

Oriental Architecture Skin



—Ieoh Ming Pei

ORIENTAL

Clear geopolitical attributes.

Porcelain is an invention of China, and its material conveys an emotional value akin to that of a "mother tongue"!

• "Taiheyan" glazed archway in Jiexiu, Shanxi Province, Qing Dynasty, Guangxu 23rd year (1897)



About 20,000 years ago during the late Paleolithic period, pottery was born. Pottery specimens unearthed from the Xianren Cave in Wannian, Jiangxi Province, prove that China was the earliest country to invent and use pottery.



During the Eastern Han Dynasty, porcelain in its true sense emerged. The Yue Kiln, the most famous celadon kiln system in ancient China, was established and fired during this period.



During the Northern Song Dynasty, the five major kilns of Ru, Guan, Ge, Jun, and Ding flourished in the north, achieving a superb level of Chinese ceramic art. During the Southern Song Dynasty, the folk kiln system, represented by Longquan celadon and Jingdezhen bluish white porcelain, flourished in the south.



During the Yuan Dynasty in the 14th century, kaolin was widely used, and mature blue and white porcelain with "white glaze and blue decoration" was also created during this period, gradually establishing Jingdezhen as the national porcelain production center.



The Ming Dynasty marked a period of great innovation in porcelain, serving as a milestone in ceramic history. With various innovative techniques emerging endlessly, Jingdezhen porcelain, as a significant carrier of Chinese cultural output, occupied a central position in global trade during that time.



Ceramics in the Qing Dynasty reached its peak of traditional craftsmanship, with its representative polychrome porcelain craftsmanship serving as a paradigm of the fusion of Chinese and Western elements. Jingdezhen became a benchmark in the global porcelain industry.



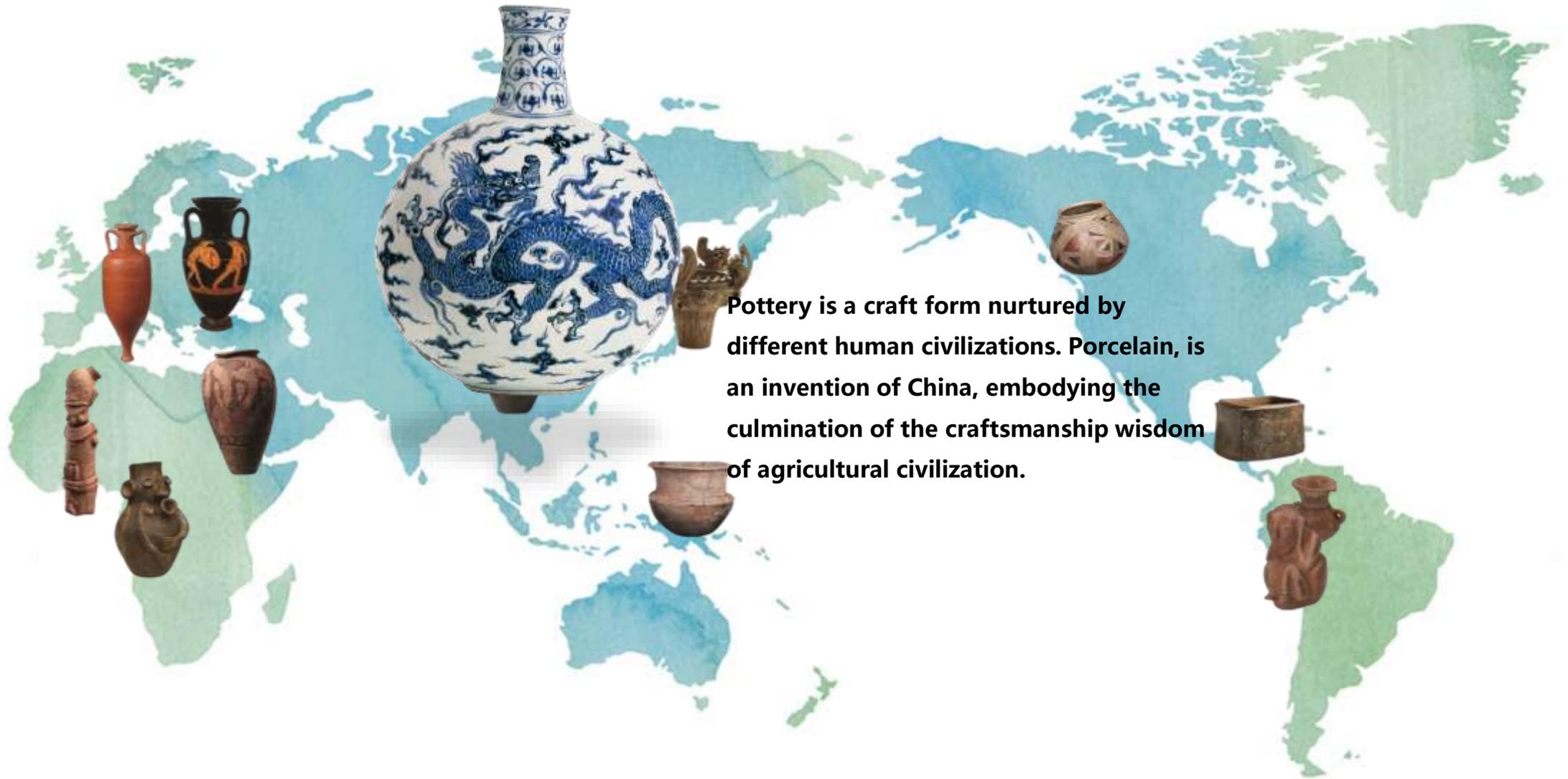
The discovery of using pottery pipes as sewer materials in the archaeological excavations of the Yin Ruins of the Shang Dynasty serves as a historical example of the application of ceramic materials in architecture



Based on the tile ends of the previous dynasties, the tile ends of the Han Dynasty surpassed them, with exquisite craftsmanship, and promoted the development of ancient architectural art.



In the Ming Dynasty, from the royal palaces in the center to the ancestral temples and monasteries in the localities, the abundant application scenarios provided an environment for the explosive development of architectural glazing.



Pottery is a craft form nurtured by different human civilizations. Porcelain, is an invention of China, embodying the culmination of the craftsmanship wisdom of agricultural civilization.

Rugged、Solidity
Low compactness、High water absorption

Delicate、Delicacy
High compactness、low water absorption

陶

瓷



- Purple ceramic clay specimen

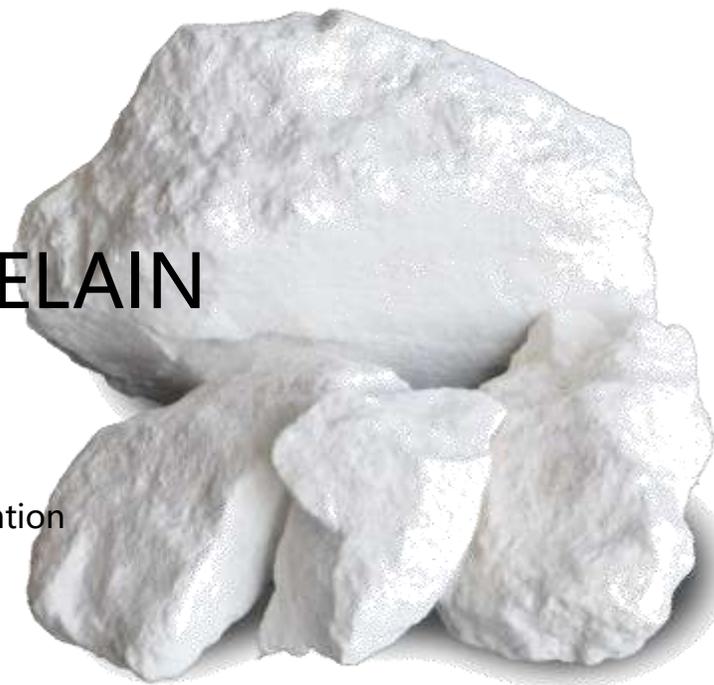


Secondary clay
Unary formulation

POTTERY

PORCELAIN

Primary ore
Binary formulation



- kaolinite mineral specimen



GREENWARE

GLAZE

Ceramic production mainly consists of three parts: "forming", "glazing", and "firing", among them, "forming" refers to the process of making green bodies.

The drawing process depicted in "Ghost Story" is the most widely spread in the "forming" craft, but the "forming" in real industrial production is not romantic at all.....





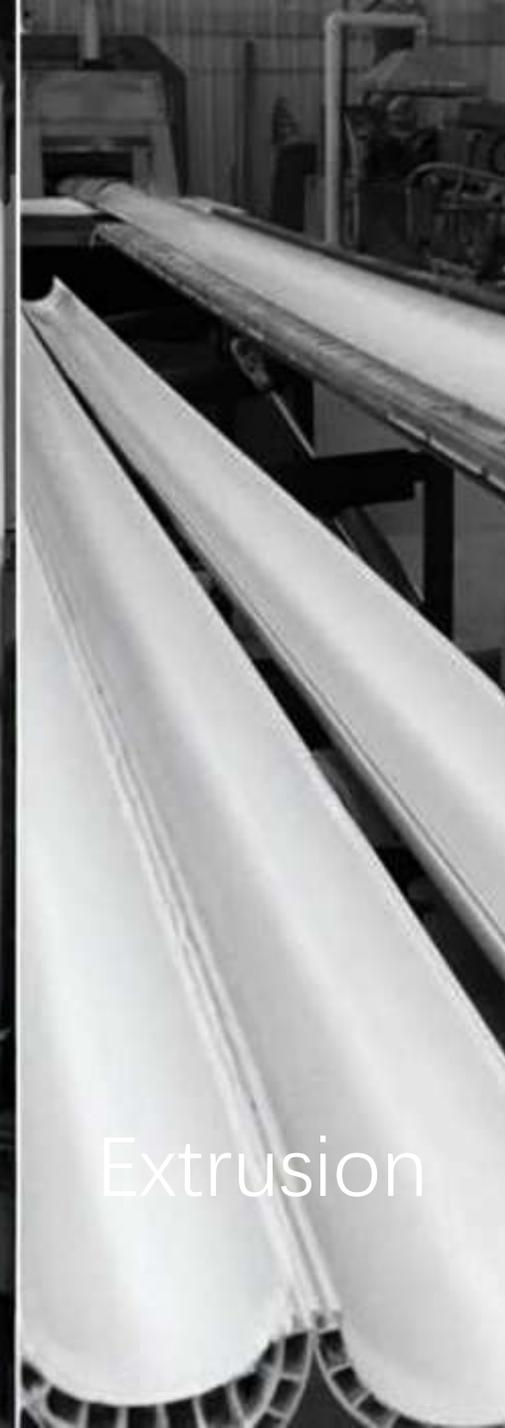
Slip Casting



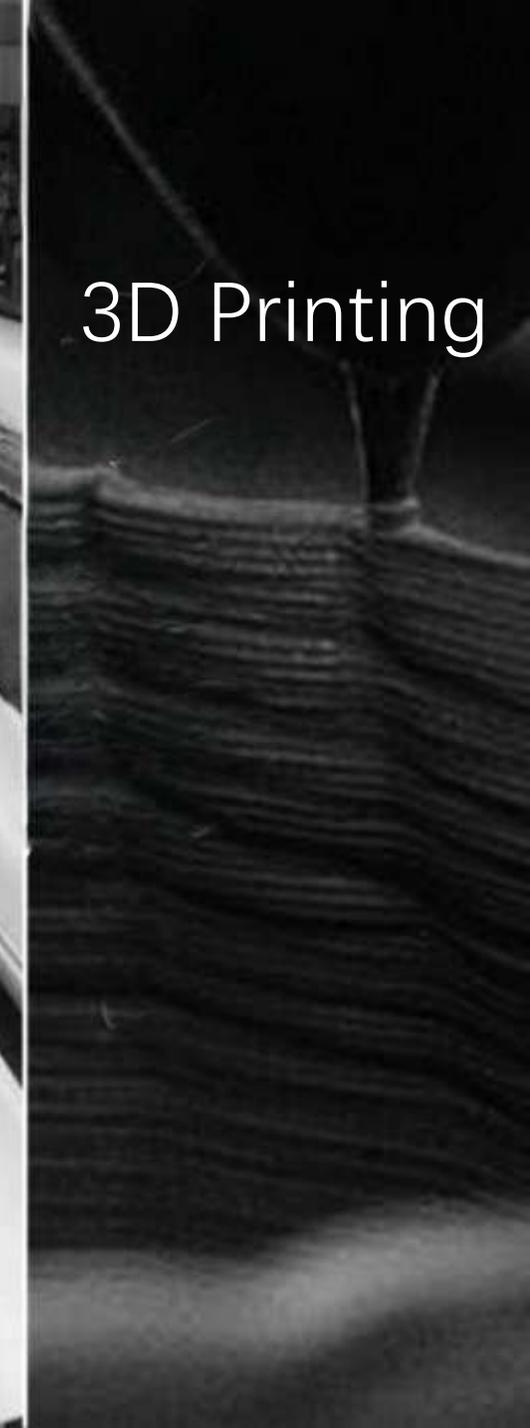
Dry Pressing



Wet Pressing



Extrusion



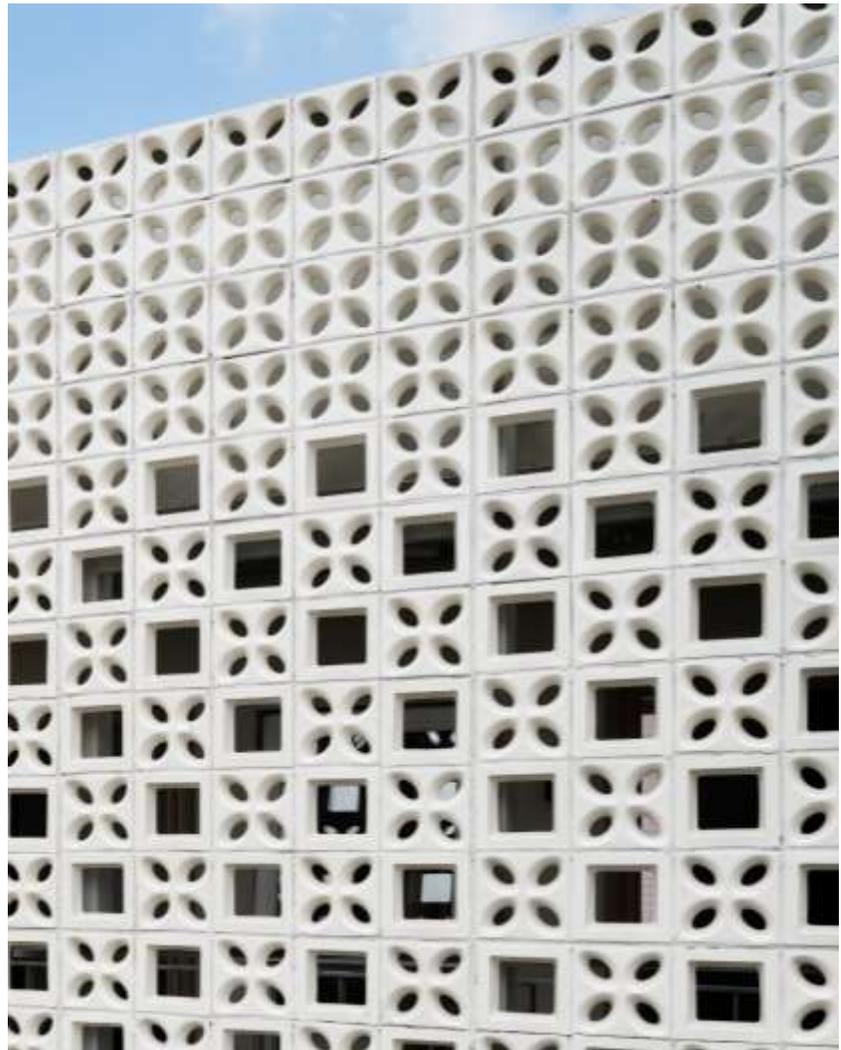
3D Printing



Slip Casting



Product Direction	Three - dimensional Special - shaped
Molding Medium	Slip
Moisture Content	High
Advantages	Low mold cost and high flexibility.
Disadvantages	Large dimensional deviation and low success rate for large scale production.





