Flexible Stone-exterior MCM natural Tiles

Modified Clay Material

New environmentally friendly exterior wall materials

What is Flexible Stone(MCM)?

Flexible Stone,also known as Flexible Tiles or Soft Tile.

Its academic name is "Modified Inorganic Powder Composite Material (**M**odified **C**lay **M**aterial)"

Building exterior wall decoration material

产品简介
Product introduction

项目常规使用系列从质感、颜色、肌理方面进行全方位升级，细腻的图案纹理，深邃又耐人寻味。具有尺寸大、轻质、柔韧可弯曲、施工方便、成本低的优势，室内、户外均可使用。

Project Regular-use Series is fully

upgraded from texture, color and pattern. The exquisite patterns and textures are original and rough, profound and thought-provoking. It has the advantages of large size, light weight, flexible and bendable, convenient installing and low cost, and can be used interior and exterior.

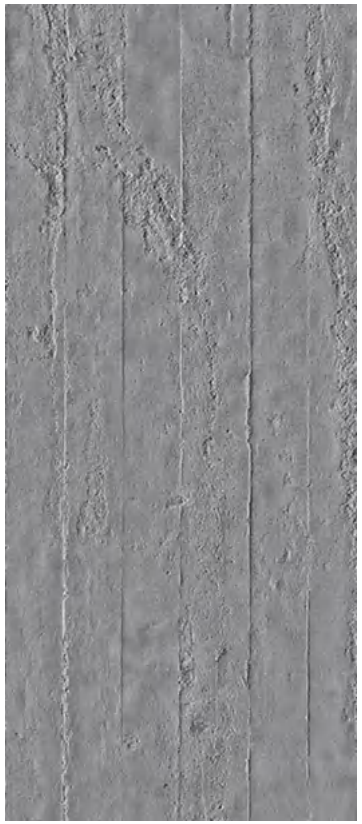
Safe and environmentally friendly

水泥浇筑板 Concrete Board

常备规格/Regular size:600*1200mm、1200*3000mm
厚度/Thickness: 4mm

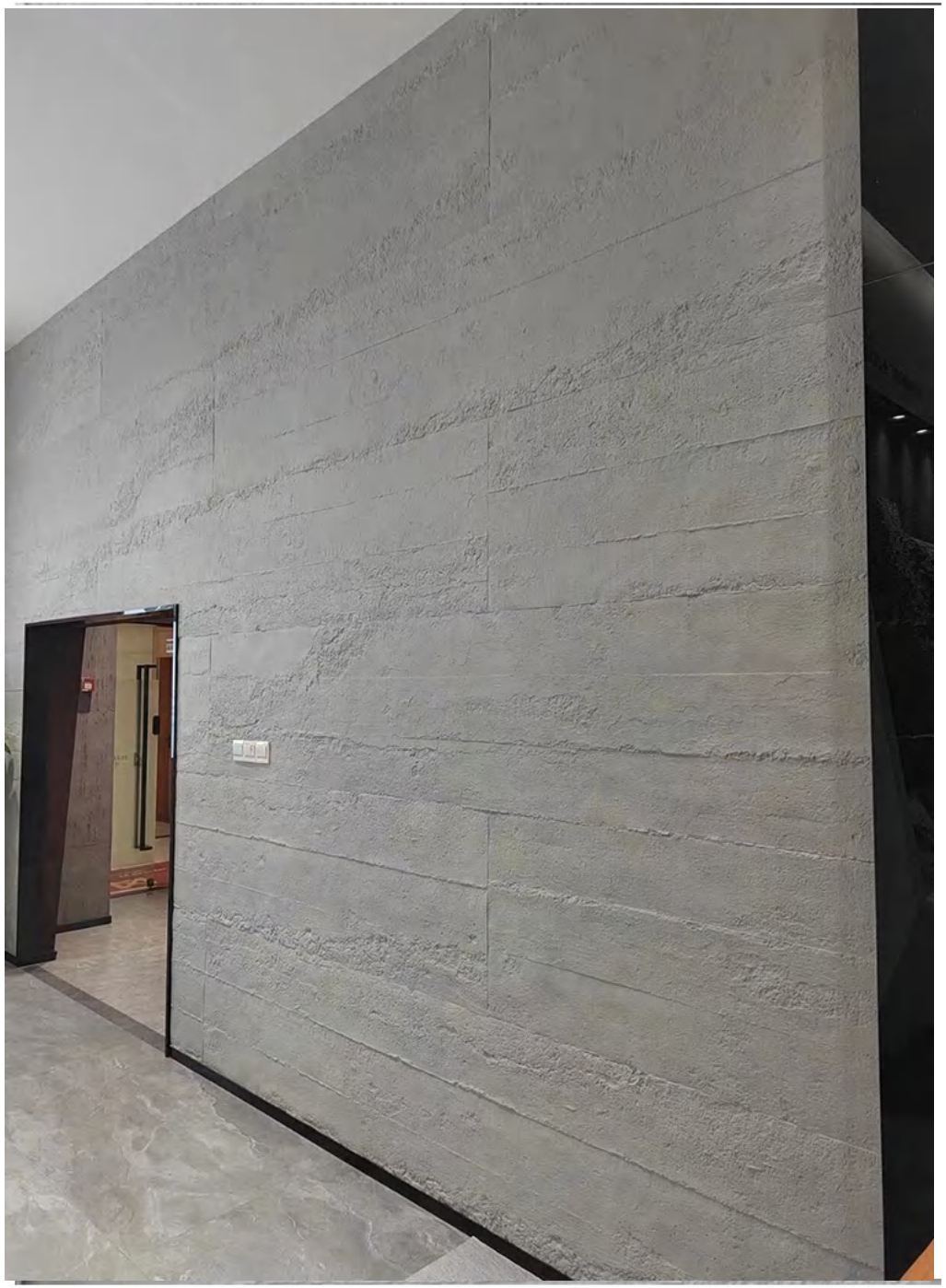
不限于以下颜色
Not limited to the following colors

