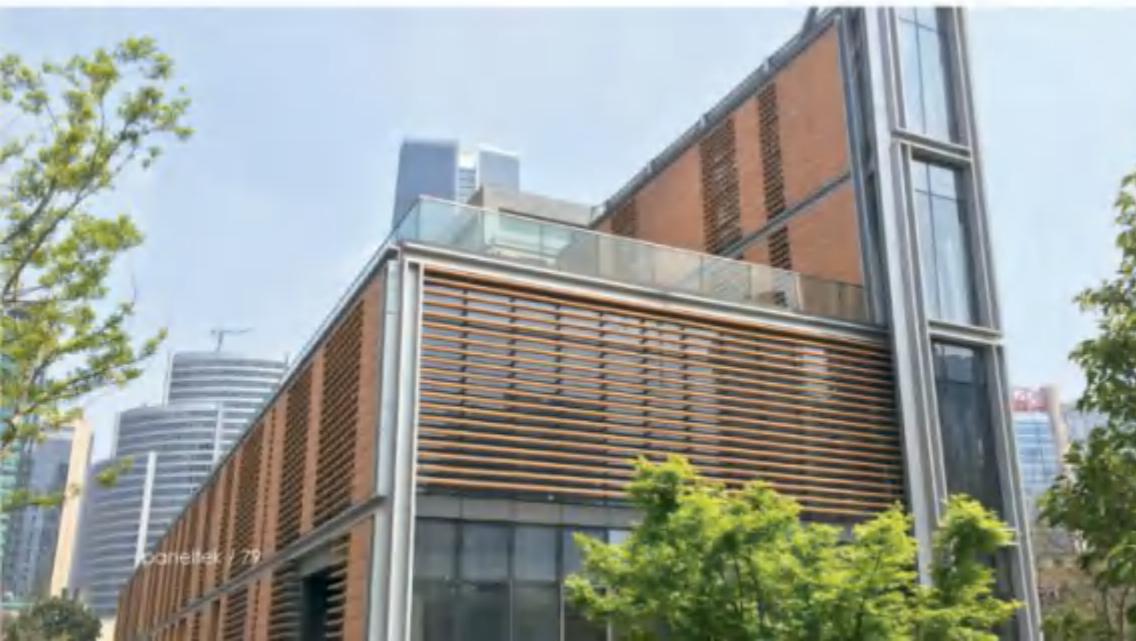
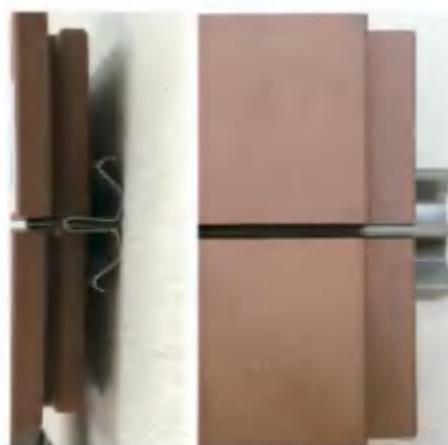
Installation System  
安装系统

伯陶科F20竖剖节点图 / paneltek F20 vertical plan



当彻底舍弃对内在的揣测，只将外在演绎到极致，形式已然上升为一种意义。正是以时尚经典的形式美感来诠释“酷”的内涵，传递出一种追逐的前沿、洒脱不羁的审美态度。

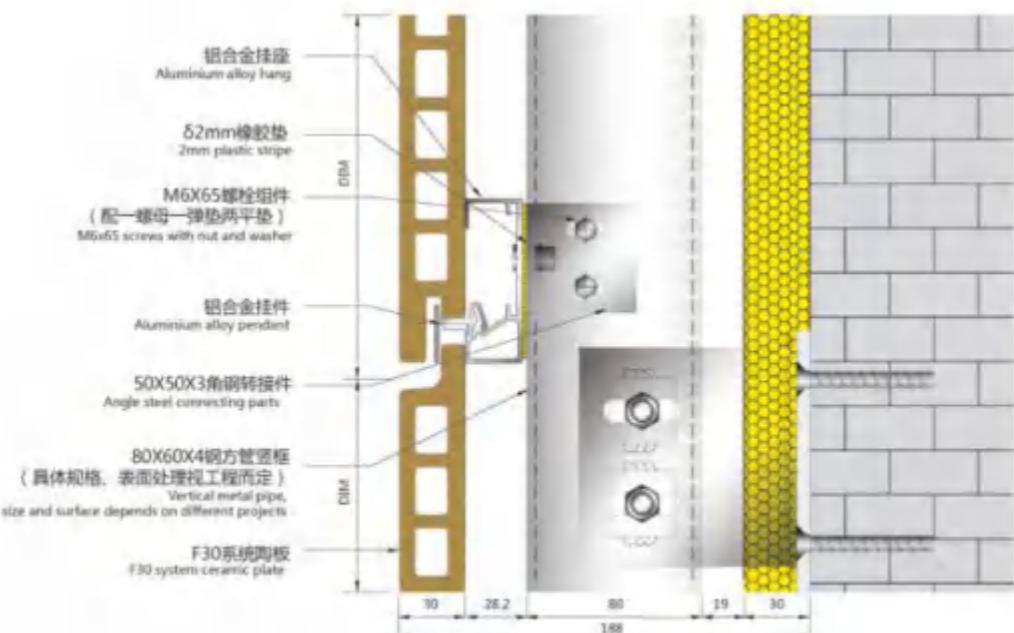
When completely discarded in the internal speculation, only the external interpretation to the extreme, already rising as a form of meaning. It is the classic form of beauty to fashion to interpret the "cool" connotation, conveys a chase in the forefront of the aesthetic joy and uninhibited attitude.