Slip Casting



Dwell (for mold slip absorption)



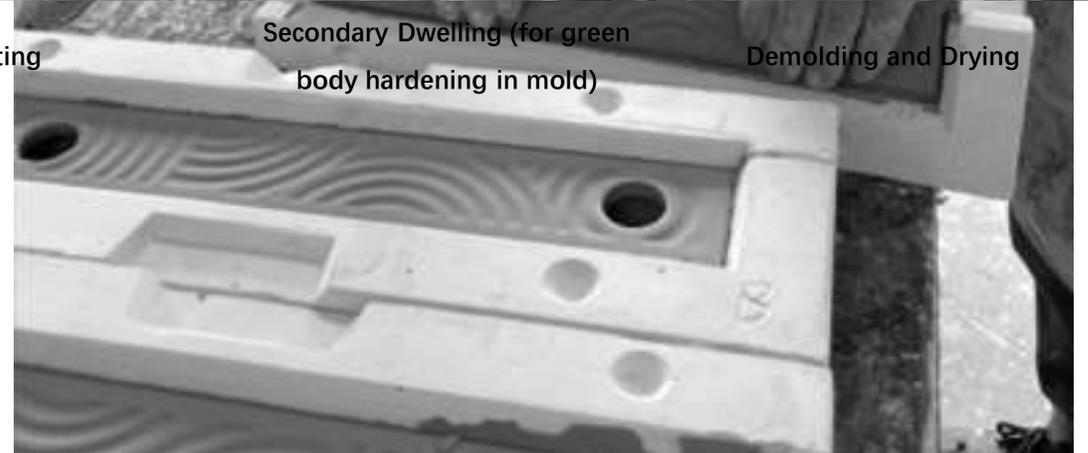
Backfill Casting

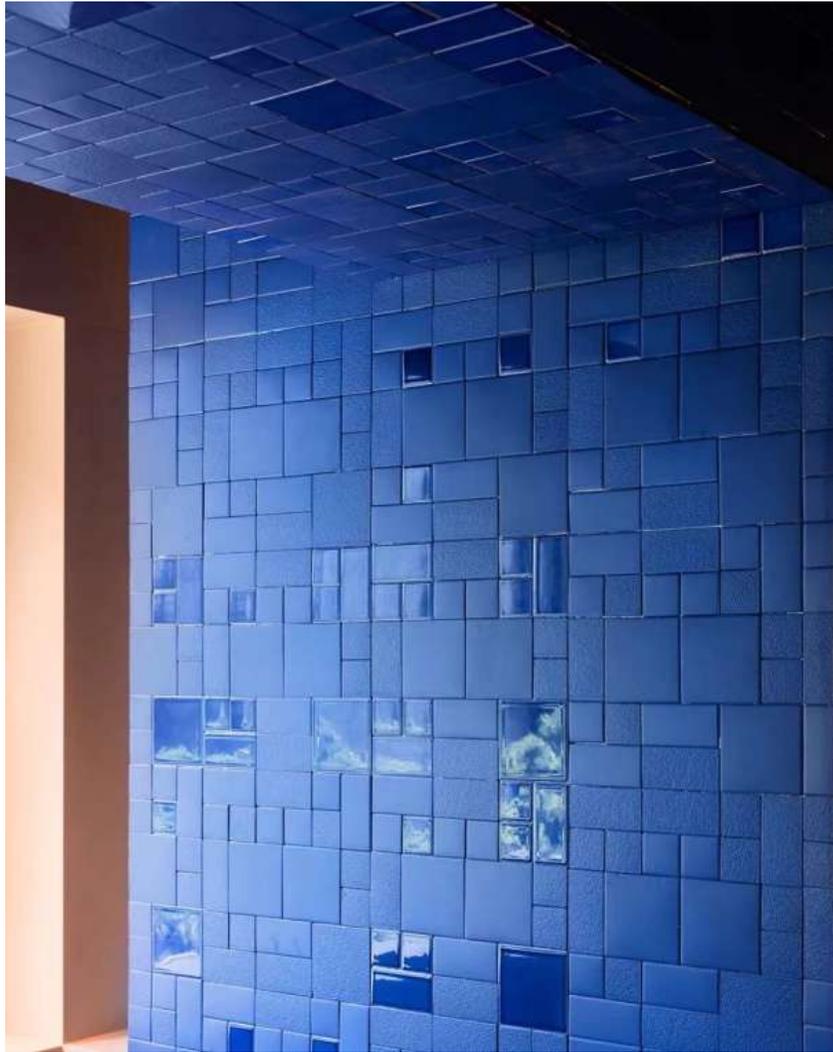


Secondary Dwelling (for green body hardening in mold)

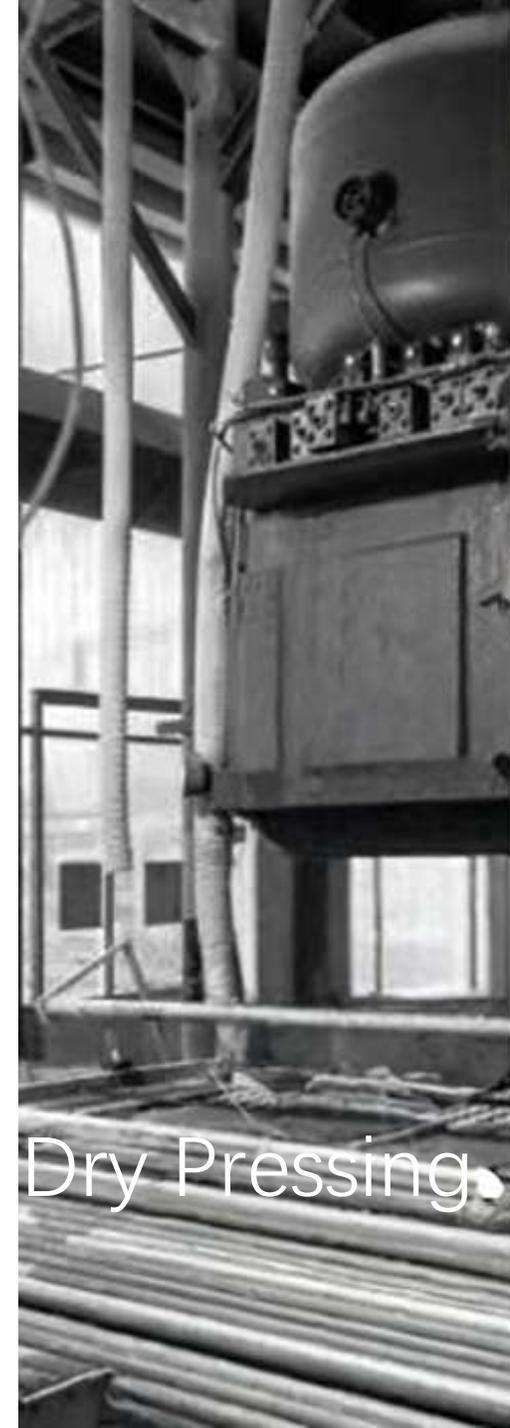


Demolding and Drying



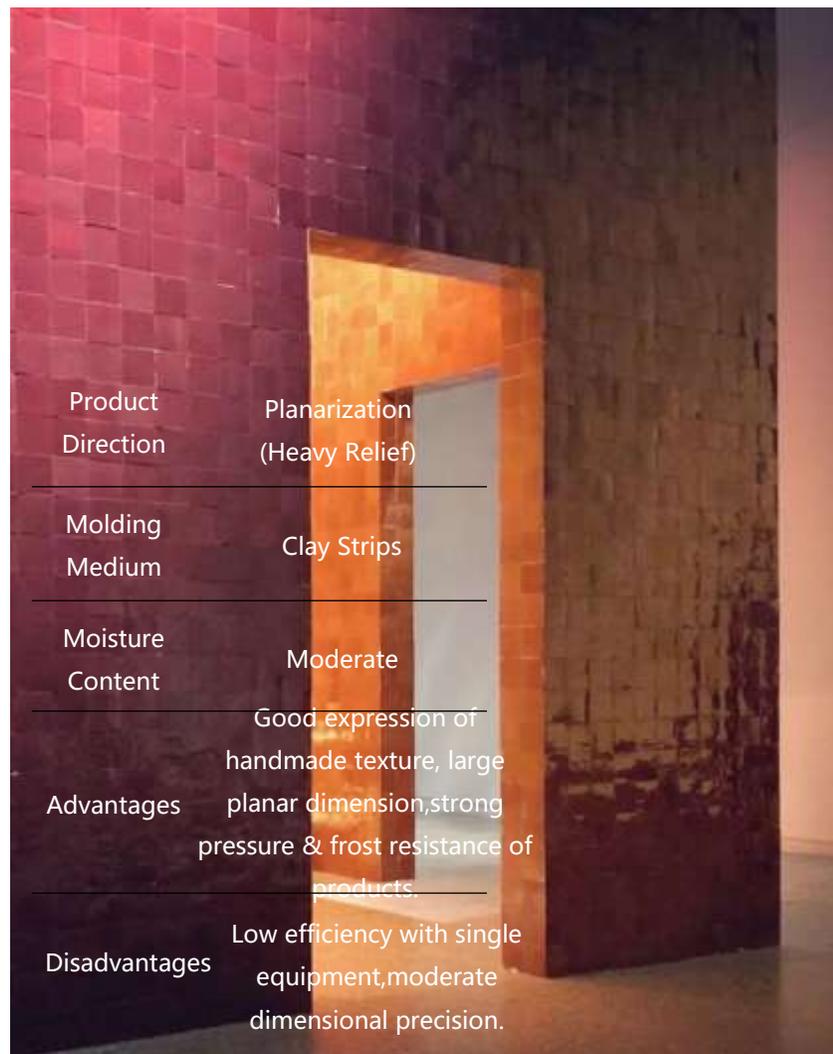


Product Direction	Planarization (Micro - relief)
Molding Medium	Dry Granules
Moisture Content	Low
Advantages	High production efficiency; good flatness.
Disadvantages	Single molding form; high mold cost.



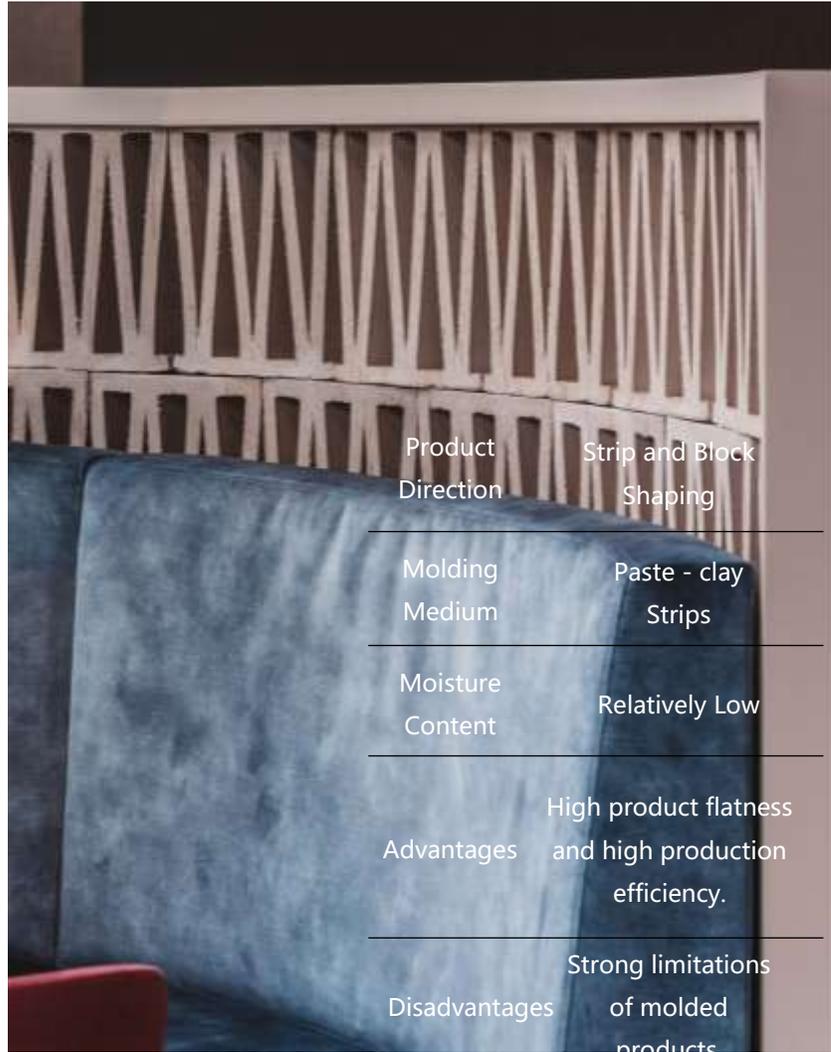
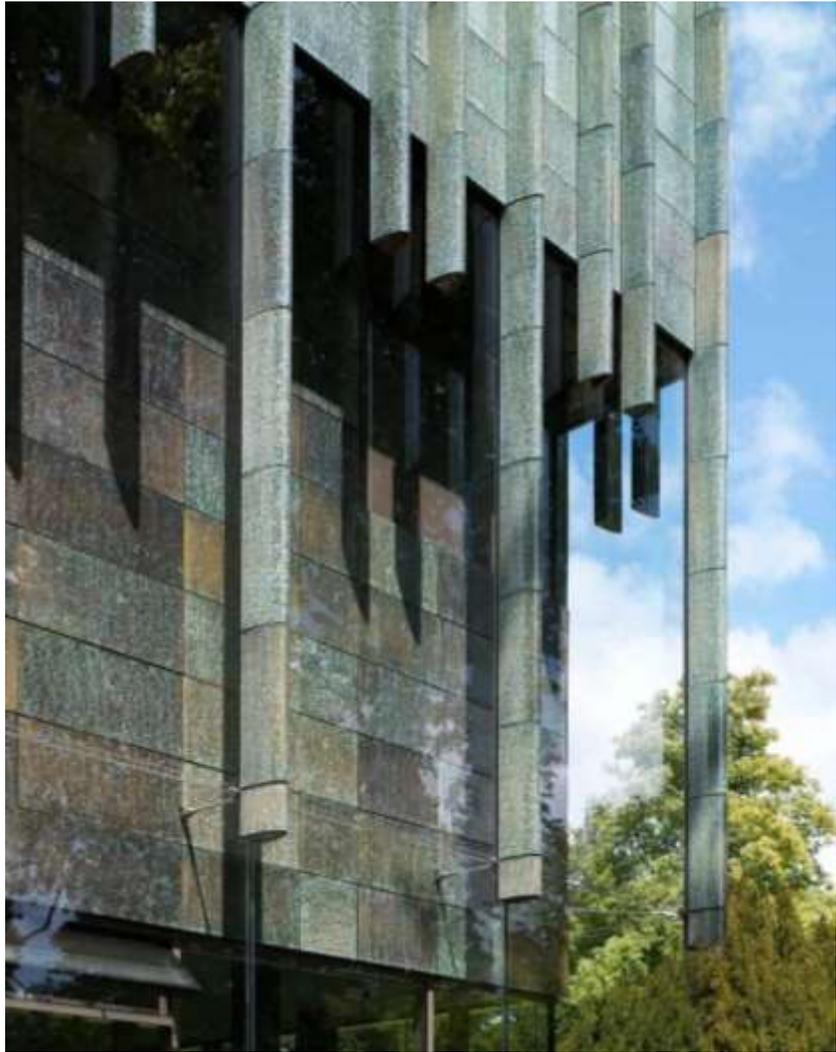
Dry Pressing