白色/White



灰色/Grey

卡其色/khaki



fachichi.
Coming up roses.

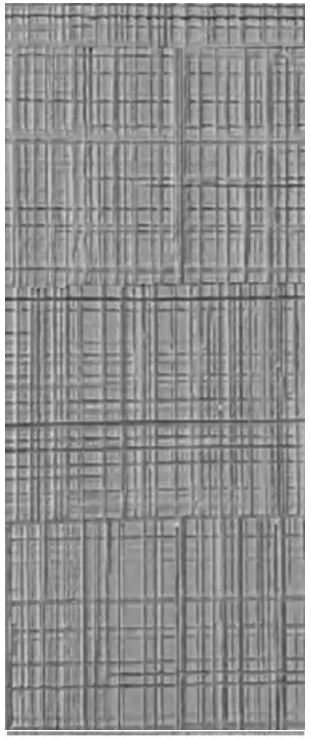
34#201

锯台木纹 Sawing wood

常备规格/Regular size：600* 1200mm、1200*3000mm
厚度/Thickness：3-6mm

不限于以下颜色
Not limited to the following colors

白色/White



灰色/Grey

深棕色/Dark brown

黑色/Black

星月石 Moonscape Stone

常备规格/Regular size：300*600mm 、600*1200mm、1200*3000mm
厚度/Thickness：4-7mm

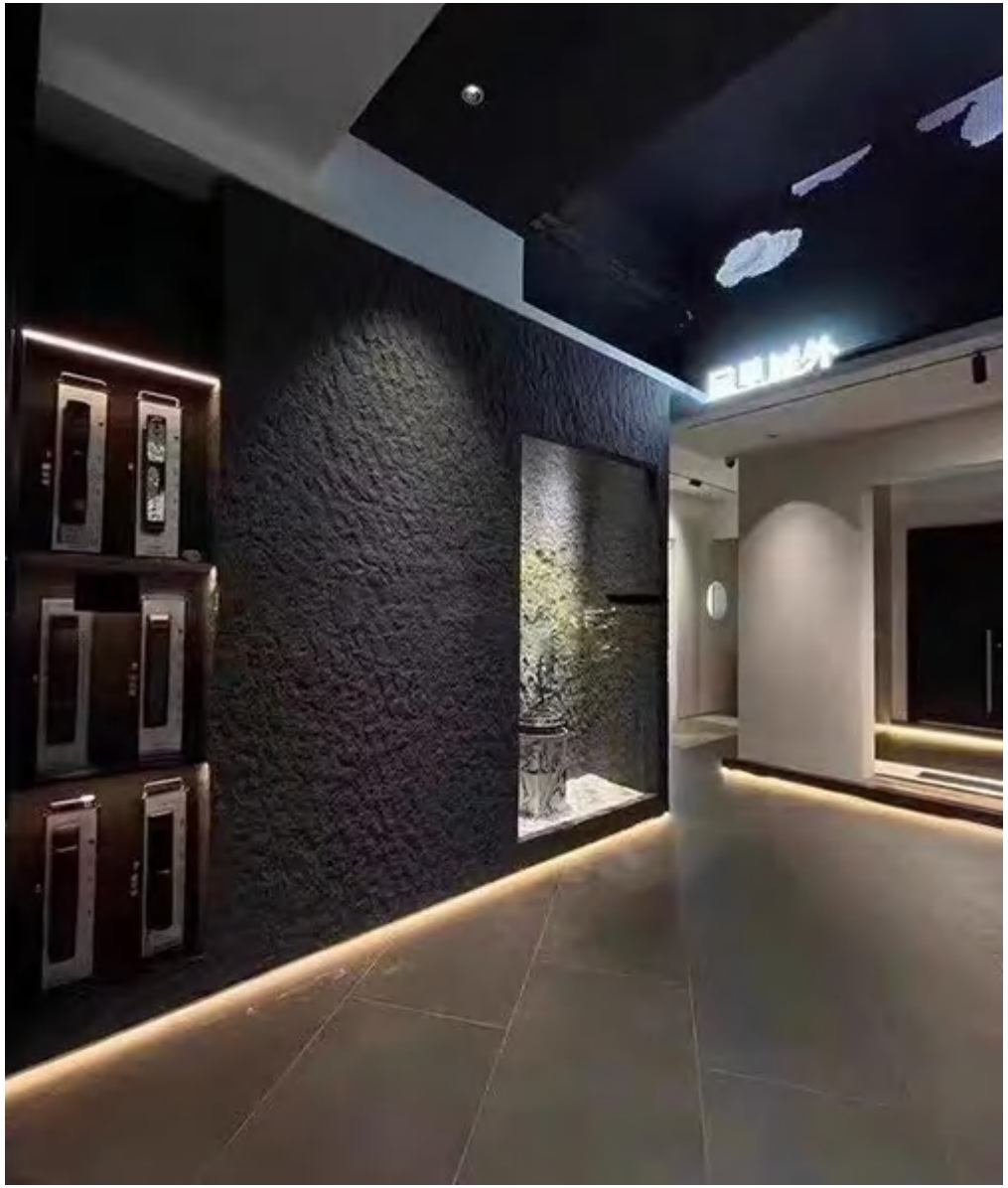
不限于以下颜色
Not limited to the following colors