## INSTALLATION DETAILS

### 安装节点

伯陶科F30竖剖节点图 / paneltek F30 vertical plan

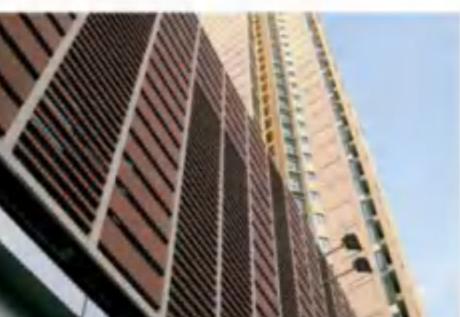


传承纯正西班牙血统，以登峰造极的工艺，打造力臻完美的产品来表现经典建筑的艺术典范，成就都市空间的装饰经典。

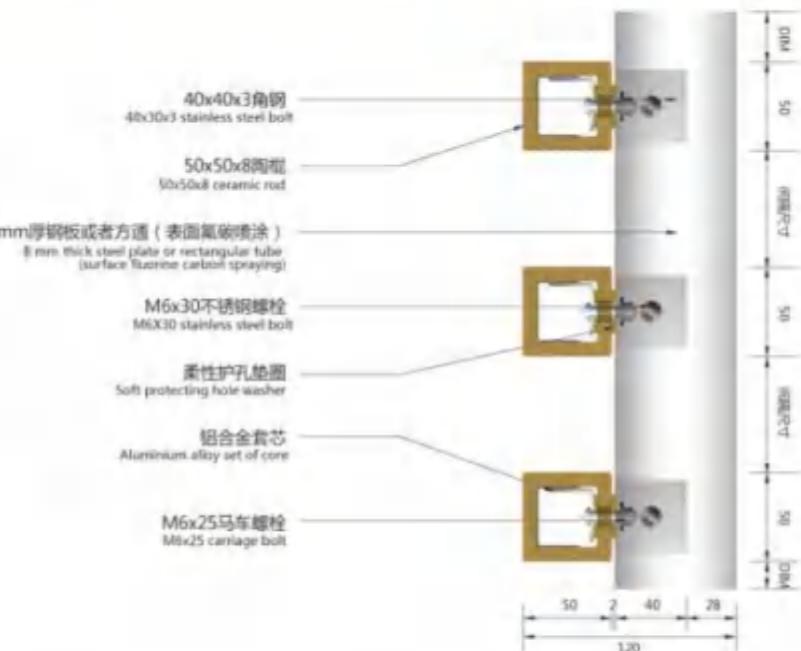
古朴典雅，于不经意间，营造赏心悦目的视觉效果。

Pure of Spanish ancestry, in order to reach the limit of technology, make force attain perfect products to classical architecture art performance model, the achievement of urban space.

Simple design, in casual, create a pleasing to the eye vision effect.



伯陶科方管横剖节点图 / paneltek square tube horizontal plan

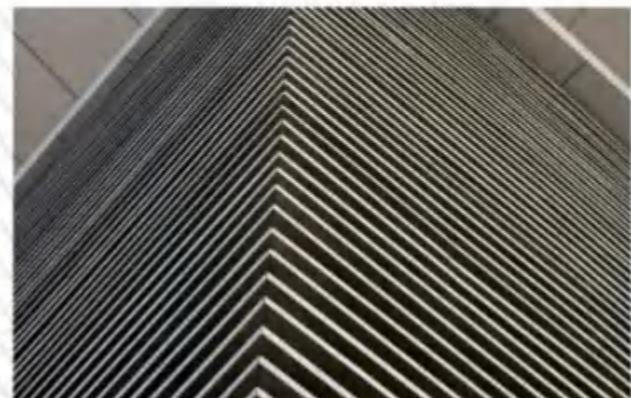


禅意的色调，为建筑空间勾勒出朴素的容颜。宁静的生活空间，丰富而简单的现代设计，穿行于岁月之中，让建筑充满生命力。

当你在流光异彩中迷离了双眼，你会发现，原来的质朴也将给你带去更深的触动。

The color of Zen sketches out a simple frame or living space. Peaceful and concised modern design shuttling in the years make decoration full of life.

When you are lost in a riot of colors, only Zen sketches can touch your heart.



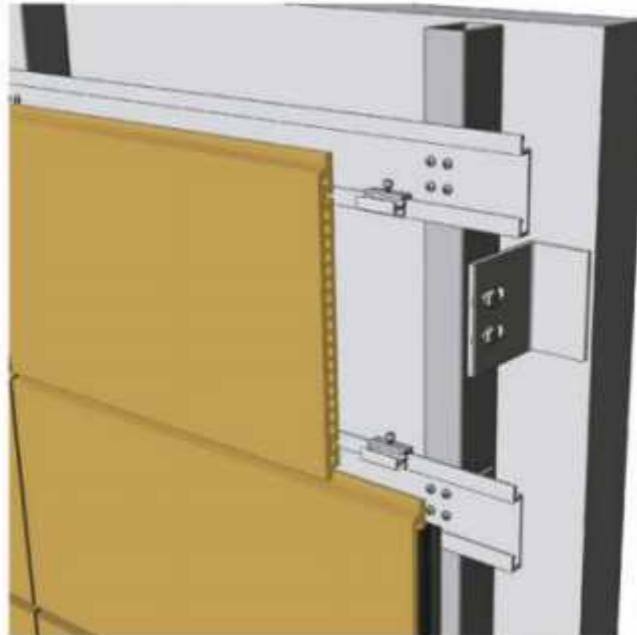
## **INSTALLATION DRAWING**

安装示意图

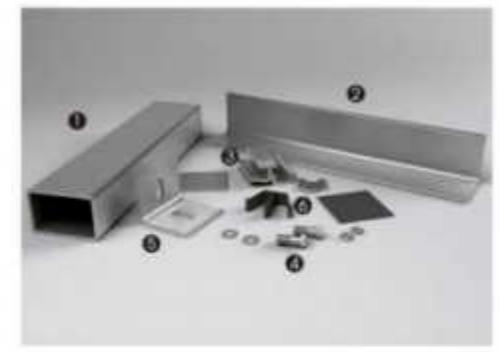
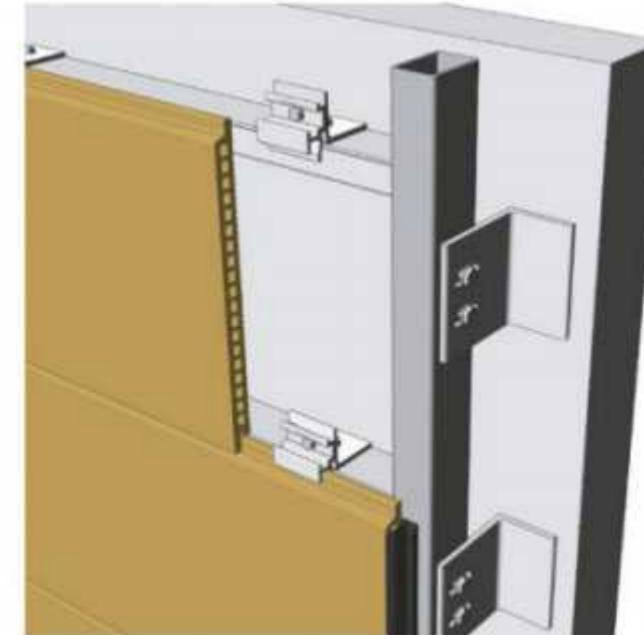
## Installation System 安装系统