Wet Pressing



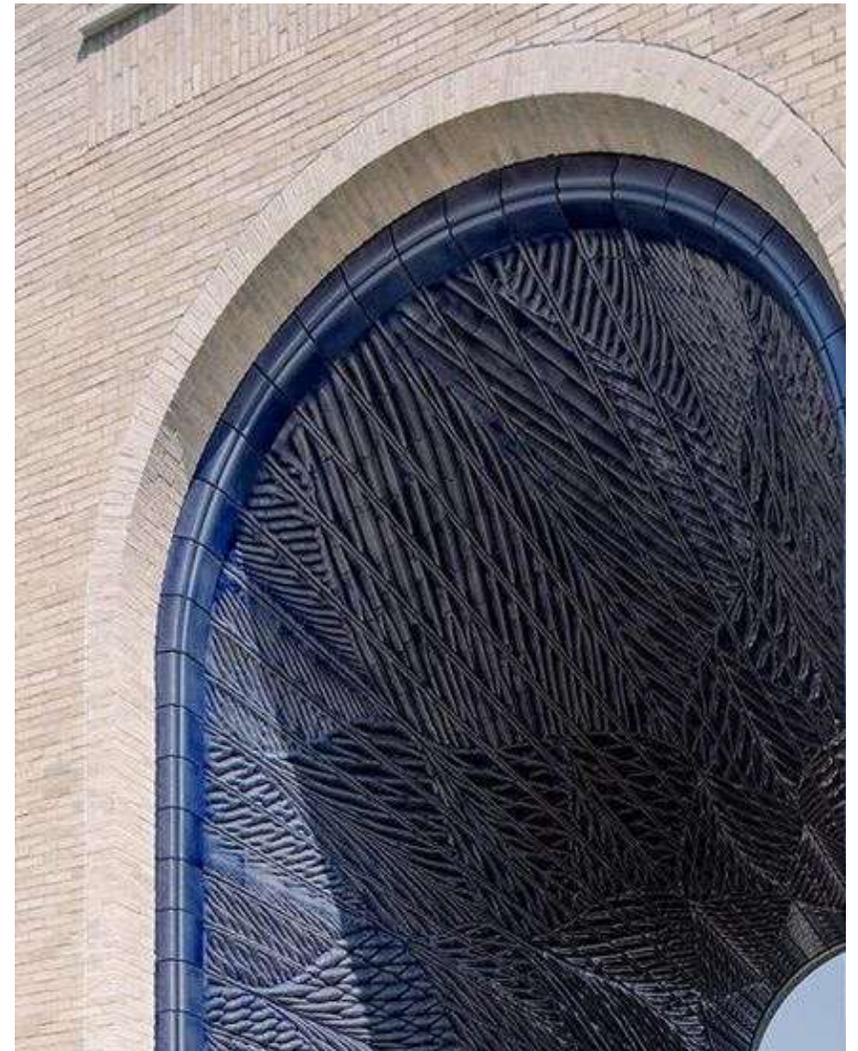
Product Direction	Planarization (Heavy Relief)
Molding Medium	Clay Strips
Moisture Content	Moderate
Advantages	Good expression of handmade texture, large planar dimension, strong pressure & frost resistance of products.
Disadvantages	Low efficiency with single equipment, moderate dimensional precision.





Extrusion

3D Printing





Glaze is a colorless or colored vitreous thin layer covering the surface of ceramic products. It is made by mixing mineral raw materials (such as feldspar, quartz, talc, kaolin, etc.) with water in a certain proportion, grinding them to form a glaze slurry, applying the glaze slurry to the surface of the body, and fired at a certain temperature to achieve vitrification.

From the clay body to the finished porcelain, the material undergoes a qualitative transformation in form after high-temperature firing. The surface glaze layer not only beautifies the object but also enhances the mechanical strength, thermal stability, and dielectric strength of the finished product. It also possesses many characteristics such as corrosion resistance, high temperature resistance, radiation resistance, and easy maintenance, making it widely applicable to indoor and outdoor decoration of architectural spaces.

Glaze forms different brightness
due to different vitrification.



High - gloss Glaze



Matte Glaze



Soft - gloss Glaze



Glossless Glaze

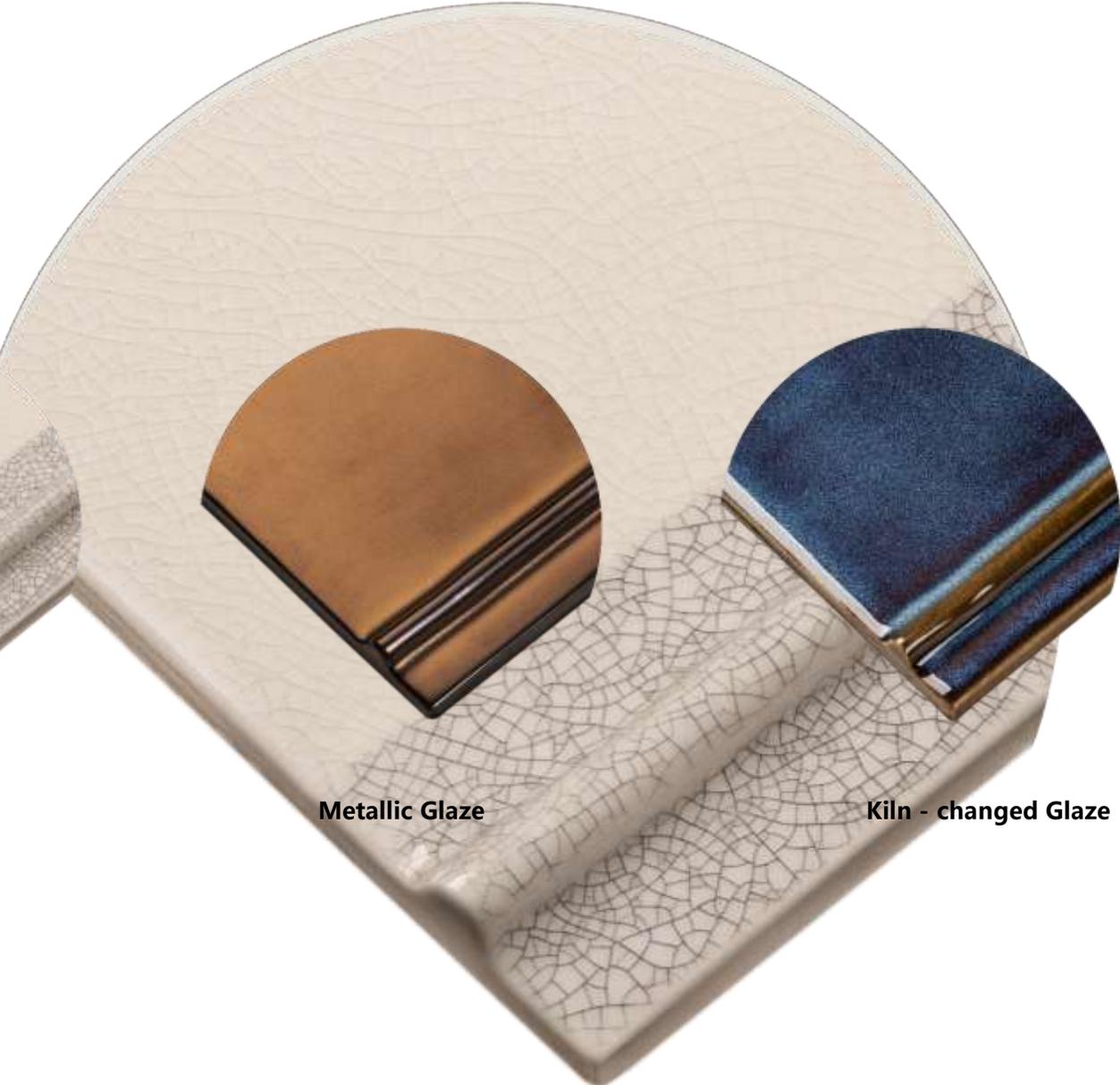
**Commonly used
characteristic glazes:**



**Grey Glaze
(Transparent Glaze)**



**Ice Crackle Glaze
(Crackle Glaze)**



Metallic Glaze

Kiln - changed Glaze



Glaze exhibits fluidity at high temperatures, and this characteristic allows the same type of glaze to produce different effects on different body structures.

Evolution from "Green Body" to "Porcelain":