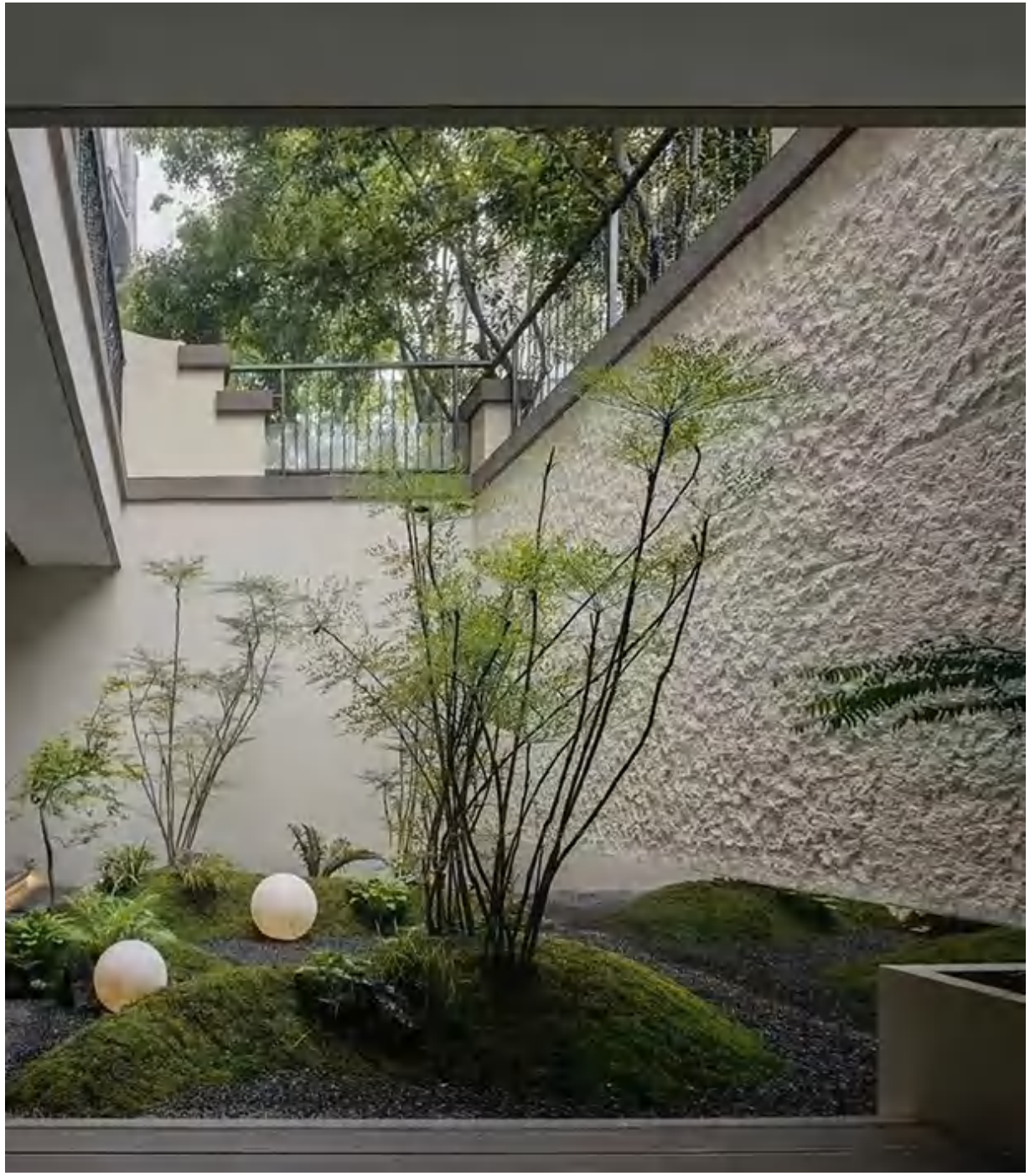
白色/White

米黄色/beige

灰色/Grey

黑色/Black





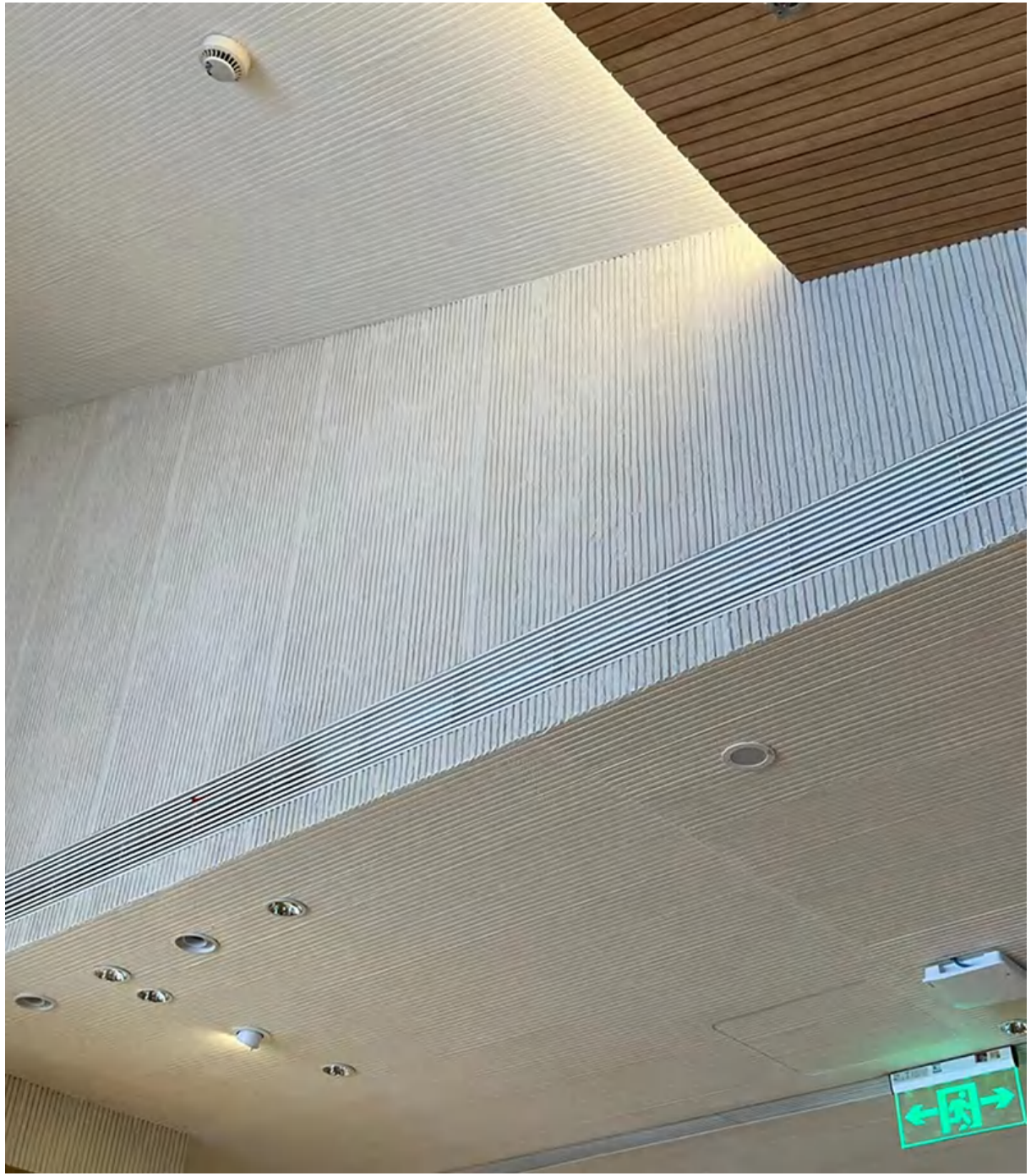
阡陌石 Square Line Stone