伯陶科F18安装示意图

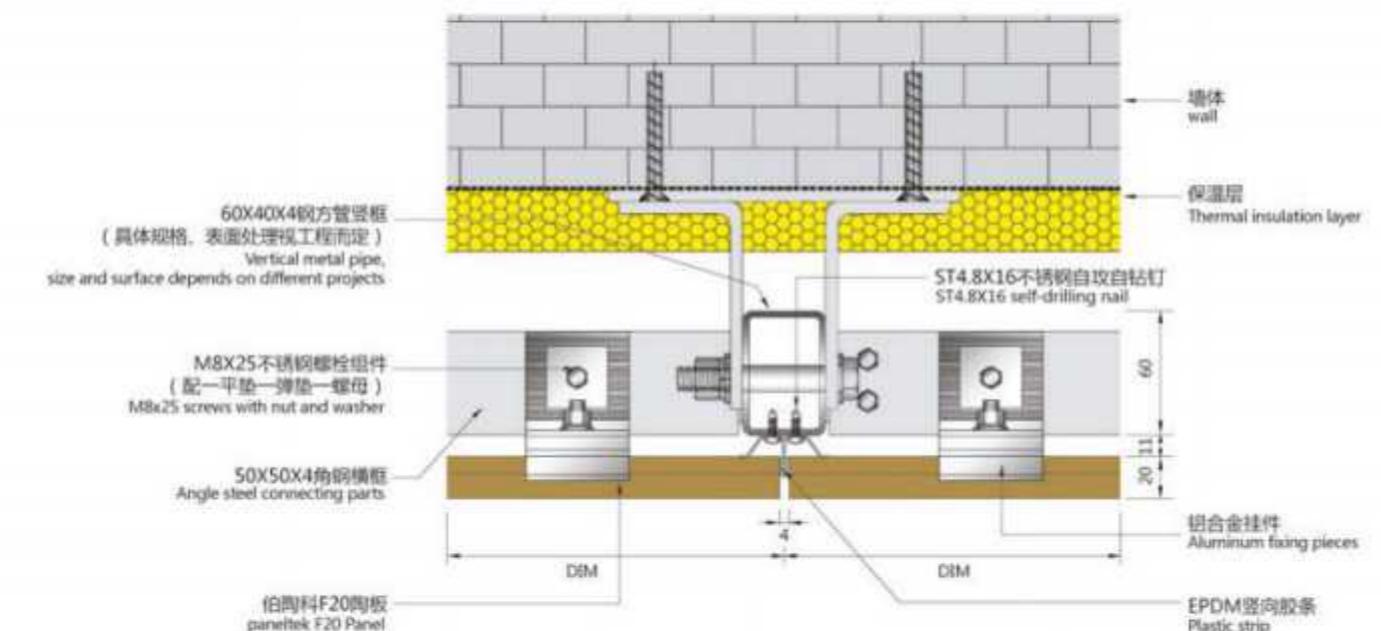
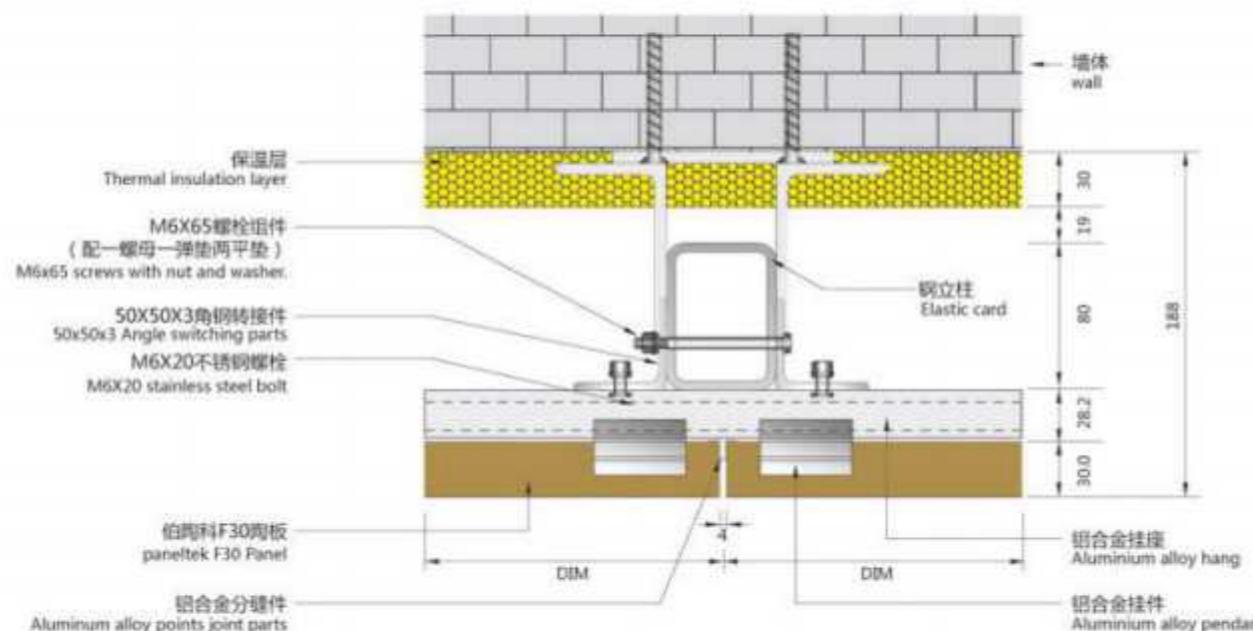
paneltek F18 installation drawing



- 120X60X3钢管置顶框  
(具体规格、表面处理视工程而定)  
Vertical metal pipe,  
size and surface depends on different projects
  - F18系统横梁  
F18 system beam
  - 铝合金挂座  
Aluminum fixing pieces
  - 3mm橡胶垫  
3mm plastic stripe
  - ST4.8X16自攻自钻钉  
ST4.8X16 self-drilling nail
  - M4调节螺钉  
M4 screw
  - EPDM塑向胶条  
Plastic strip
  - 弹簧片  
Spring
  - M8X70不锈钢螺栓  
M8X70 stainless steel bolt



- ① 60X40X4钢管弯头  
(具体规格、表面处理视工程而定)  
Vertical metal pipe,  
size and surface depends on different projects
  - ② 50X50X4角钢转接件  
Angle steel connecting parts
  - ③ 钛合金挂件  
Aluminum fixing pieces
  - ④ M8X25螺栓组件  
(配一螺母一弹垫两平垫)  
M8x25 screws with nut and washer.
  - ⑤ 钛合金转接件  
Aluminum alloy connecting



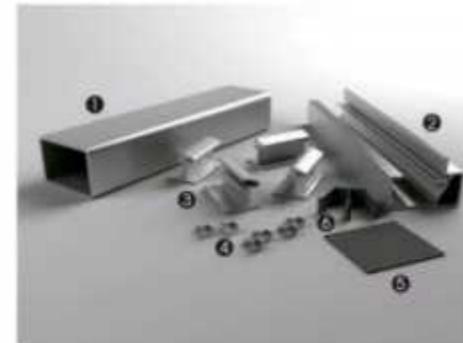
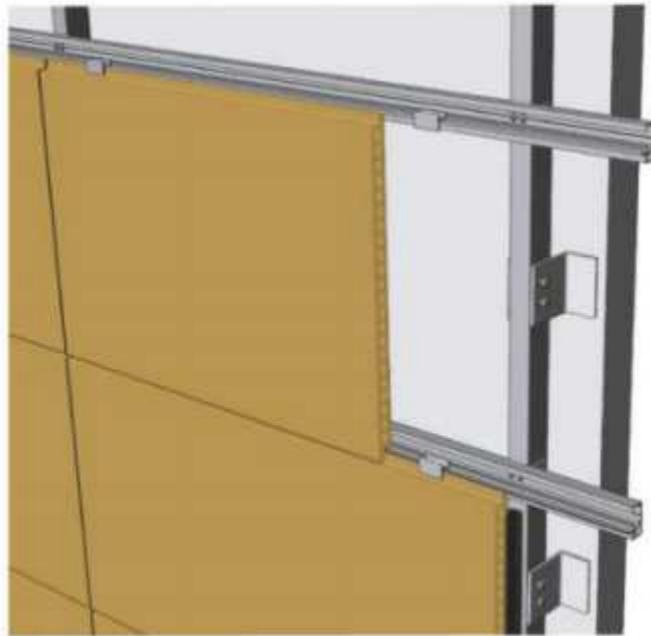
# INSTALLATION DRAWING