Rough Green Body

Refined Green Body

Biscuit-Fired Body

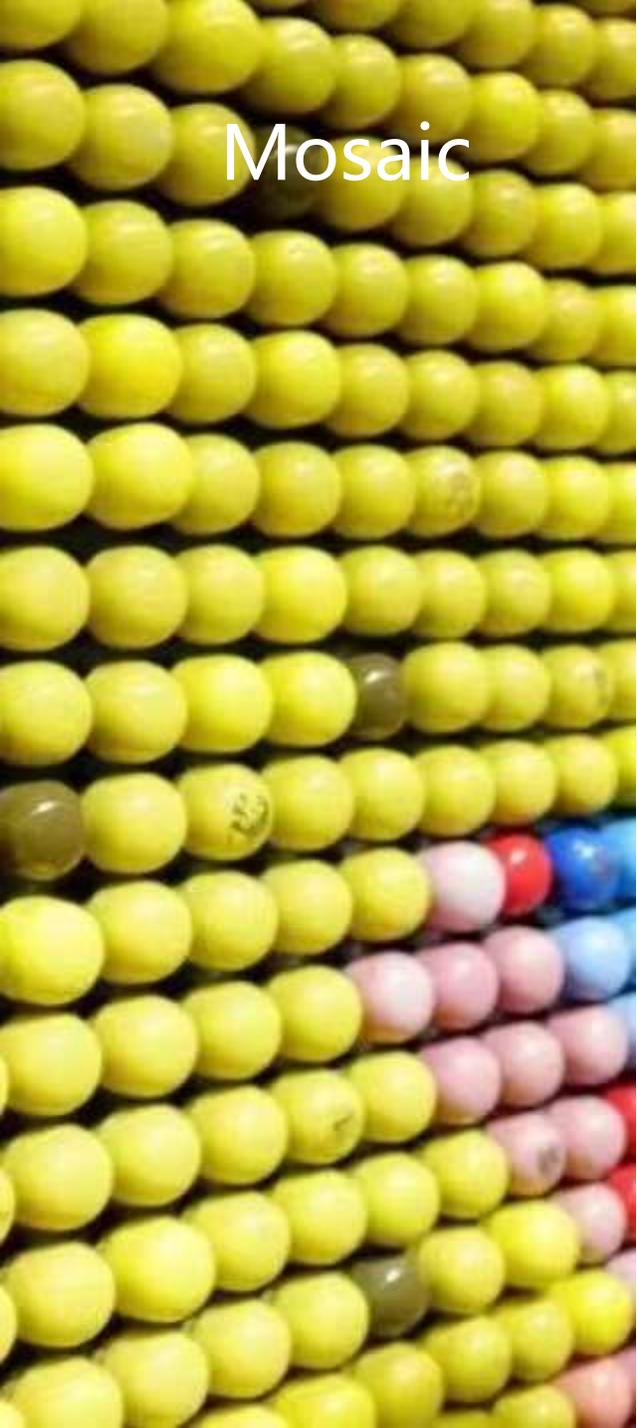
Glazed Green Body

Finished Porcelain

Colored Glaze



Mosaic



Underglaze



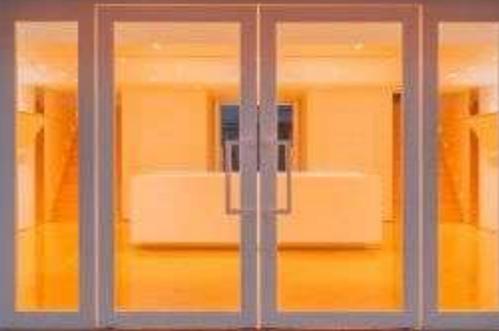
Overglaze

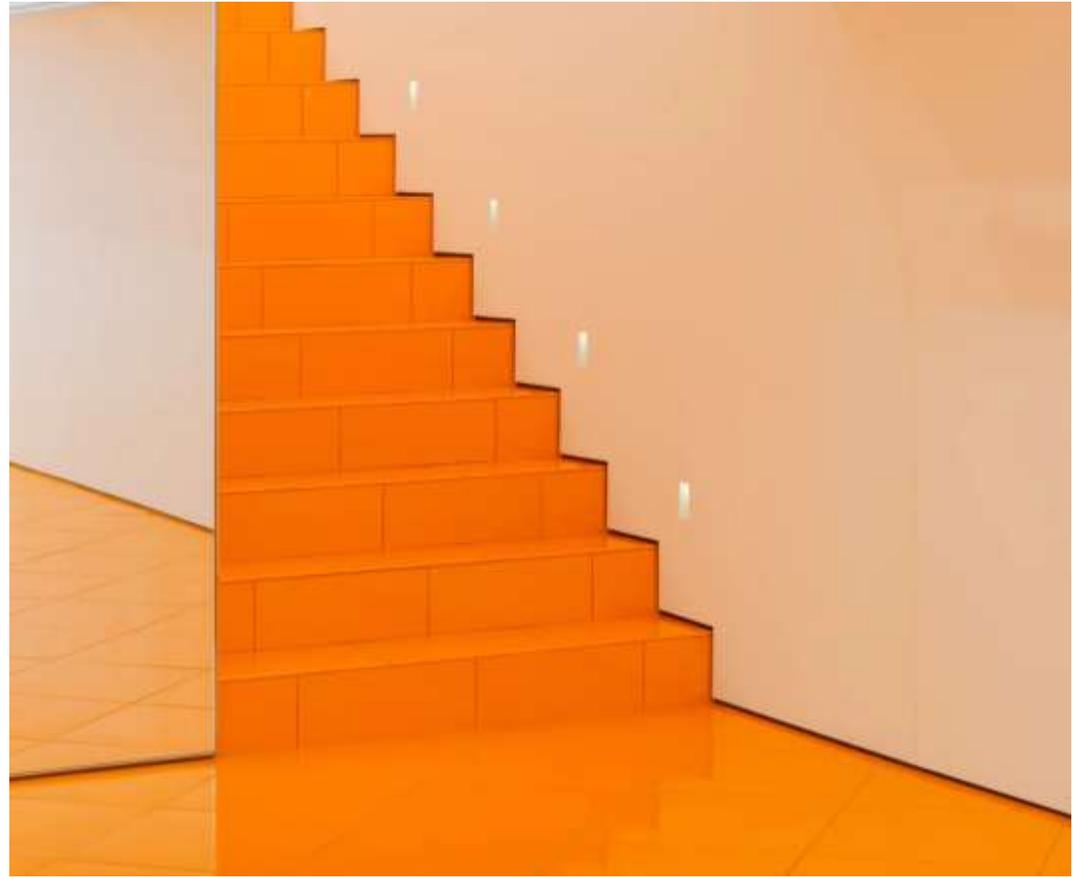


Colored Glaze

nice rice

nice rice





• Nice Rice, Anaya Caper Town Concept Store, Qinhuangdao, Hebei



• Nice Rice, Anaya Caper Town Concept Store, Qinhuangdao, Hebei

Mosaic



•Shenzhen Metro Art Museum (Wenjin Station on Line 9), Shenzhen, Guangdong



•Shenzhen Metro Art Museum (Wenjin Station on Line 9), Shenzhen, Guangdong

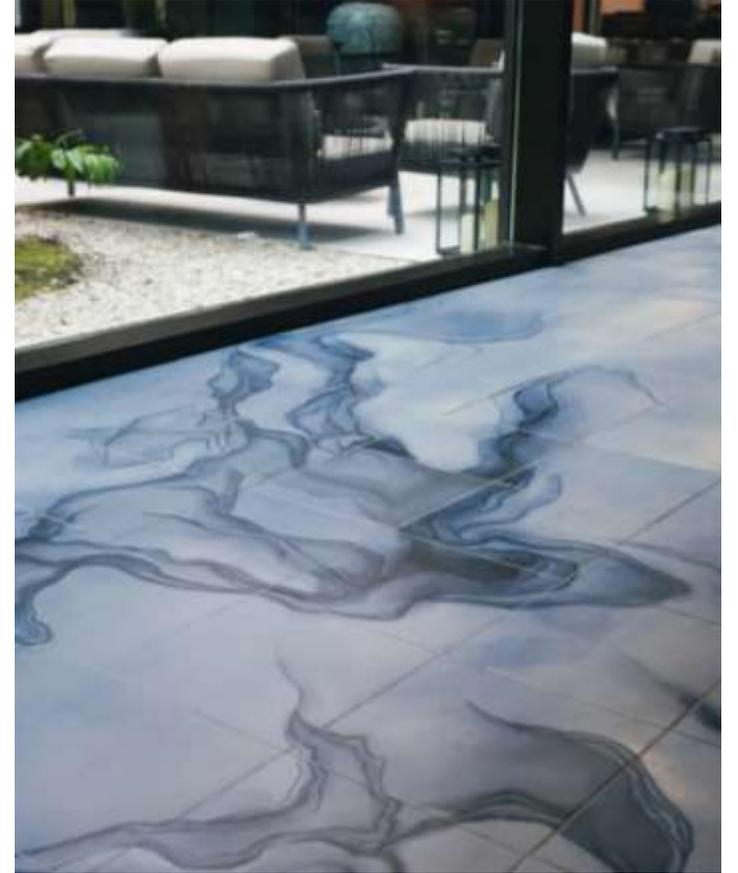




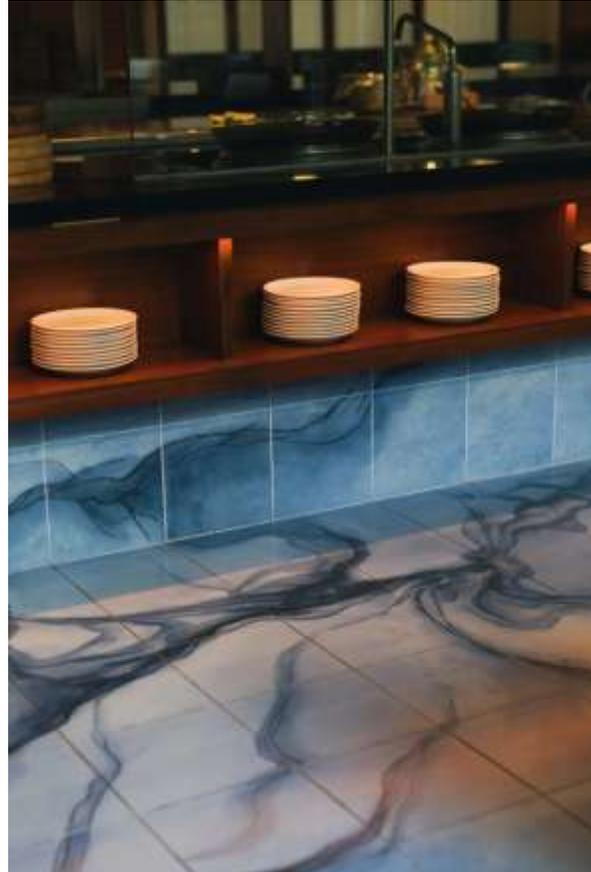
•Shenzhen Metro Art Museum (Wenjin Station on Line 9), Shenzhen, Guangdong



Underglaze



• Jingdezhen Taoxichuan Hyatt Regency Hotel, Jingdezhen, Jiangxi



• Jingdezhen Taoxichuan Hyatt Regency Hotel, Jingdezhen, Jiangxi

Overglaze

•Jing·Yichuan (Donghongqiao Central Store) Hongqiao-Shanghai





• Jing-Yichuan (Donghongqiao Central Store) Hongqiao-Shanghai

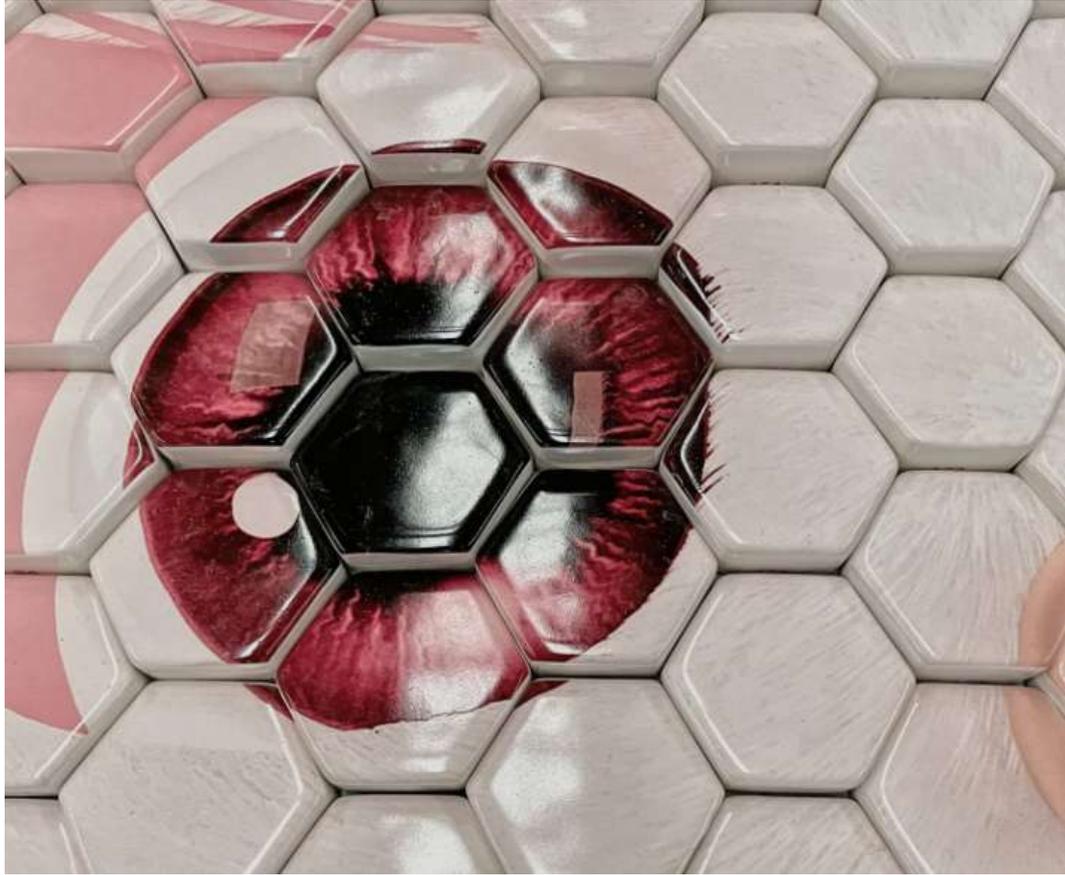


• Jing-Yichuan (Donghongqiao Central Store) Hongqiao-Shanghai

CC·东方信物



•CC Kame Jewelry(series chain store)



•CC Kame Jewelry(series chain store)





SDCC ART CERAMIC MATERIALS

SELECTED

CASES

SDCC Art Ceramic Materials continues to expand the boundaries of ceramic material space application scenarios. Currently, it has formed four major product systems: Artistic Handmade Tile, Artistic Feature Wall, Linglong Brick, and Artistic Curtain Wall Component.

A close-up photograph of a wall covered in red, square, handmade ceramic tiles. The tiles are arranged in a grid pattern, with some tiles having a slightly different shade or texture, creating a rich, textured appearance.

Artistic Handmade Tile

A photograph of a modern interior space featuring a large, curved wall covered in blue and white geometric tiles. The tiles are arranged in a pattern that creates a sense of depth and movement. A white lounge chair with a blue throw and a white cushion is positioned in front of the wall, and its reflection is visible on the polished floor.

Artistic Feature Wall

A photograph of a building facade featuring a large, curved wall covered in a grid of small, square, perforated bricks. The bricks are arranged in a pattern that creates a sense of depth and movement. The sun is shining through the perforations, creating a warm, golden glow. The building is surrounded by greenery.

LingLong Brick

A close-up photograph of a wall covered in blue, rectangular, artistic curtain wall components. The components are arranged in a grid pattern, with some components having a slightly different shade or texture, creating a rich, textured appearance.