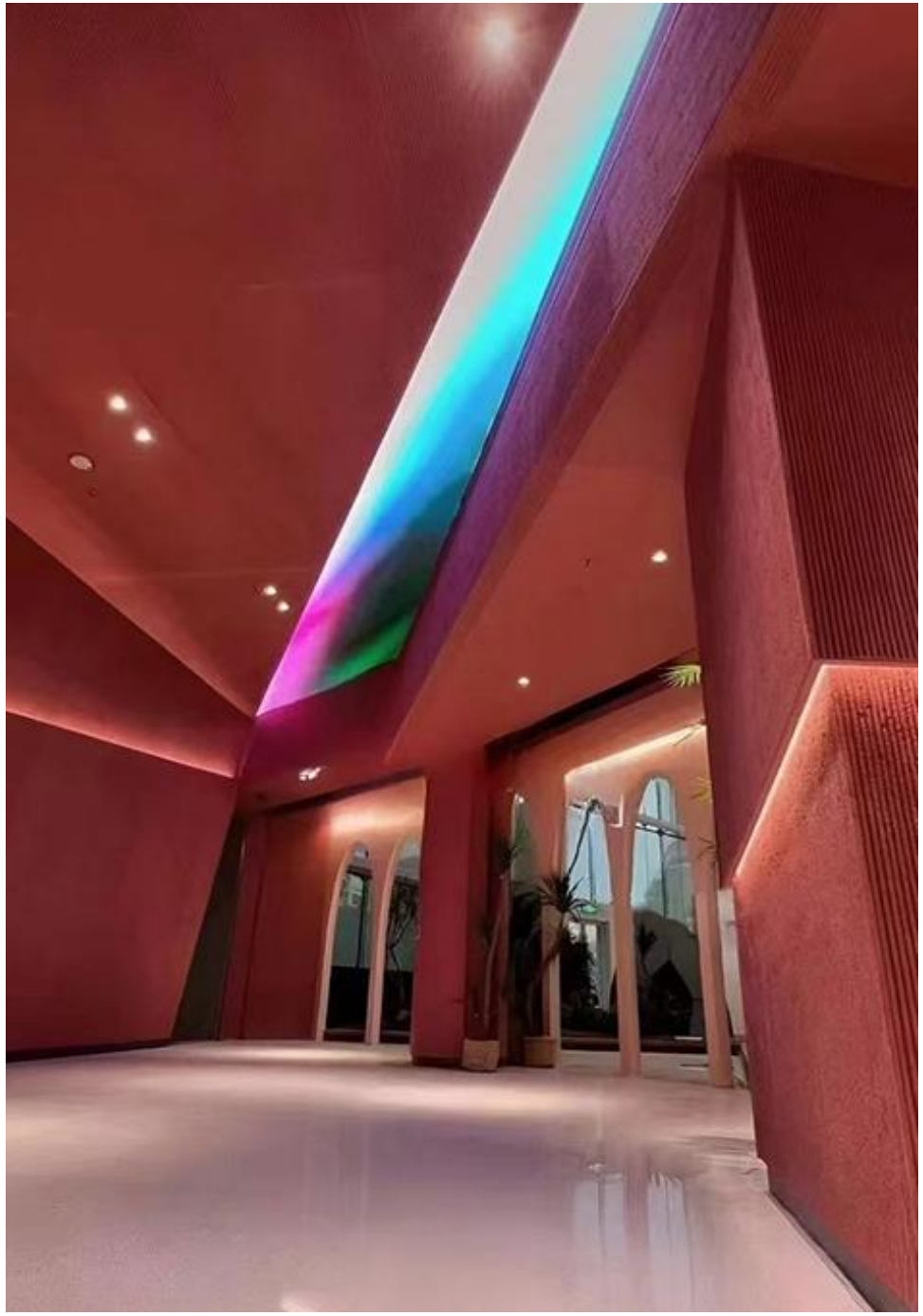
常备规格/Regular size：600*1200mm、600*2400mm 、1200*2400mm
厚度/Thickness：4-7mm
不限于以下颜色
Not limited to the following colors