## 安装示意图

Installation System  
安装系统

伯陶科F30安装示意图

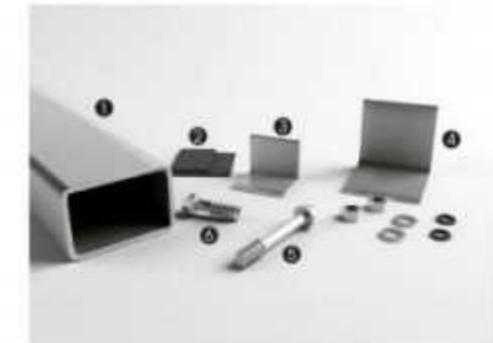
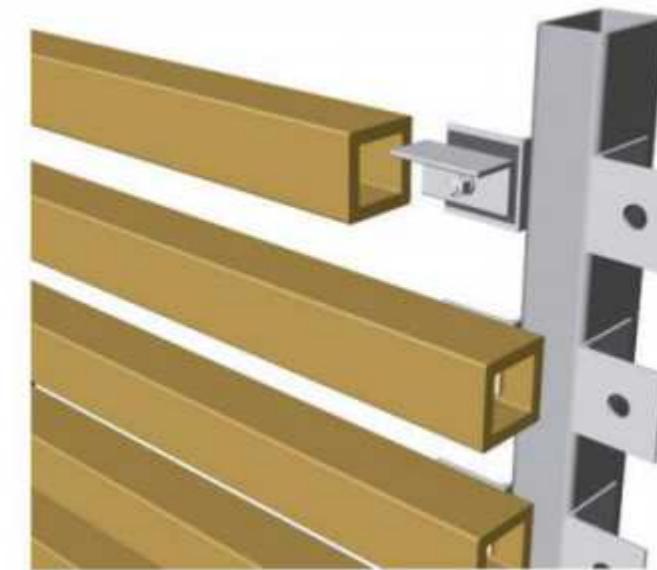
paneltek F30 installation drawing



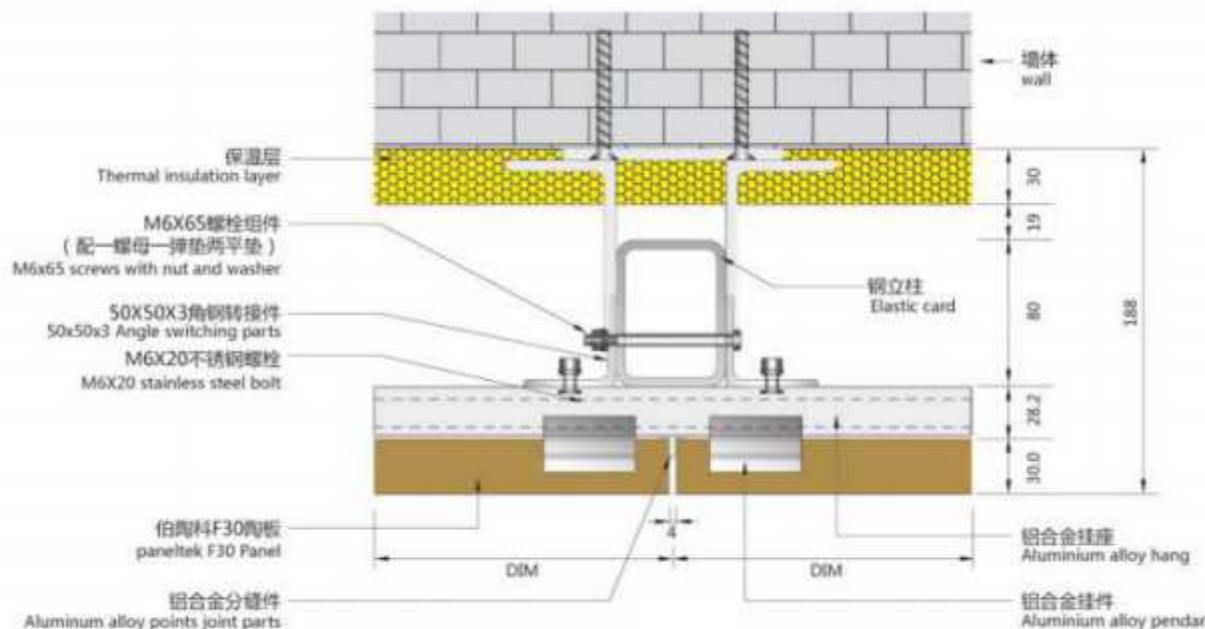
- ① 60X40X4钢管连接框  
(具体规格、表面处理视工程而定)  
Vertical metal pipe.  
size and surface depends on different projects
- ② 铝合金横框  
The aluminum frame
- ③ 铝合金挂件  
Aluminum fixing pieces
- ④ ST4.8X16自攻自钻钉  
ST4.8X16 self-drilling nail
- ⑤ 1mm橡胶垫  
1mm plastic stripe
- ⑥ EPDM竖向胶条  
Plastic strip

伯陶科50陶管安装示意图

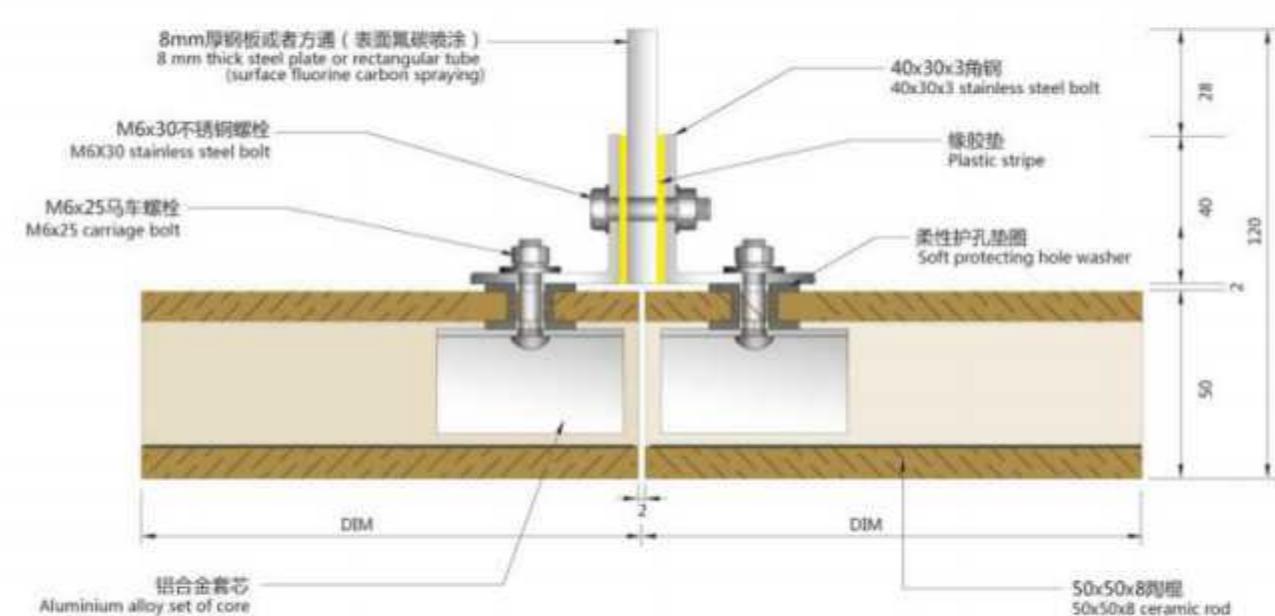
paneltek square tube installation drawing