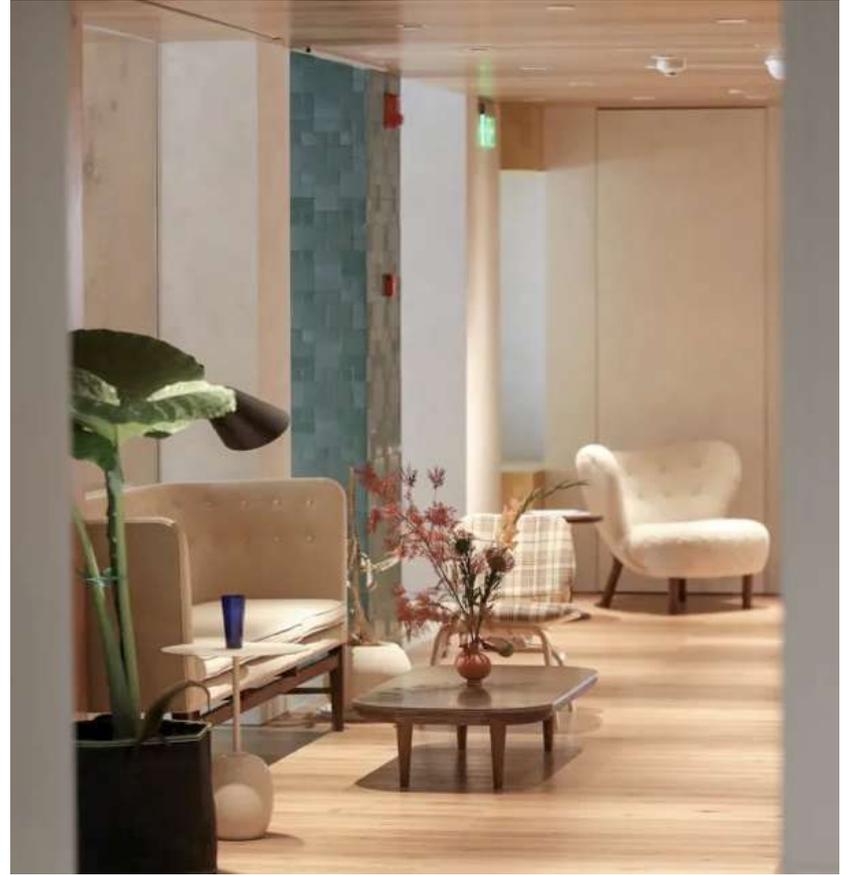
Artistic Curtain Wall Component



• Cabana (Anfu Road Central Store) Xuhui, Shanghai



• Cabana (Anfu Road Central Store) Xuhui, Shanghai



• Cabana (Anfu Road Central Store) Xuhui, Shanghai



• Cabana (Anfu Road Central Store) Xuhui, Shanghai



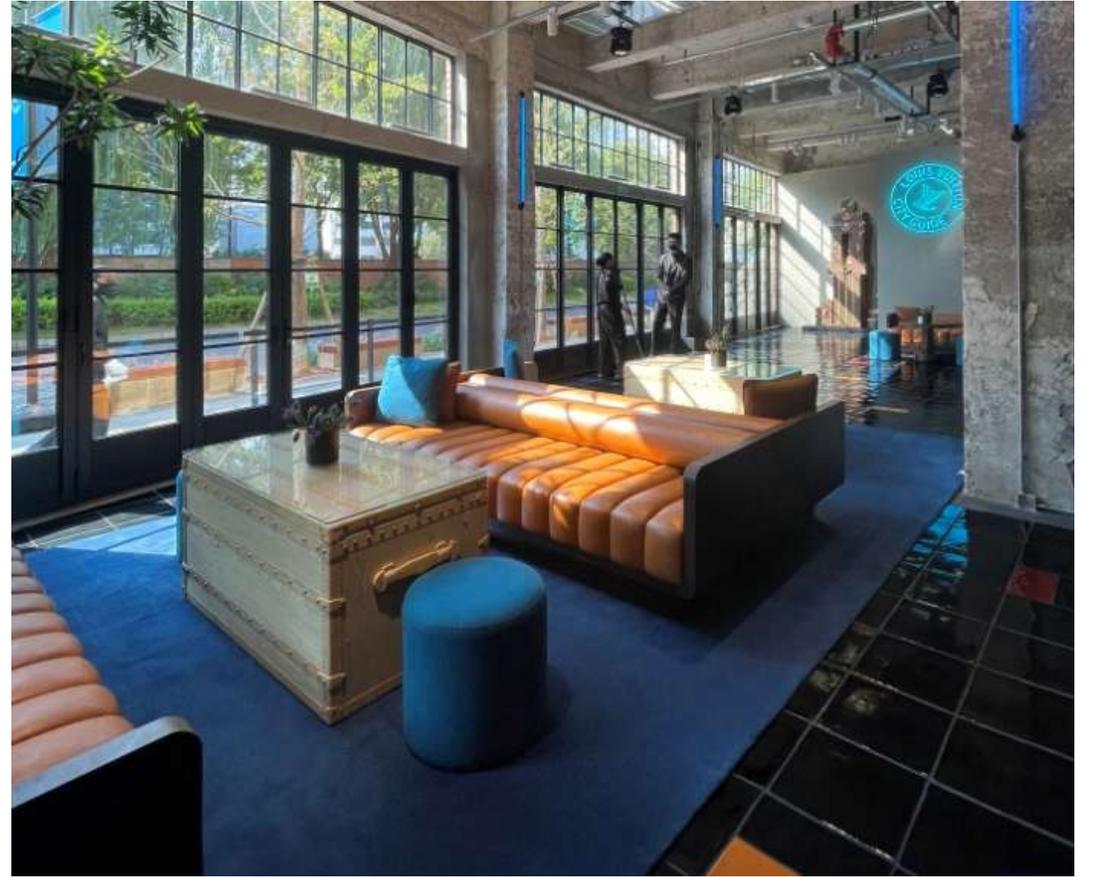
Fotografiska

ografiska
艺术中心

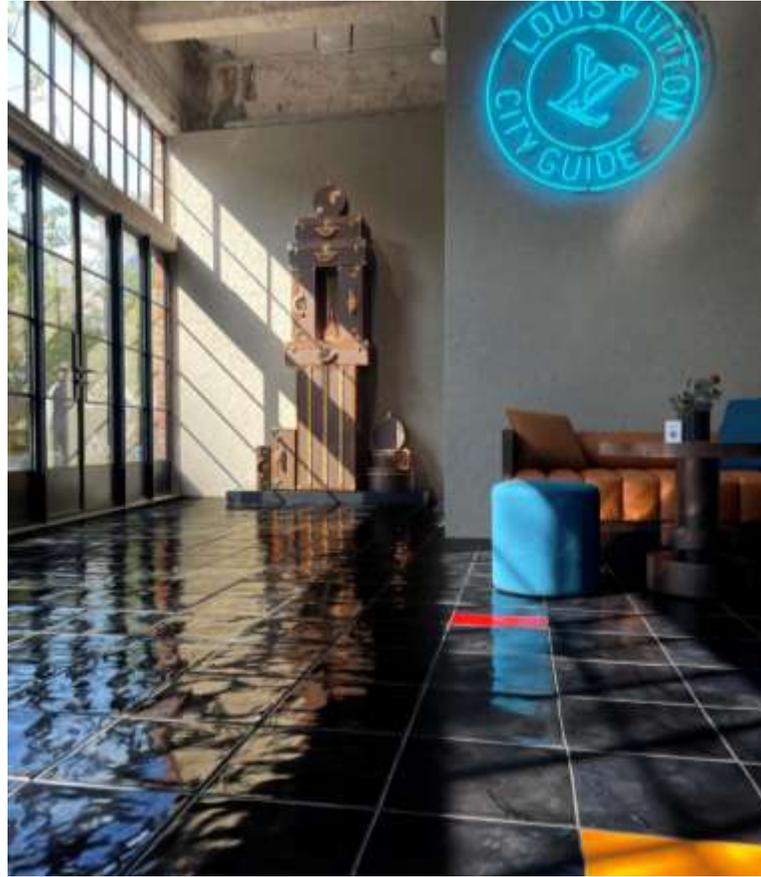


Fotografiska

•Fotografiska Image Art Center, Jing'an, Shanghai



•Fotografiska Image Art Center,Jing'an, Shanghai



•Fotografiska Image Art Center,Jing'an, Shanghai



• Arakhangbalasa Manor, Lhasa, Tibet



• Arakhangbalasa Manor, Lhasa, Tibet





• Arakhangbalasa Manor, Lhasa, Tibet



落霞與孤鶩齊飛
秋水共長天一色

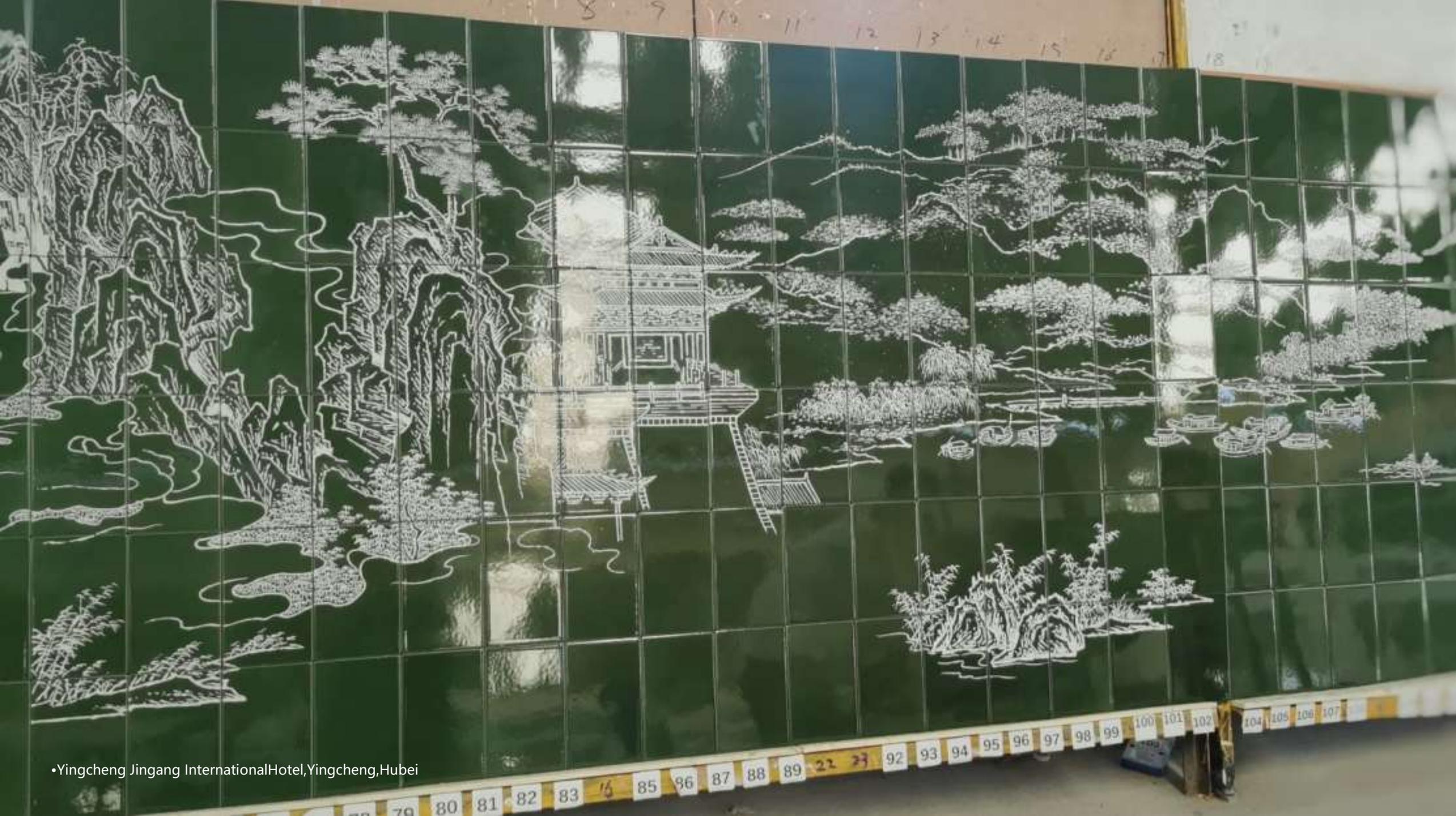
RECEPTION 接待



招商銀行
CHINA MERCHANTS BANK

Private Banking
私人銀行

•China Merchants Bank (Nanchang) Private Bank,Nanchang,Jiangxi



•Yingcheng Jingang International Hotel, Yingcheng, Hubei



•Wenshan Yalong-Xingcheng Exhibition Hall,Wenshan,Yunnan



Hyatt Regency Shanghai Songjiang, Songjiang, Shanghai



•Hyatt Regency Shanghai Songjiang, Songjiang, Shanghai



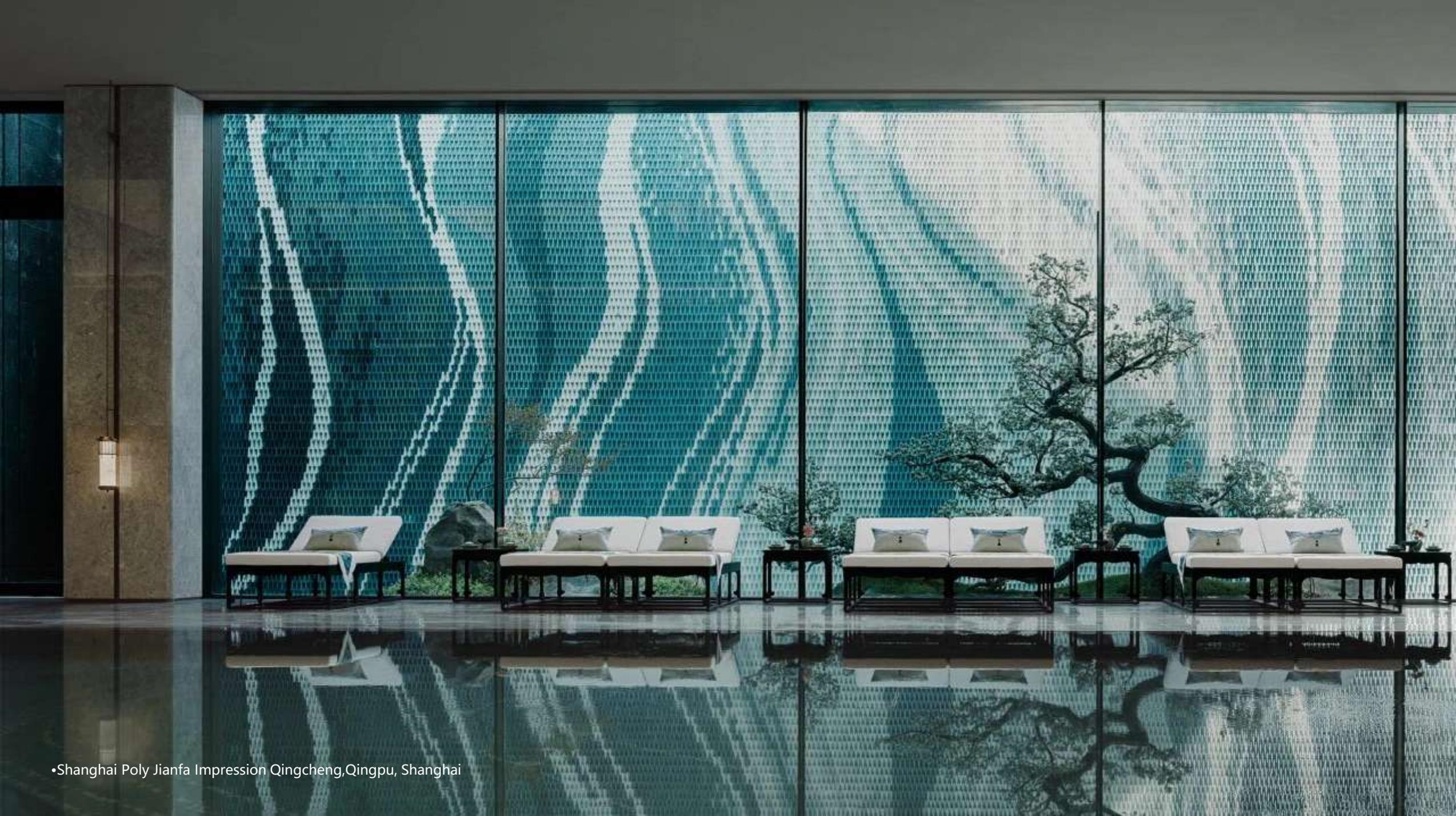
•Hyatt Regency Shanghai Songjiang, Songjiang, Shanghai



•Linhai Xinjuntai Hotel, Taizhou,Zhejiang



•Linhai Xinjuntai Hotel, Taizhou,Zhejiang



•Shanghai Poly Jianfa Impression Qingcheng, Qingpu, Shanghai



•Shanghai Poly Jianfa Impression Qingcheng,Qingpu, Shanghai



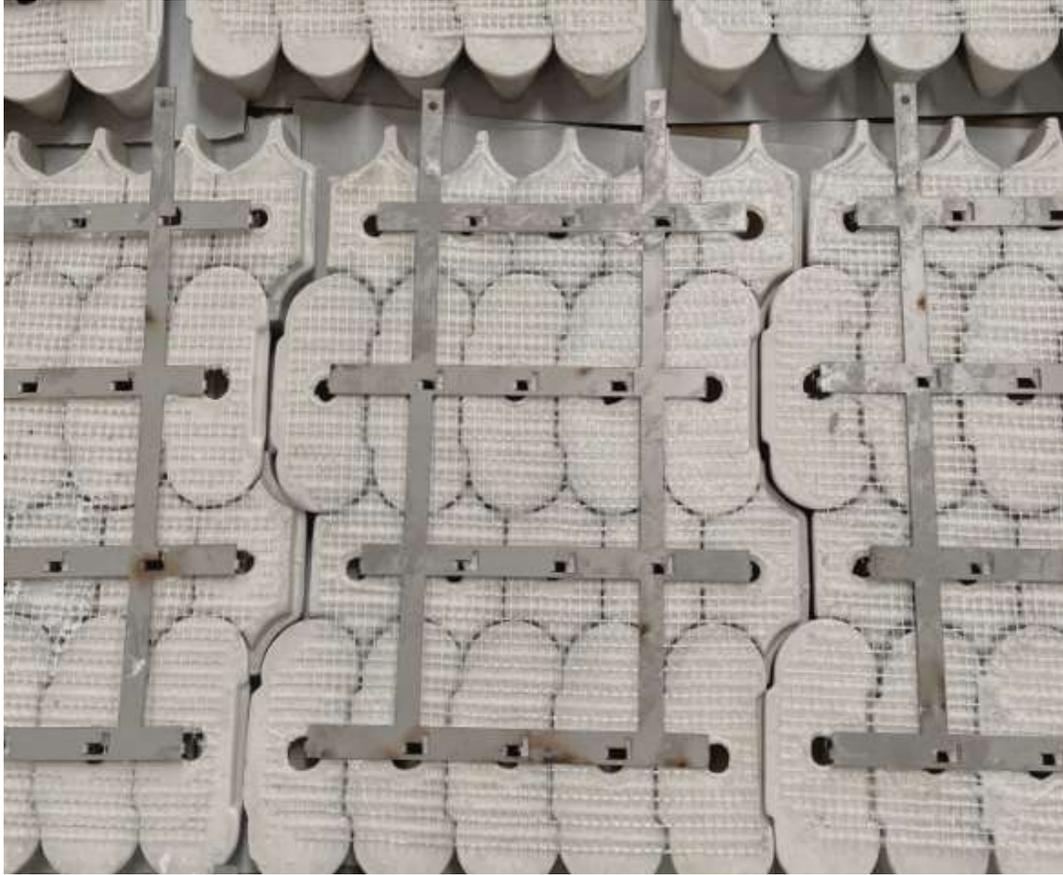
•Shanghai Poly Jianfa Impression Qingcheng,Qingpu, Shanghai



•Shenzhen Traditional Chinese Medicine Hospital Guangming Branch, Shenzhen, Guangdong



•Shenzhen Traditional Chinese Medicine Hospital Guangming Branch, Shenzhen, Guangdong