白色/White

黑色/Black

米黄色/Beige

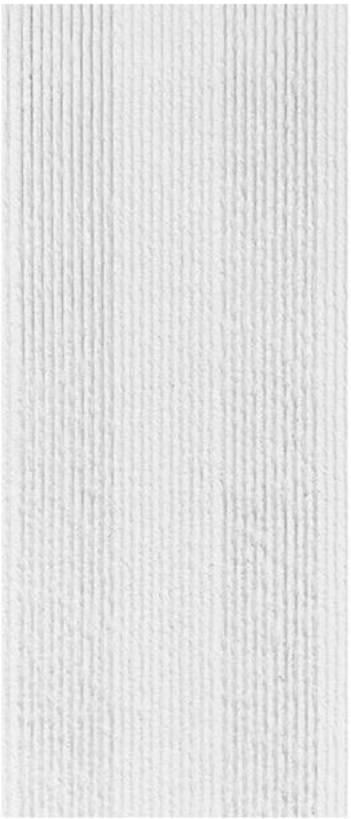




脉络石 Round Line Stone

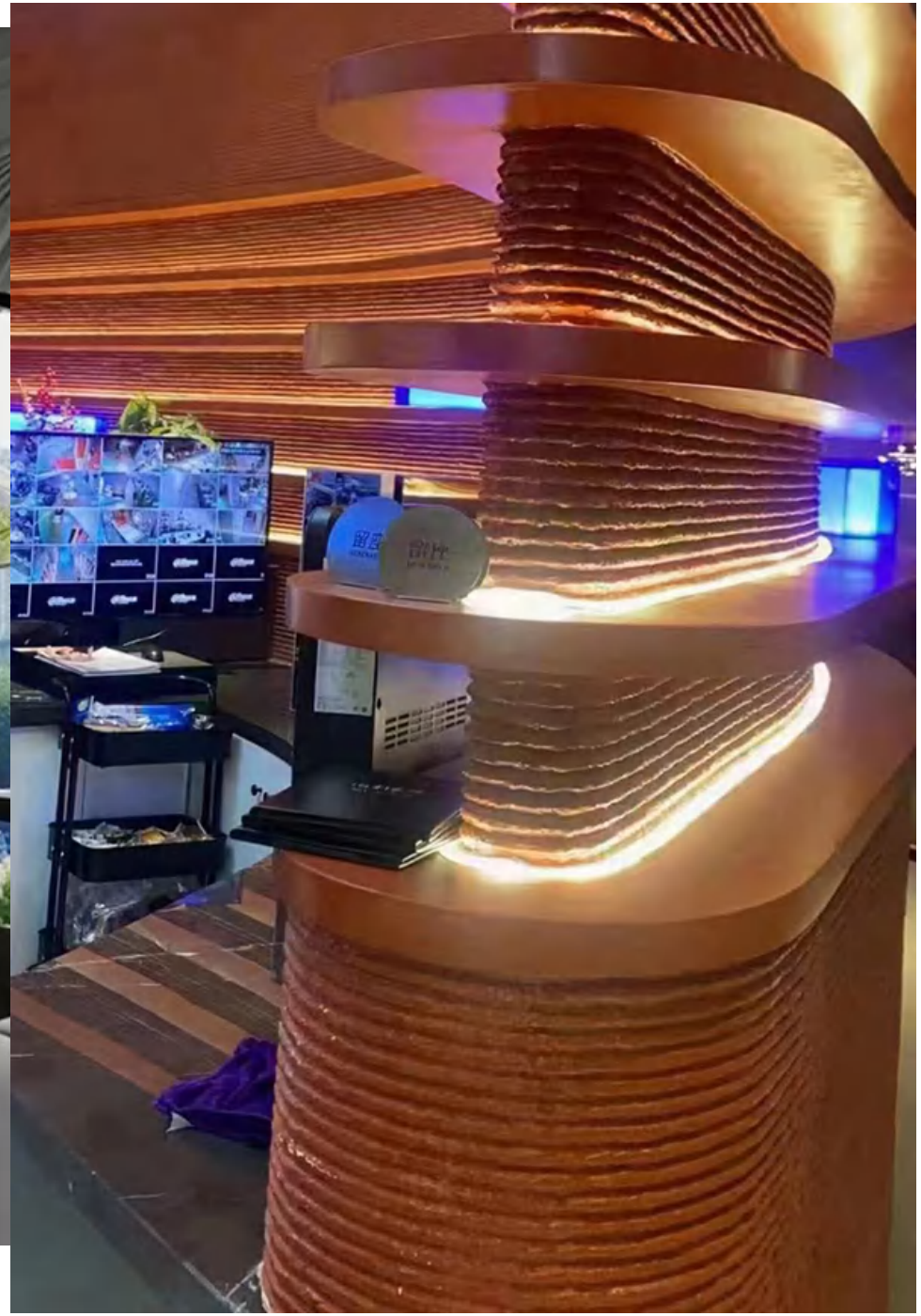
常备规格/Regular size:600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：4-7mm