- ① 管方管竖框  
Vertical metal pipe.
- ② 橡胶垫  
Plastic stripe
- ③ 角钢套芯  
Angle steel set of core
- ④ M6X65螺栓组件  
(配一螺母一弹垫两平垫)  
M6x65 screws with nut and washer.
- ⑤ M6X25螺栓组件  
(配一螺母一弹垫两平垫)  
M6x25 screws with nut and washer.



- 墙体  
wall
- 保温层  
Thermal insulation layer
- M6X65螺栓组件  
(配一螺母一弹垫两平垫)  
M6x65 screws with nut and washer
- 50X50X3角钢转换件  
50x50x3 Angle switching parts
- M6X20不锈钢螺栓  
M6x20 stainless steel bolt
- 伯陶科F30陶板  
paneltek F30 Panel
- 铝合金分键件  
Aluminum alloy points joint parts
- 铝合金挂座  
Aluminium alloy hang
- 铝合金挂件  
Aluminium alloy pendant
- 弹性卡  
Elastic card
- 40X30X3角钢  
40x30x3 stainless steel bolt
- 8mm厚钢板或者方通 ( 表面氟碳喷涂 )  
8 mm thick steel plate or rectangular tube  
(surface fluorine carbon spraying)
- M6X30不锈钢螺栓  
M6x30 stainless steel bolt
- M6x25马车螺栓  
M6x25 carriage bolt
- 柔性护孔垫圈  
Soft protecting hole washer
- 50X50X8陶棍  
50x50x8 ceramic rod



## INSTALLATION STEPS

### 安装步骤图

Installation System 安装系统

伯陶科F18安装步骤图(有横梁)

paneltek F18 installation drawing (with rail)



A



B



C



D



在铺贴陶板前应该规划好外墙，计算好每一块陶板的位置和必要的切割，保证每一块陶板都准确地按照计划的位置安装。

外墙安装以金属结构的装配开始，由已经建立的标准模块形成一系列的特征，保证系统的承抗能力和稳定性。

It is necessary to lay out the facade before mounting the structure in order to study the position and necessary cutting of each piece to ensure that all the pieces are laid in the way originally planned.

Work on the facade starts with the assembly of the metallic support structure which is made up of standard modules for which a series of characteristics have been established to ensure the system's resistance and stability.



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伯陶科F20安装步骤图(无横梁)

paneltek F20 installation drawing (without rail)



A



B



C



D



伯陶科采用最新的技术设计了独特的干挂构件系统。陶瓷面板的安装使用不锈钢龙骨去完成。

Paneltek department using the latest technology, designed a self-supporting structures, the installation of ceramic panel by stainless steel support frame to complete.

固定支撑架与纵向龙骨连接间，预留一定的空间，以便放置隔音材料或保温材料。

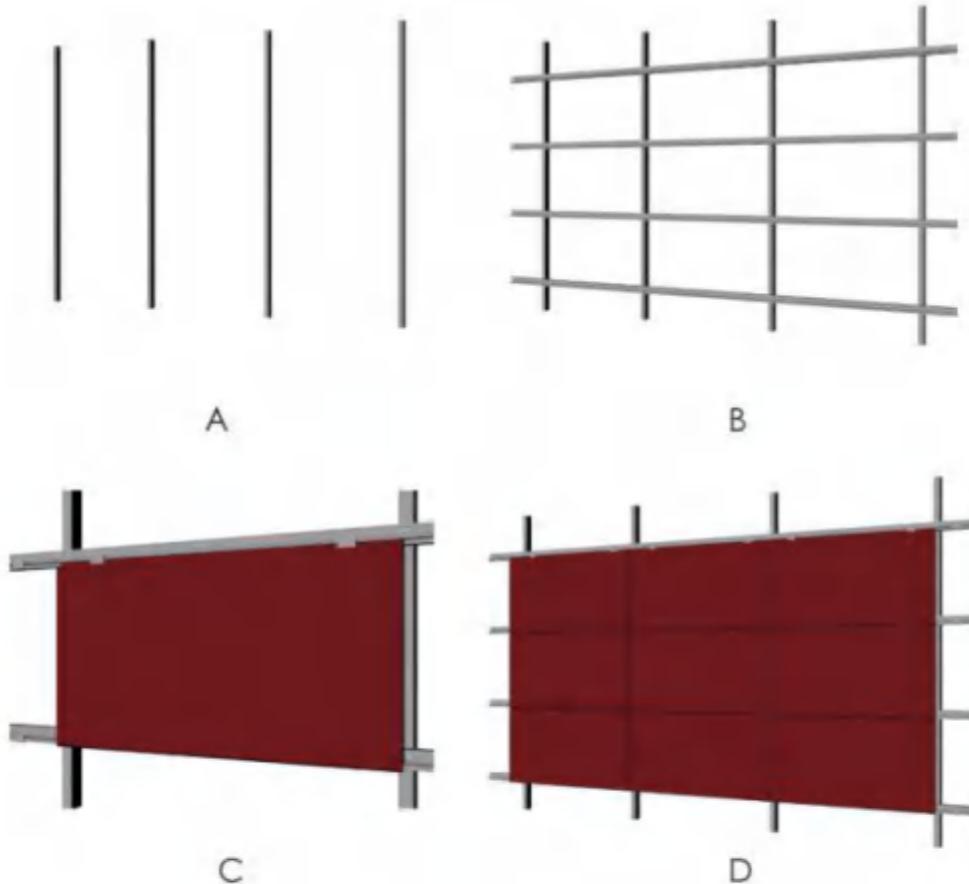
Keep some space between the wall and vertical aluminum profile in order to fix in insulation material.