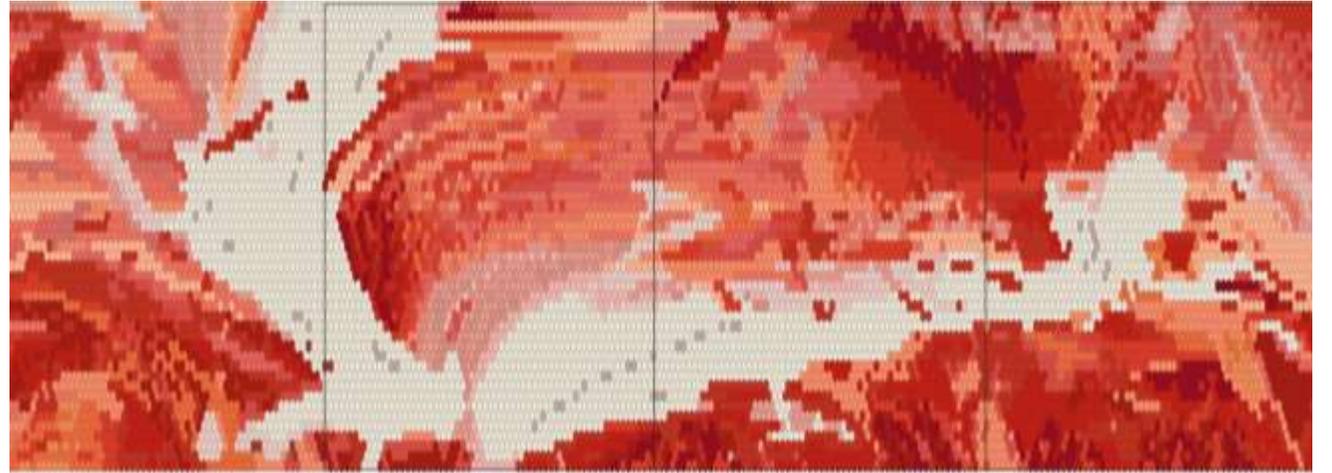
•Shenzhen Traditional Chinese Medicine Hospital Guangming Branch, Shenzhen, Guangdong



•St.Regis Shanghai Jing'an, Jing'an, Shanghai



•St.Regis Shanghai Jing'an,Jing'an, Shanghai



•St.Regis Shanghai Jing'an,Jing'an, Shanghai





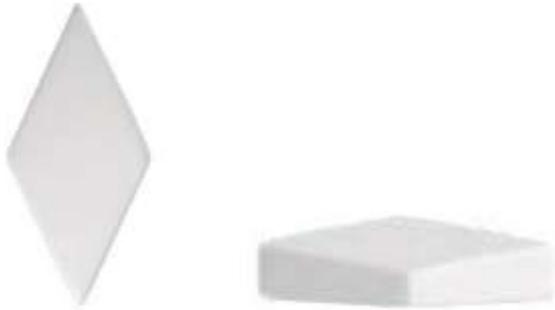
•Interstellar Series—Sloped Hexagon



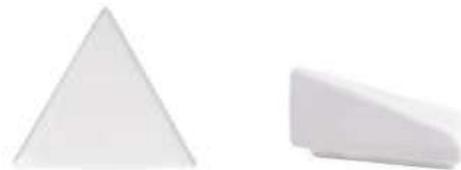
•Interstellar Series—Sloped Circle



•Interstellar Series—Sloped Square



•Interstellar Series—Sloped Rhombus



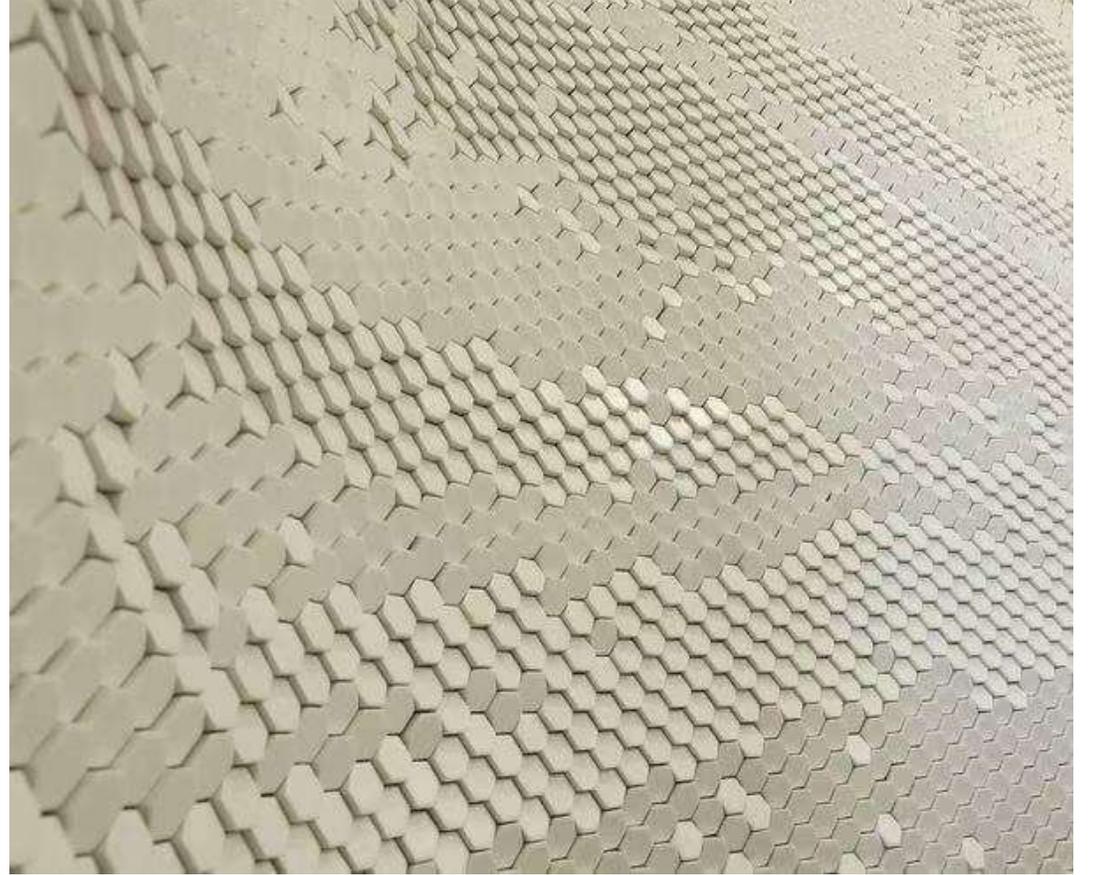
•Interstellar Series—Sloped Triangle



•Interstellar Series—Fin



•Singapore Changi Airport Departure Lounge, Singapore



•Singapore Changi Airport Departure Lounge, Singapore





• Clarion Hotel, Oslo, Norway

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•Guangzhou Baiyun International Convention Center Phase II, Guangzhou, Guangdong



•Guangzhou Baiyun International Convention Center Phase II, Guangzhou, Guangdong



•Yinjing Art Restaurant (Huadu Yaluo City Branch), Guangzhou, Guangdong



•Yinjing Art Restaurant (Huadu Yaluo City Branch), Guangzhou, Guangdong

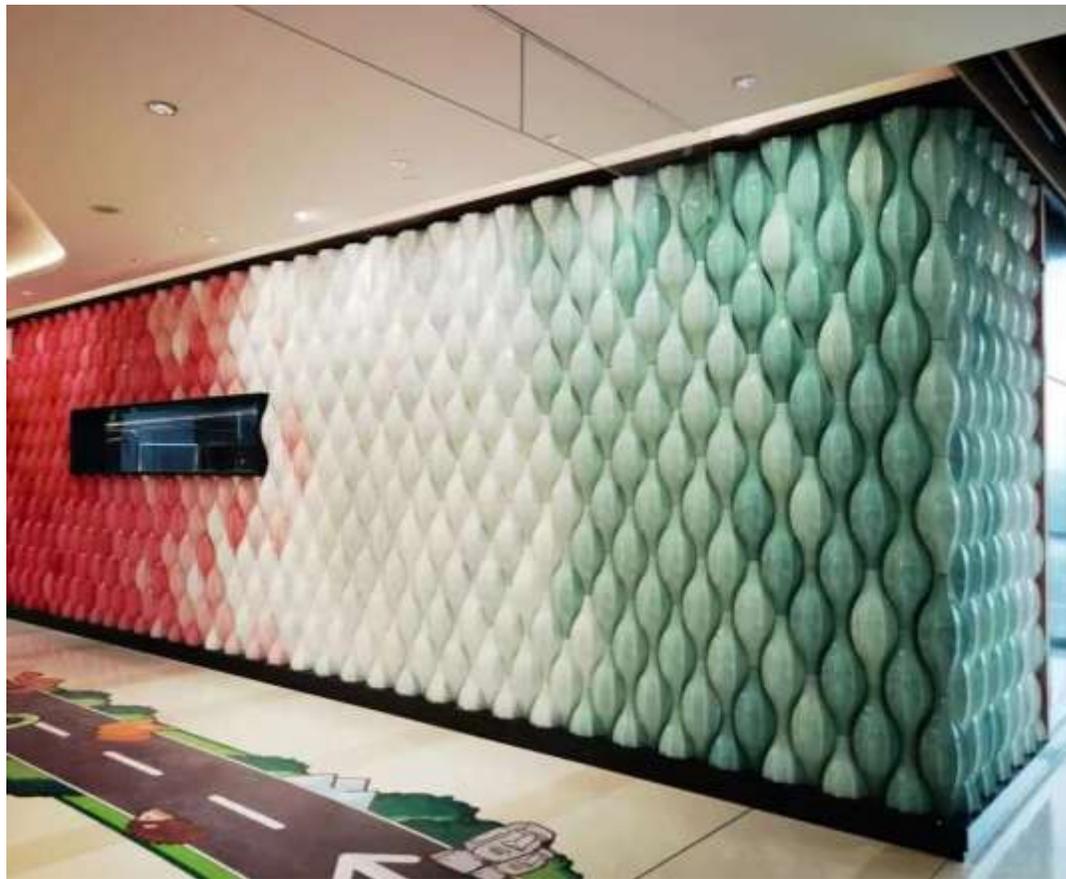


•Jing Linglong (Senlan Garden City Store), Pudong, Shanghai



•Jing Linglong (Senlan Garden City Store), Pudong, Shanghai





•Jing Linglong (Senlan Garden City Store), Pudong, Shanghai



• Jiaxing Nanshan Original Art Gallery, Ganzhou, Jiangxi

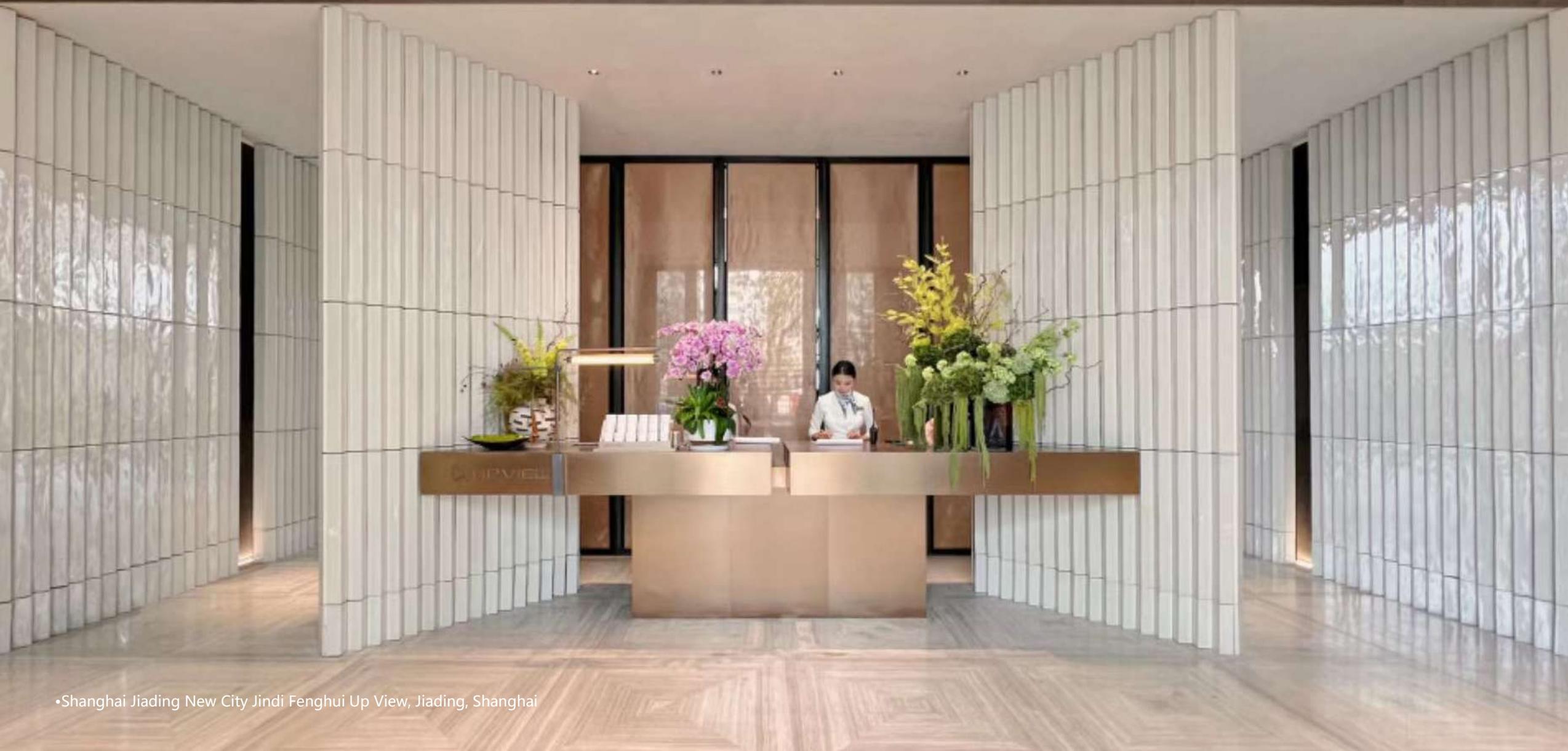


• Jiaxing Nanshan Original Art Gallery, Ganzhou, Jiangxi

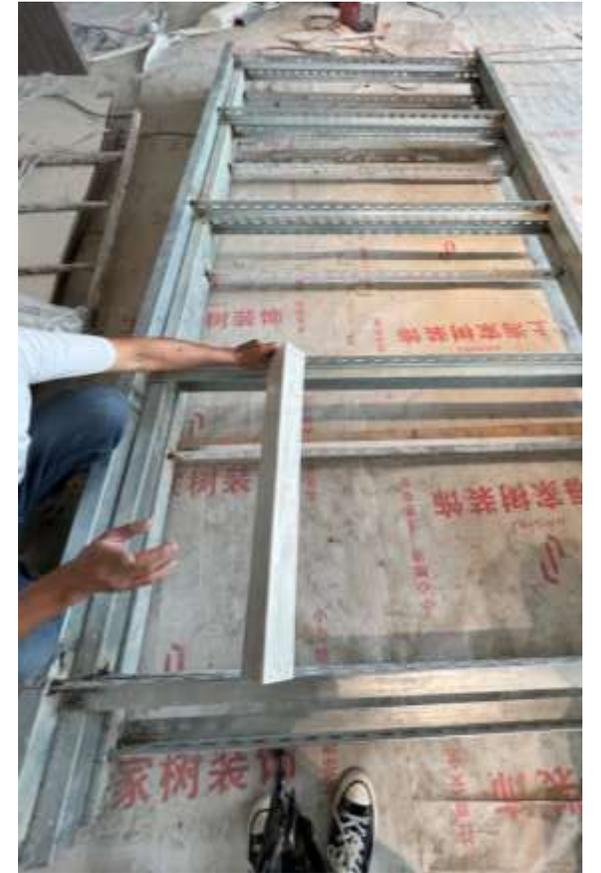




• Jiaxing Nanshan Original Art Gallery, Ganzhou, Jiangxi



•Shanghai Jiading New City Jindi Fenghui Up View, Jiading, Shanghai



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•Shanghai Jiading New City Jindi Fenghui Up View, Jiading, Shanghai