不限于以下颜色
Not limited to the following colors



白色/White

黑色/Black



马赛克Mosaic

常备规格/Regular size：600* 1200mm、600*3000mm、1200*3000mm
厚度/Thickness：4-7mm

不限于以下颜色
Not limited to the following colors

白色/White

黑色/Black

粗纹线石 Line Stone Board

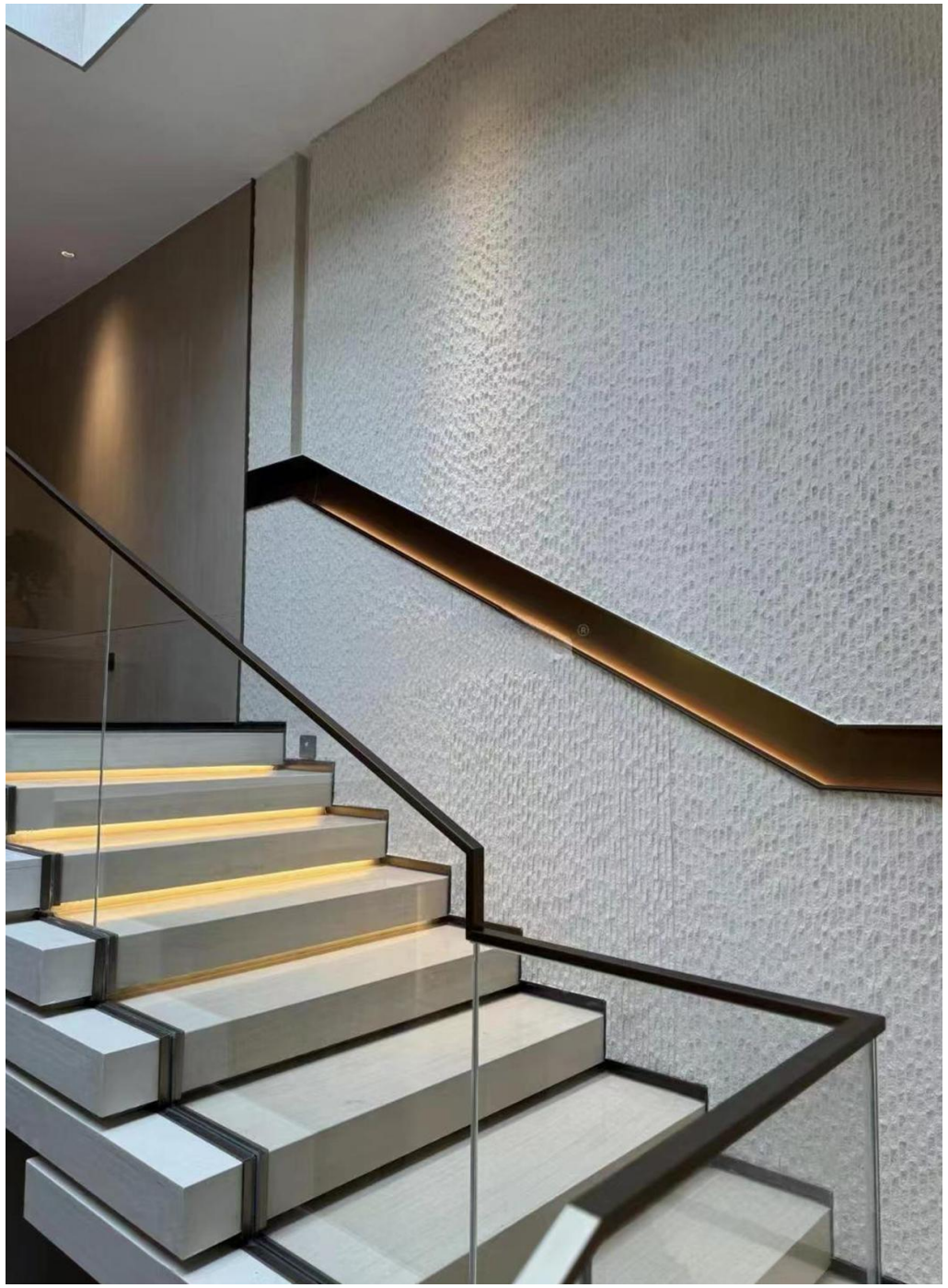
常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：4mm

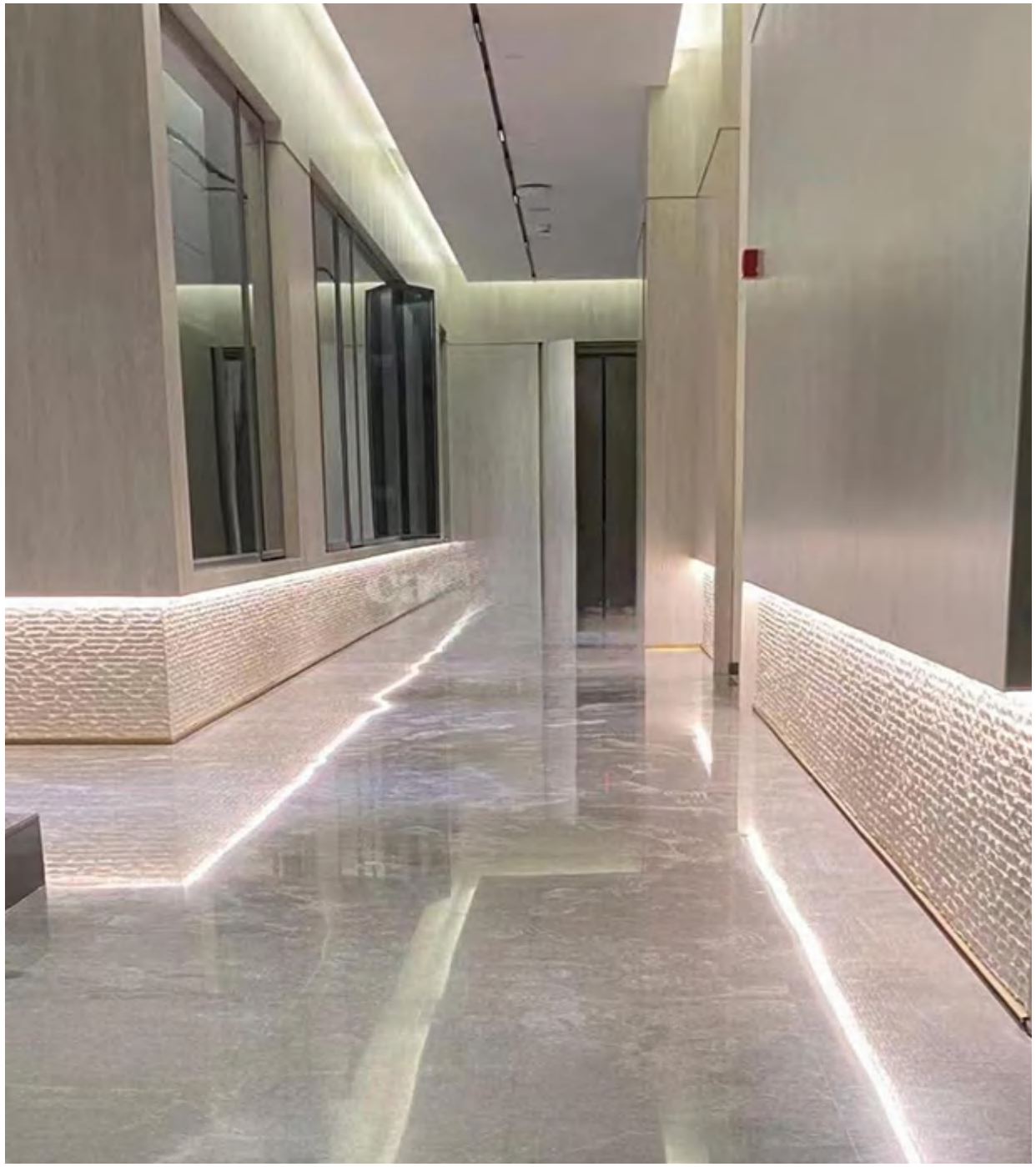
不限于以下颜色
Not limited to the following colors