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## INSTALLATION STEPS

### 安装步骤图

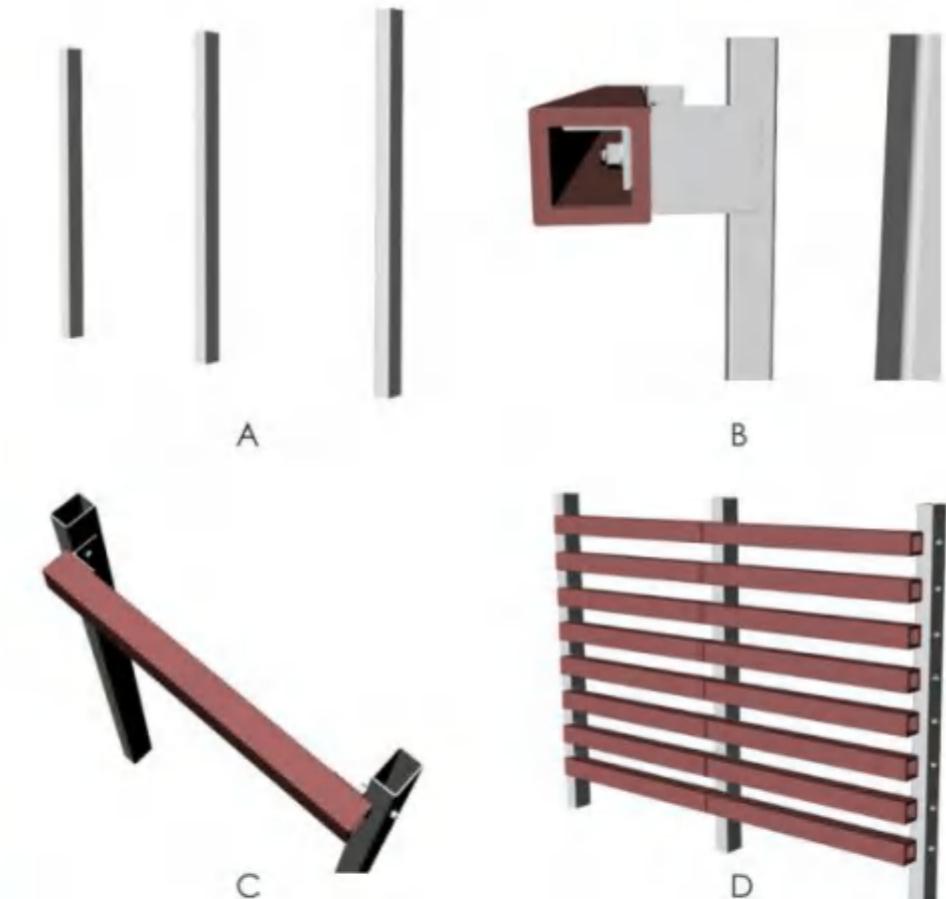
伯陶科F30安装步骤图(有横梁)  
paneltek F30 installation drawing(with rail)



伯陶科陶板的特别设计，以及紧构件的用处，在其横截面边缘处可得到充分表现，底部的槽孔刚好插入底部的构件中，处于上方的构件将陶板定位，通常上方的构件在两块陶板放置好后再插入，以同时固定两块陶板。

The paneltek piece's special design, featuring a slot along its horizontal edges, facilitates the laying of the pieces. The lower notch is inserted in the lower cramps and then one of the upper cramps is put in place to support and thus prevent the piece from turning, and keeping it in place. The upper clamp is not put in place until the next piece is fitted so that the clamp holds both of them.

伯陶科方管安装步骤图  
paneltek square tube installation drawing



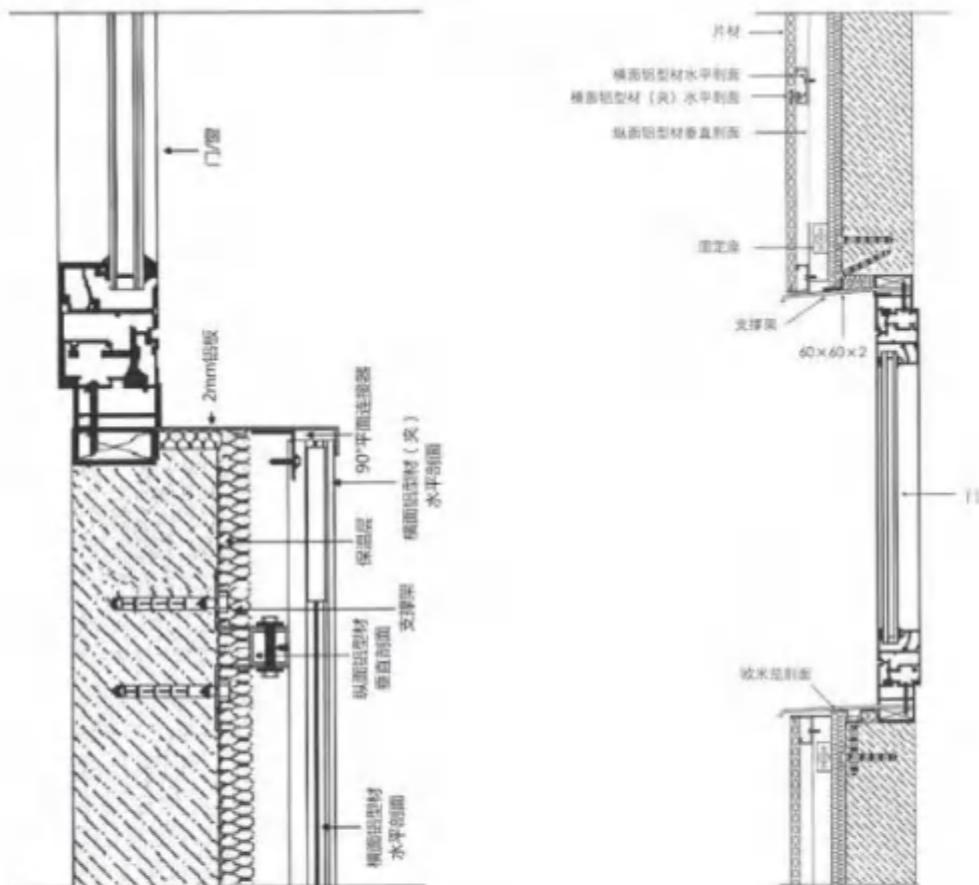
伯陶科系列通过不锈钢紧构件固定四块大面积陶板，一来用于固定下方两件陶板，二来也对上方两件陶板起到拉紧与支撑的作用，不锈钢紧构件用自封不锈钢螺丝与纵向铝型材紧紧连接，保证整个结构异常坚固与稳定。

The system allows for the attachment of four ceramic panels by means of a clamp that is used to hold the two lower pieces and to a structure of vertical aluminium sections by means of self-blocking stainless steel screws.