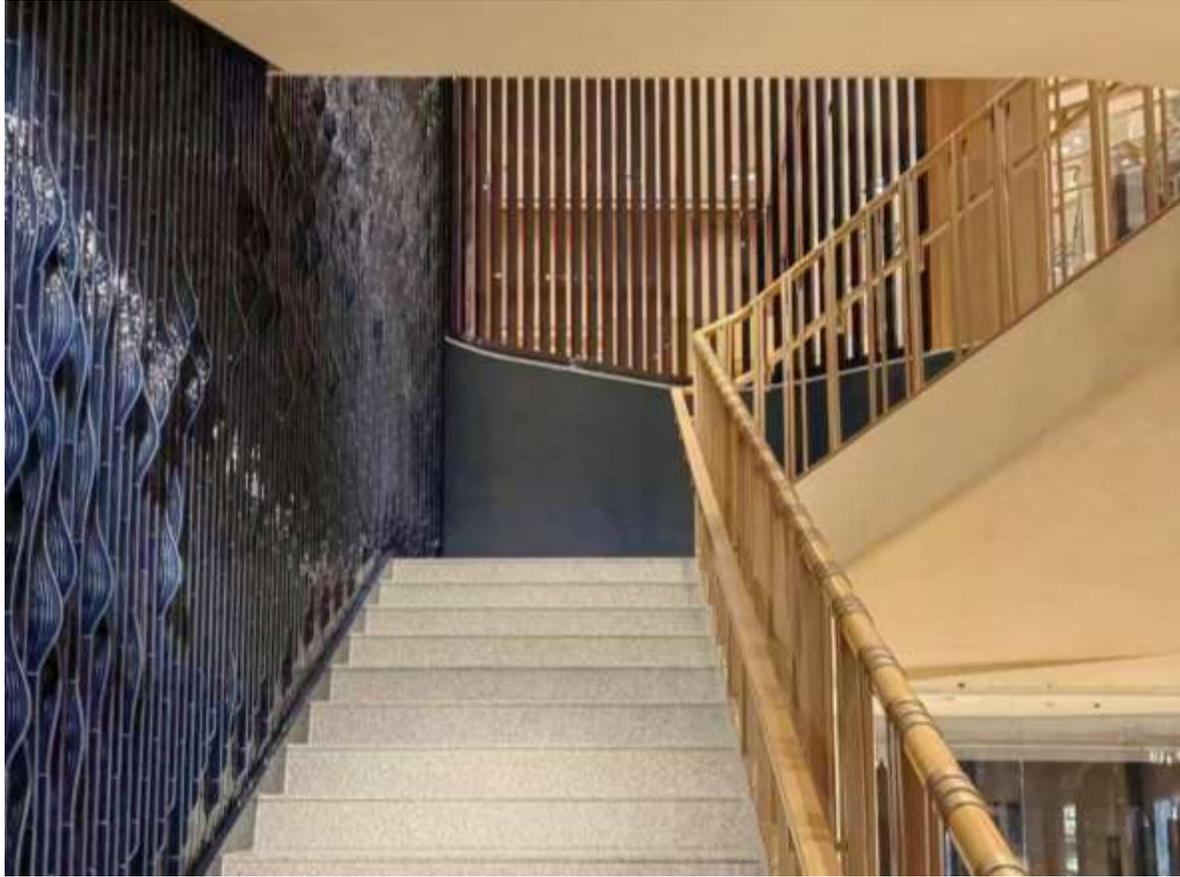
HERMÈS



•Hermes Wuxi Henglong Plaza Store,Wuxi,Jiangsu



•Hermes Wuxi Henglong Plaza Store,Wuxi,Jiangsu



•Hermes Wuxi Henglong Plaza Store,Wuxi,Jiangsu



•Guangzhou biological nature convenience store Guangzhou,Guangdong



•Guangzhou biological nature convenience store Guangzhou,Guangdong



•Guangzhou biological nature convenience store Guangzhou,Guangdong



•Happy Valley Headquarters Office Building, Shenzhen, Guangdong



•Happy Valley Headquarters Office Building, Shenzhen, Guangdong



•Happy Valley Headquarters Office Building, Shenzhen, Guangdong



•M-cafe, Wuhan Optical Valley, Wuhan, Hubei



•M-cafe,Wuhan Optical Valley,Wuhan,Hubei



•Taoxichuan Chenglei Coffee, Jingdezhen, Jiangxi



•Taoxichuan Chenglei Coffee, Jingdezhen, Jiangxi



•Huifeng Tianjun Sales Center, Kaiping, Guangdong



• 汇峰天峻销售中心 广东开平

• Huifeng Tianjun Sales Center, Kaiping, Guangdong

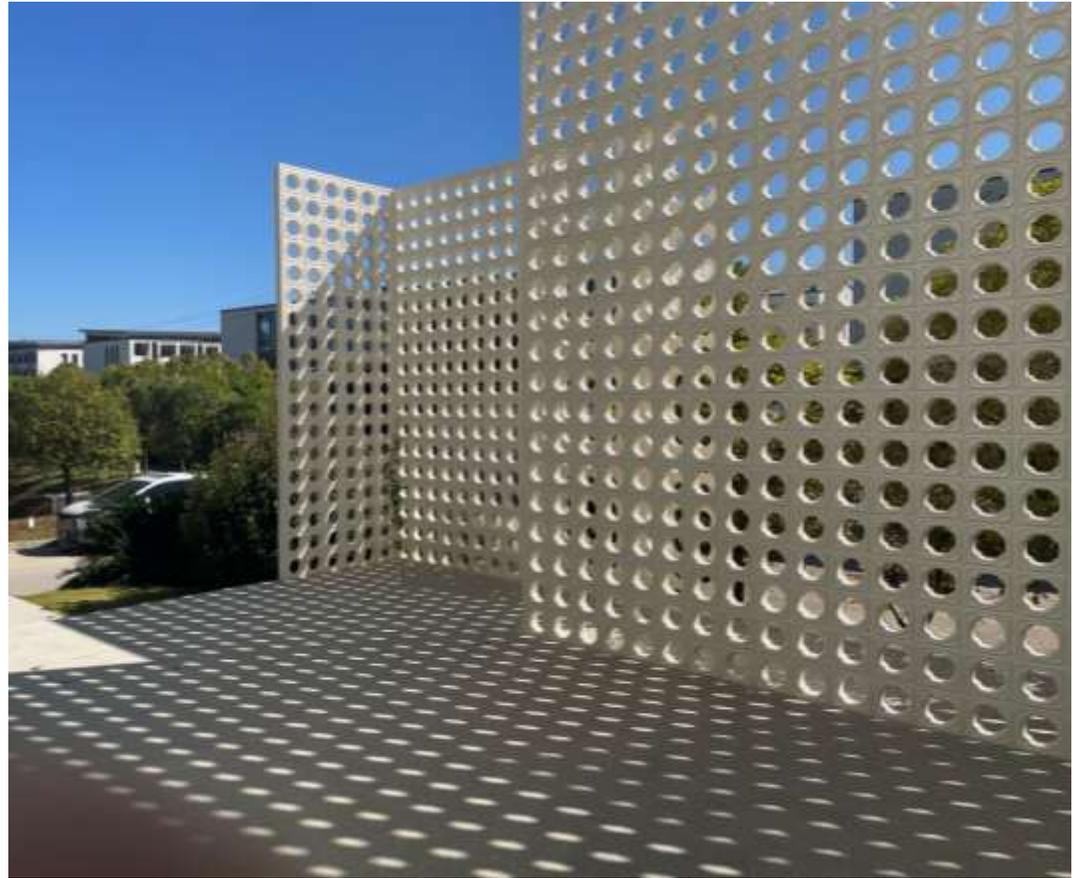




•Exhibition Hall of SDAC Art Porcelain Material Factory, Jingdezhen, Jiangxi



•Exhibition Hall of SDAC Art Porcelain Material Factory, Jingdezhen, Jiangxi





•Exhibition Hall of SDAC Art Porcelain Material Factory, Jingdezhen, Jiangxi



•Phase II of Boyu Changzhu Apartment, Nantou Ancient City, Shenzhen, Guangdong



•Phase II of Boyu Changzhu Apartment, Nantou Ancient City, Shenzhen, Guangdong



•Phase II of Boyu Changzhu Apartment, Nantou Ancient City, Shenzhen, Guangdong



•Phase II of Boyu Changzhu Apartment, Nantou Ancient City, Shenzhen, Guangdong



•SDCC Linglong Bricks Family Photo



•PIAGET(Piaget Watch Hong Kong Canton Road Flagship Store) Kowloon,Hong Kong



•PIAGET(Piaget Watch Hong Kong Canton Road Flagship Store) Kowloon,Hong Kong



•PIAGET(Piaget Watch Hong Kong Canton Road Flagship Store) Kowloon,Hong Kong



•PIAGET(Piaget Watch Hong Kong Canton Road Flagship Store) Kowloon,Hong Kong



•MaxMara, Chengdu Yuanyang Taikoo Li Store, Chengdu, Sichuan

MaxMara GLASS



•MaxMara,Chengdu Yuanyang Taikoo Li Store, Chengdu, Sichuan



•MaxMara,Chengdu Yuanyang Taikoo Li Store, Chengdu, Sichuan



•MaxMara,Chengdu Yuanyang Taikoo Li Store, Chengdu, Sichuan



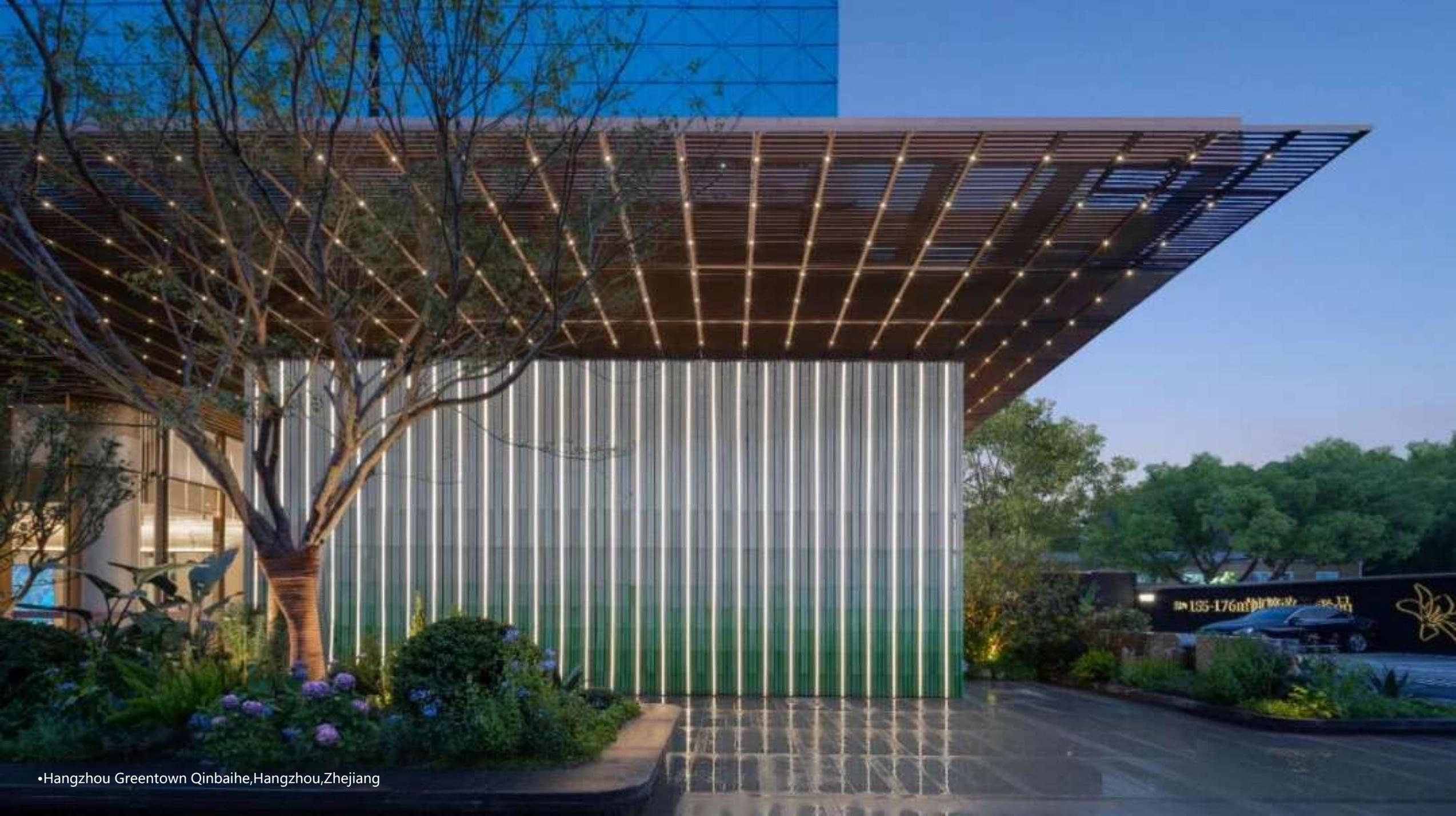
•Hefei Longhu·Yanxitai, Hefei, Anhui



•Hefei Longhu-Yanxitai, Hefei, Anhui



•Hefei Longhu-Yanxitai, Hefei, Anhui



• Hangzhou Greentown Qinbaihe, Hangzhou, Zhejiang



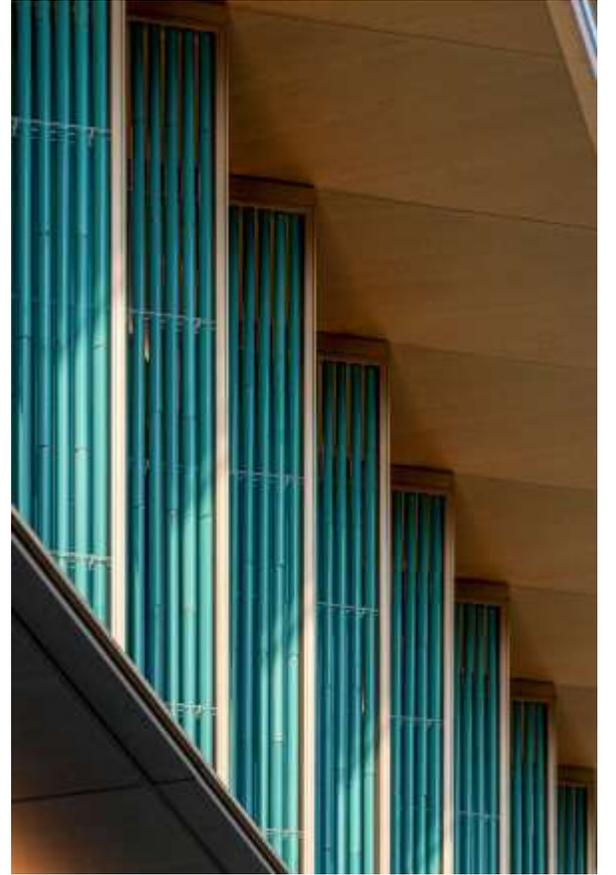
•Hangzhou Greentown Qinbaihe, Hangzhou, Zhejiang



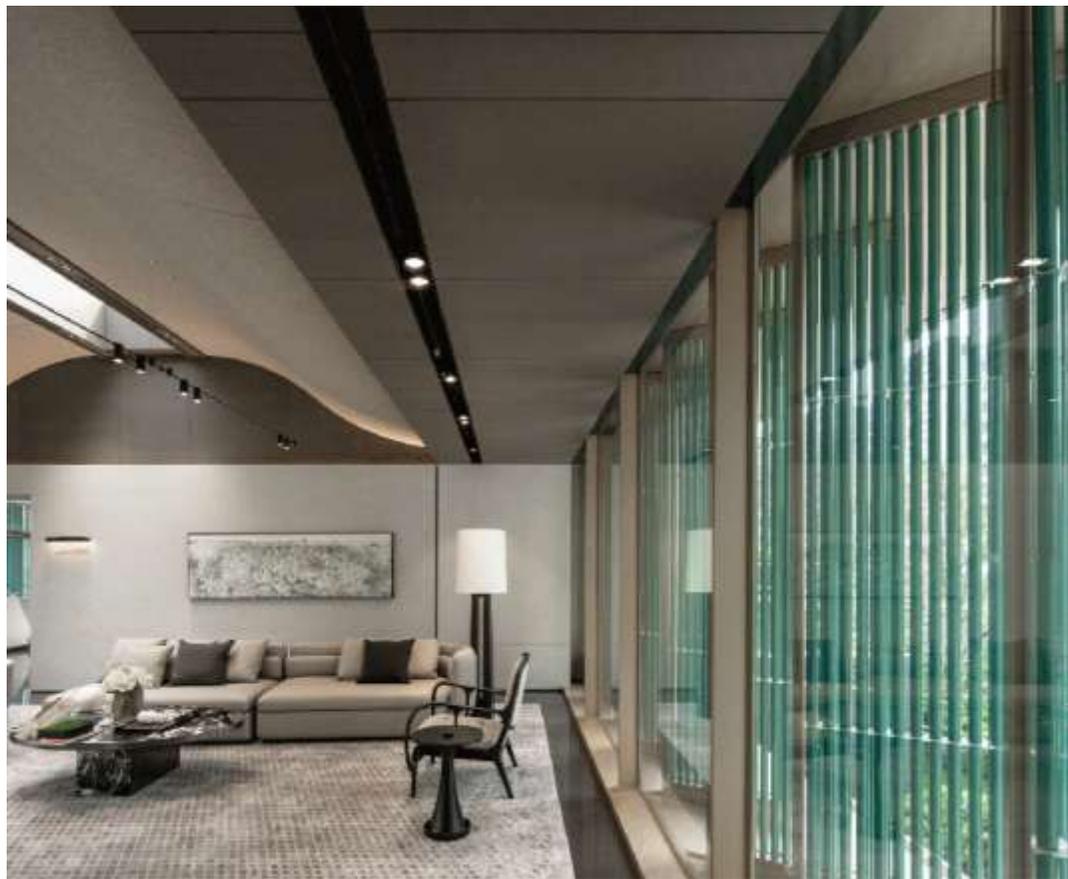
•Hangzhou Greentown Qinbaihe, Hangzhou, Zhejiang



•HangzhouZhongtian,Yueqinglan, Hangzhou, Zhejiang



• Hangzhou Zhongtian, Yueqinglan, Hangzhou, Zhejiang



•HangzhouZhongtian,Yueqinglan, Hangzhou, Zhejiang

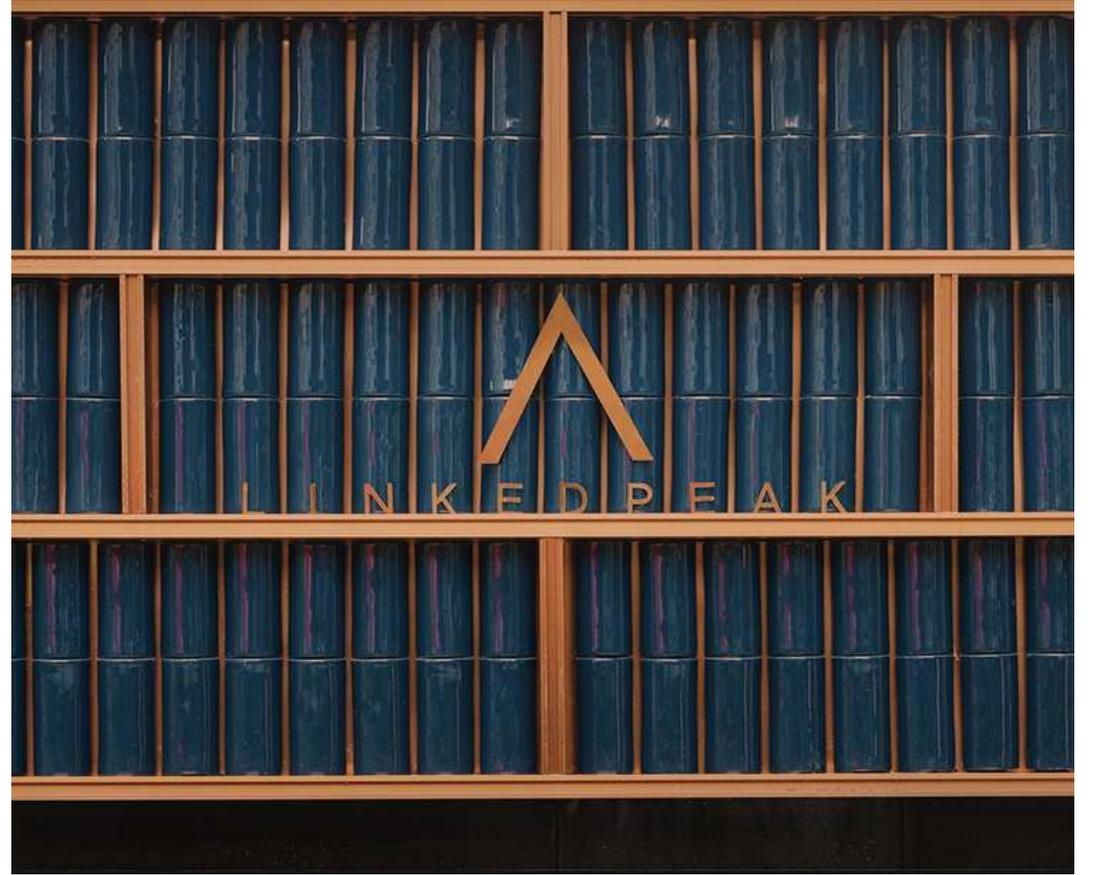


长沙领峯 | 长沙领峯
LINKED PEAK | LINKED PEAK

• Huashi Changsha Lingfeng, Changsha, Hunan



• Huashi Changsha Lingfeng, Changsha, Hunan





• Changsha Jinmao - Xiangjiang Jinmao Mansion, Changsha, Hunan



• Changsha Jinmao - Xiangjiang Jinmao Mansion, Changsha, Hunan



• Changsha Jinmao - Xiangjiang Jinmao Mansion, Changsha, Hunan



• Zhongjian-Dongshan Yuefu, Nanjing, Jiangsu



• Zhongjian-Dongshan Yuefu, Nanjing, Jiangsu



• Zhongjian-Dongshan Yuefu, Nanjing, Jiangsu

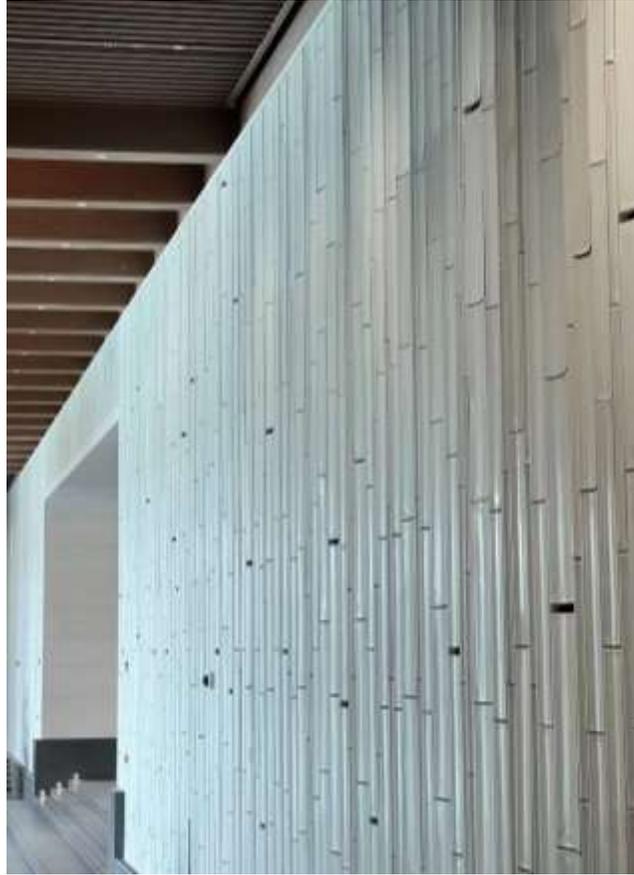




•Water Town Living Room - Square Hall and Water Garden, Jiashan, Zhejiang



•Water Town Living Room - Square Hall and Water Garden, Jiashan, Zhejiang



•Water Town Living Room - Square Hall and Water Garden, Jiashan, Zhejiang



•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



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•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang

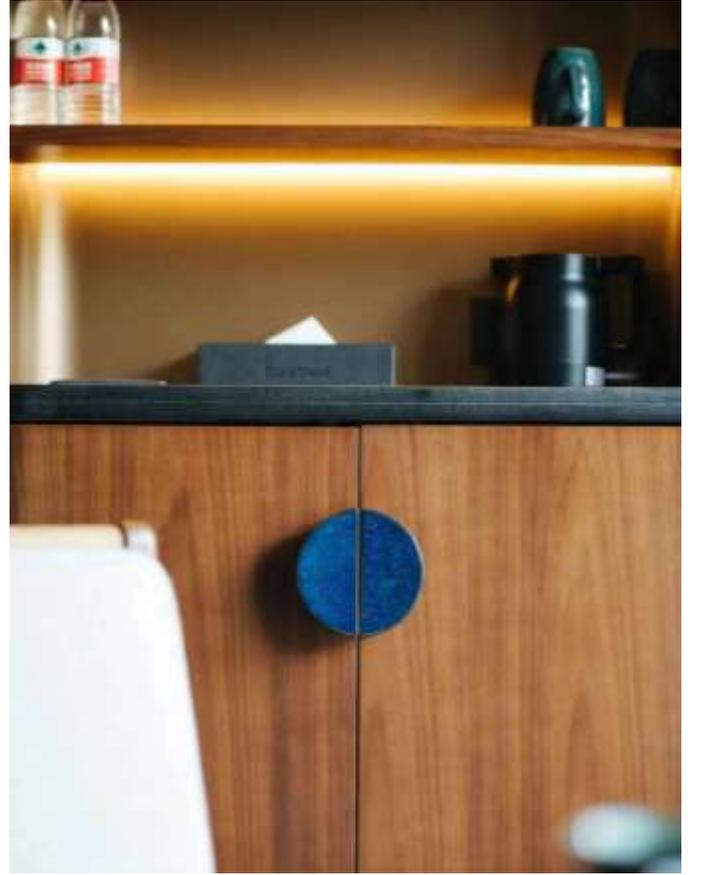


•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang





•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



•Dusit Thani Hangzhou Tianmu Mountain, Hangzhou, Zhejiang



•Foshan Times, Junlin Mansion, Foshan, Guangdong



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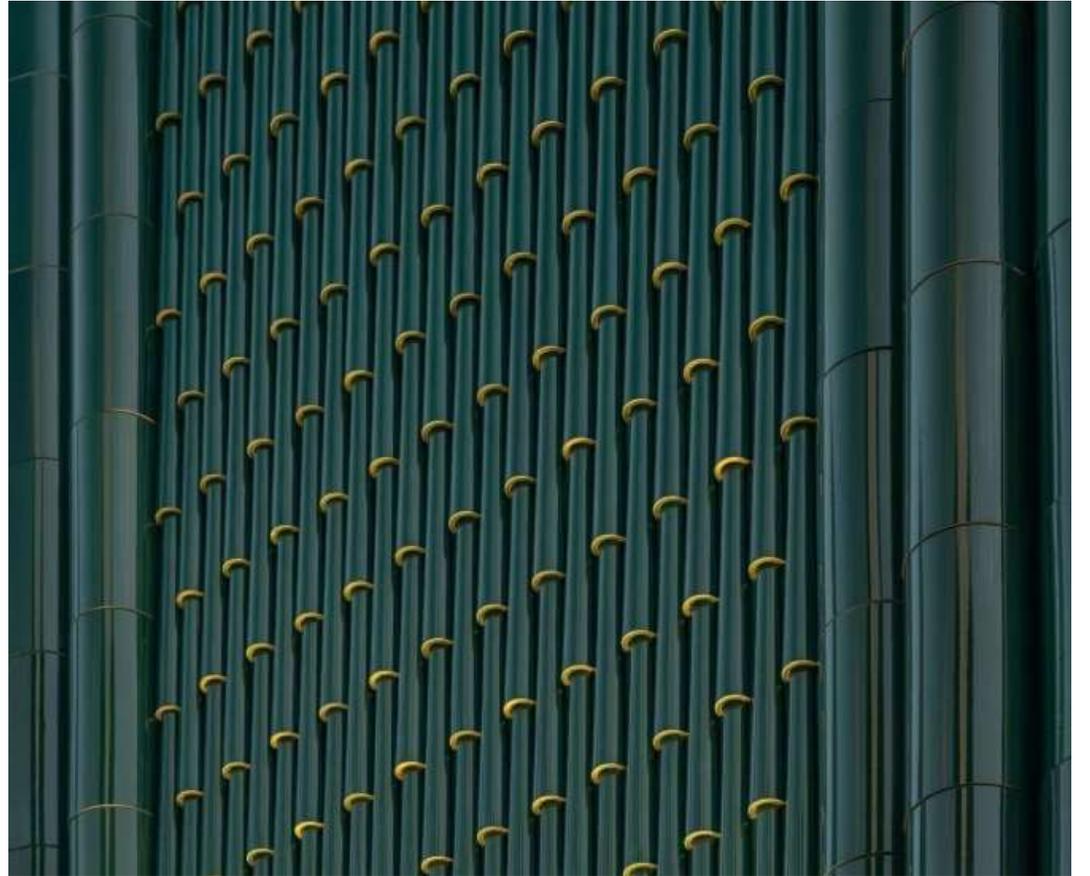


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