### 与门窗结合 / paneltek F30 vertical plan

与门窗结合水平剖面图



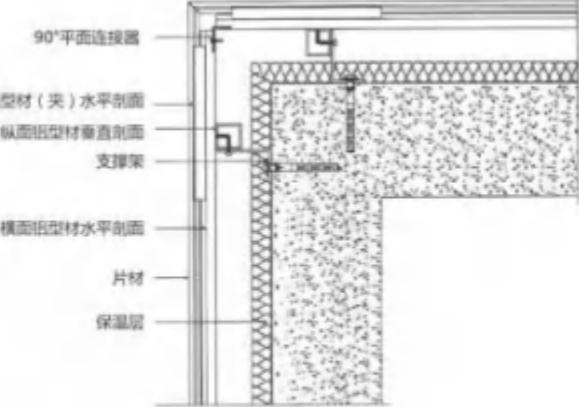
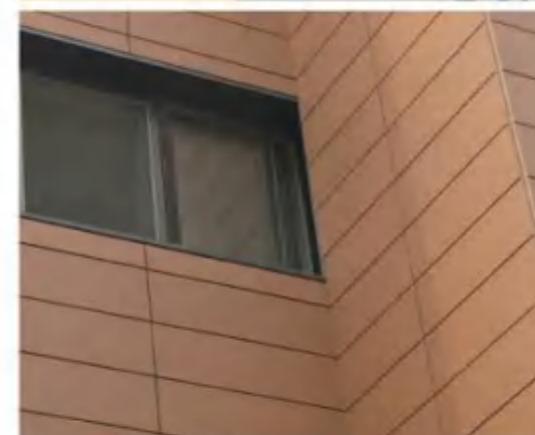
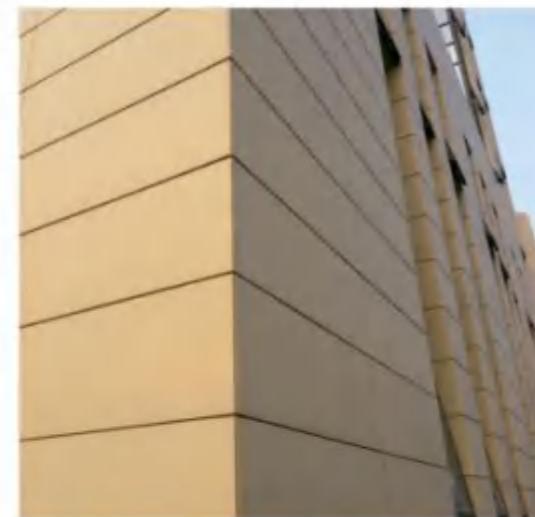
考虑到开口位置（如门口、窗户等等）我们同样提供了完美的解决方案，精心特别设计的系统为所有建筑物外墙装饰和保护。

Taking into account the open position (such as door, window, etc.) We also offers the perfect solution, especially well-designed system for all building exterior decoration and protection.

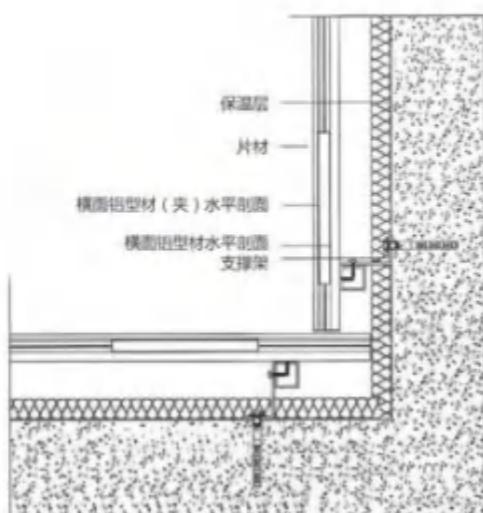


### 阳角安装示意图 / paneltek square tube horizontal plan

阳角安装示意图



阴角安装示意图



角落的精整由在两块陶板切割形成的一个简单的半露方柱边缘进行形成角度，从而达到一个完善的最终结果。

The finishing of the corners is performed by a simple pilaster edge cut on the two pieces forming the angle, thereby achieving a perfect end result.

## THE THRILL OF CREATION



## 细节处理效果

边角的处理可有两种解决方式：简单的两片面板边割拼接，实现完美视觉效果。配合建筑物不同功能的开口位，有不同的解决方案，广泛地应用到不同的用途现代建筑：学校、医院、办公楼、工业建筑、公共建筑、购物中心等。

## Finishes

The finishing of the corners is performed by a simple pilaster edge cut on the two frontek pieces forming the angle, thereby achieving a perfect end result. In order to allow for openings (doors, windows, etc.) the system has specific solutions to cater for each one of these cases. Both systems are specifically designed for the paneling of frontages and provide an innovative and reliable solution for the outside facing and protection of housing and buildings of all kinds: schools, hospital, offices, industries, public buildings, shopping centres and so on.



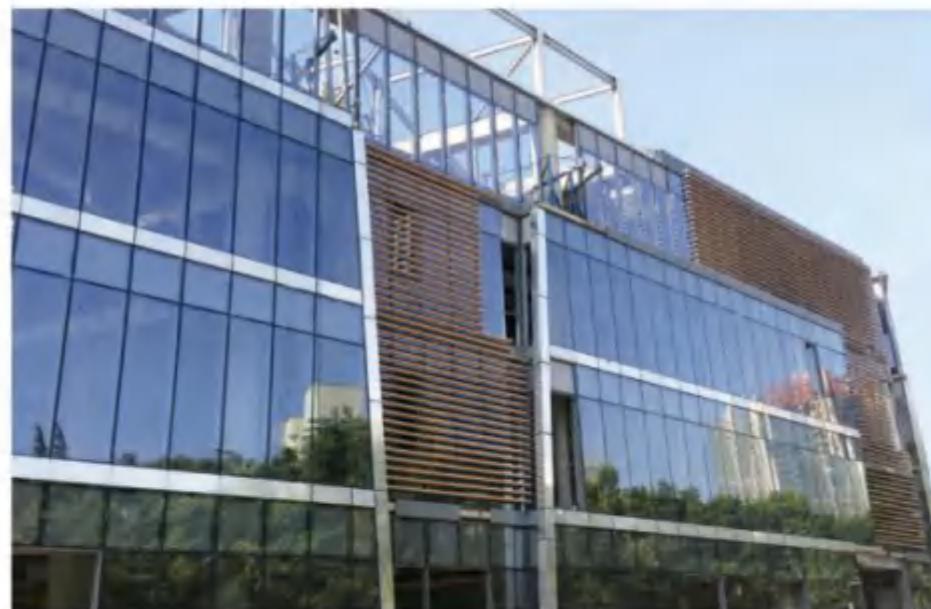
## 接缝效果

独具一格的产品接缝形式多样，工程经验丰富，配合每个工程确保建筑设计一致和谐。

## Capping

A solution that is especially recommended for crowning structures that are placed on the plane of the facade, with the exclusive Frontek extruded ceramics piece adapted to each project. An innovative approach for those designs in which the uniformity of the materials is of the utmost importance.





### 与铝合金结合效果

陶板系列安装上铝型材的采用，即方便简单，又简单明了，为现代建筑的外墙设计提供了无限种组合可能。与金属以及玻璃的结合，再加上宏伟大气的陶板，是整体和谐的保证。

### Aluminium capping

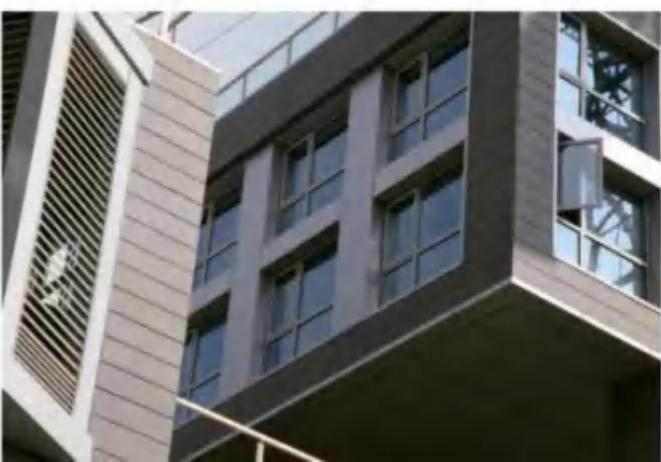
The finishing of the corners is performed by a simple pilaster edge cut on the two pieces forming the angle, thereby achieving a perfect end result. In order to allow for openings(doors, windows, etc.) the system has specific solutions to cater for each one of these cases. Both system are specifically designed for the panelling of frontages and provide an innovative and reliable solution for the outside facing and protection of housing and buildings of all kinds: schools, hospital, offices, industries, public buildings, shopping centres and so on.

### 与玻璃幕墙结合效果

与玻璃幕墙的配合尤其使用与窗口位置均处于直线情况下的大型建筑物。该种设计在当今建筑学尤被推崇。线条流畅简洁。朴素中带出纯净高贵。

### Curtain Wall Capping

This type of finish is recommended for those projects in which the window follows the vertical line of the facade. A design especially considered for the most avant-garde trends in today's architecture, where the simplicity of details highlights the purity of straight lines.



# THE THRILL OF CREATION

### 田园般质朴的脉络仿若春泥，与自然和谐呼应

它是质朴与自然的完美呈现，沉稳、冷静，还原自然的纹理，将岁月的印痕展现在你的面前。古朴的风格，为建筑凭添了几分沉稳和内敛。

### Idyllically plain in style, renders harmony with nature

It gives a perfect expression of simplicity and nature. Steady, calm stripes shaped by the nature show the impression of years. Primitive style makes the building further steady and introverted.

### 安装现场 Installation site



1.

2.



3.

4.



# TECHNICAL DATA

## 技术数据

粹取自然的精华，以现代科技，成就每一座建筑的视觉之美  
Extract the essence of nature, combining with modern technology to realize the visual beauty of each building.

陶板均为中空肺泡结构，混合使用粘土和长石骨粒挤压而成，色料可以与氧化物混合在坯料中使用。

防火级别为 A 级（根据标准 DECISION96/603/EEC 规定）

产品的物理、力学以及几何规格都严格按照欧盟标准 UNE EN14411 要求执行。

物理及力学规格，根据欧盟标准 UNE EN ISO10.545 如右图：



Colour variety  
色差



Deep abrasion resistance  
防磨损系数

<175mm<sup>3</sup>  
UNE-EN 10545-6



Surface scratch resistance (Mohs scale)  
表面抗划损系数(大面积)



Resistance against thermal shocks  
抗热冲击系数

6-7  
UNE-EN 67-101



Rygienic resistance to chemical etching  
防腐蚀能力

UNE-EN 10545-13



Lineal thermal expansion coefficient  
直线热膨胀系数

<9x10-6 / °C  
UNE-EN 10545-8



Restitution coefficient  
还原系数

>0.8  
UNE-EN 10545-5



Water absorption  
吸水率

<0.1  
UNE-EN 10545-3



Bending resistance  
抗弯能力

35-55N/mm<sup>2</sup>  
UNE-EN 10545-4



Frost resistance  
防冻融

UNE-EN 10545-12



Resistance to staining  
抗污能力

UNE-EN 10545-14

# paneltek

伯陶科

## TECHNOLOGY INDEX 产品检测技术指标

性能指标 Performance index	306*F18 WHITE 306*F18 白色	306*F18 GRAY 306*F18灰色	310*F30YELLOW 310*F30黄色
吸水率 Bibulous rate	3.8%	4.8%	5.8 %
干燥重量 Dry weight	31Kg/m <sup>2</sup>	31Kg/m <sup>2</sup>	41Kg/m <sup>2</sup>
抗冻性 Frost resistance	经100次循环冻融后无裂	经100次循环冻融后无裂	经100次循环冻融后无裂
破坏强度 Damage strength	4966N	4779N	8722N
断裂模数 Rupture modulus	平均值: 97MPa, 最少值: 86MPa	平均值: 59.36MPa, 最少值: ≥50MPa	平均值: 92.43MPa, 最少值: ≥80MPa
泊松比 Poisson's ratio	0.16	0.16	0.16
弹性模量 Elastic modulus	44GPa	34GPa	34GPa
防火性能 Fire performance	A1级	A1级	A1级
耐酸碱性 Acid and alkali	ULA级	ULA级	ULA级
放射性 radioactive	A类装修材料	A类装修材料	A类装修材料
抗震性 Vibrate resistance	超过10度设防	超过10度设防	超过10度设防
模拟风压试验 Simulation wind pressure test	达到11kPa无破坏	达到11kPa无破坏	达到11kPa无破坏
隔声性能 Sound insulation performance	减少噪音9dB以上	减少噪音9dB以上	减少噪音9dB以上
传热系数 Thermal Transmittance	4.36w/(m <sup>2</sup> ·K)	4.36w/(m <sup>2</sup> ·K)	4.36w/(m <sup>2</sup> ·K)
抗热震性 Thermal shock resistance	经50次循环热震后 无炸裂及裂纹	经50次循环热震后 无炸裂及裂纹	经50次循环热震后 无炸裂及裂纹
耐污染性 Resistance to polluting	2级	2级	2级
抗冲击性 Impact resistance	0.78	0.78	0.78
线性热膨胀系数 Linear coefficient of thermal expansion	$5.2 \times 10^{-6} \text{°C}^{-1}$	$5.6 \times 10^{-6} \text{°C}^{-1}$	$5.6 \times 10^{-6} \text{°C}^{-1}$



## QUALITY CERTIFICATE 质检证书

伯陶科，陶土系列产品的顶尖制造者  
Panletek—Top producer of terracotta products.

凭借科学的管理方式和优秀的产品性能，富陶科、伯陶科及其产品获得了众多国际、国内权威机构的认可。

现今，富陶科、伯陶科如同冉冉升起的朝阳，以活力与稳健的姿态活跃于建筑外墙装饰领域，富陶科、伯陶科人的务实态度与厚积薄发的企业底蕴将带动新一轮企业的发展与进步。

我们以创新学习型企业为起点，营造可持续创新的发展空间，以专业精深的品质和服务致力于创造行业与客户的成长和繁荣。

With the strict management and excellent performance, frontek has gained great recognition from domestic and international markets.

We are now active in the construction facade world, with our honest and eager to improve, a brand new development and constant progress are emerging to the construction material market.

We started at the base of renovation and improve, and we will grow together with the support of customers and our devotion to professional and considerate service.