白色/White

灰色/Grey

黑色/Black





毛面花岗岩 Rough Granite

常备规格/Regular size：600*1200mm、1200*3000mm
厚度/Thickness：4-5mm

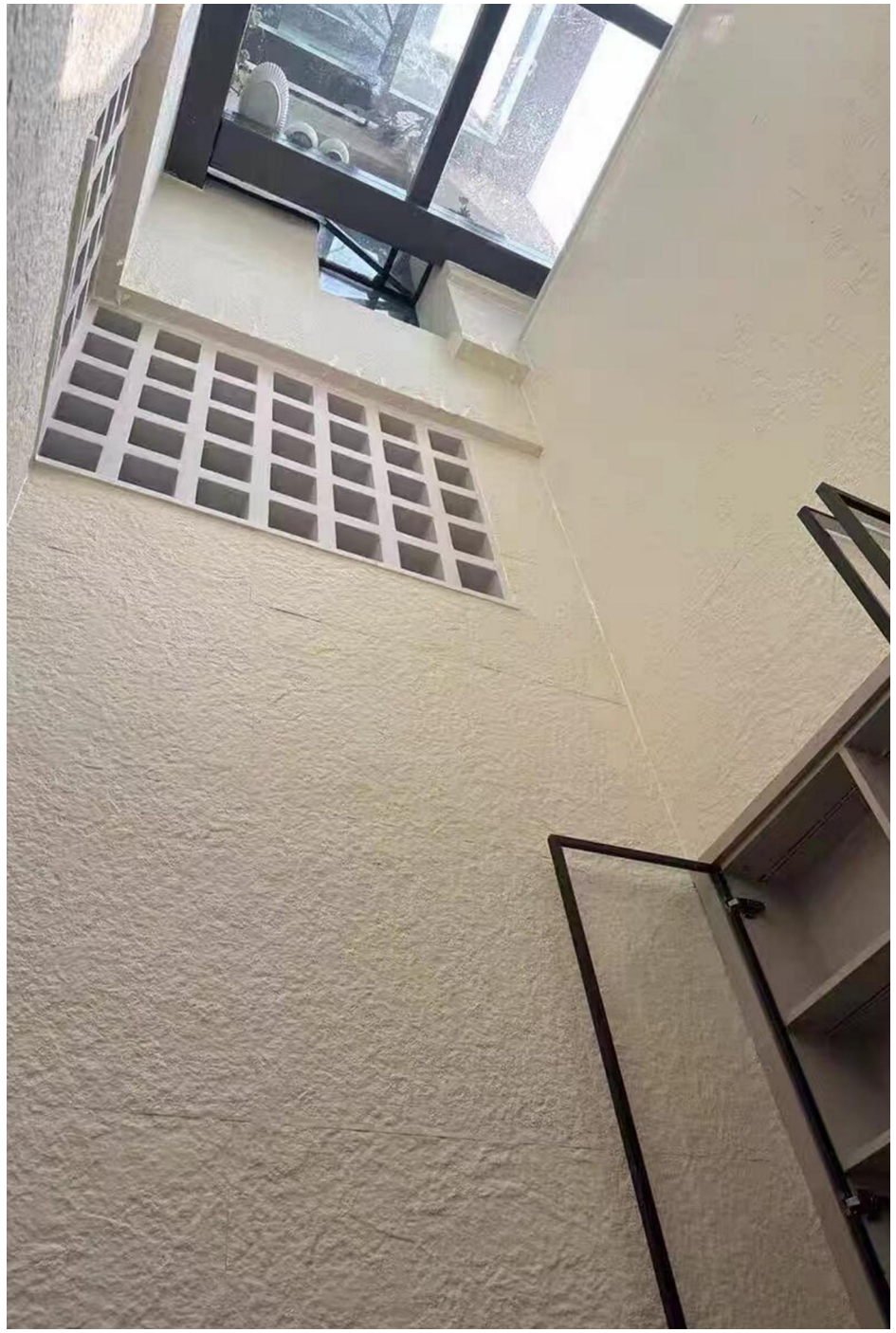
不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Beige

浅灰色 Light gray

黑色/Black



小锐空间美学

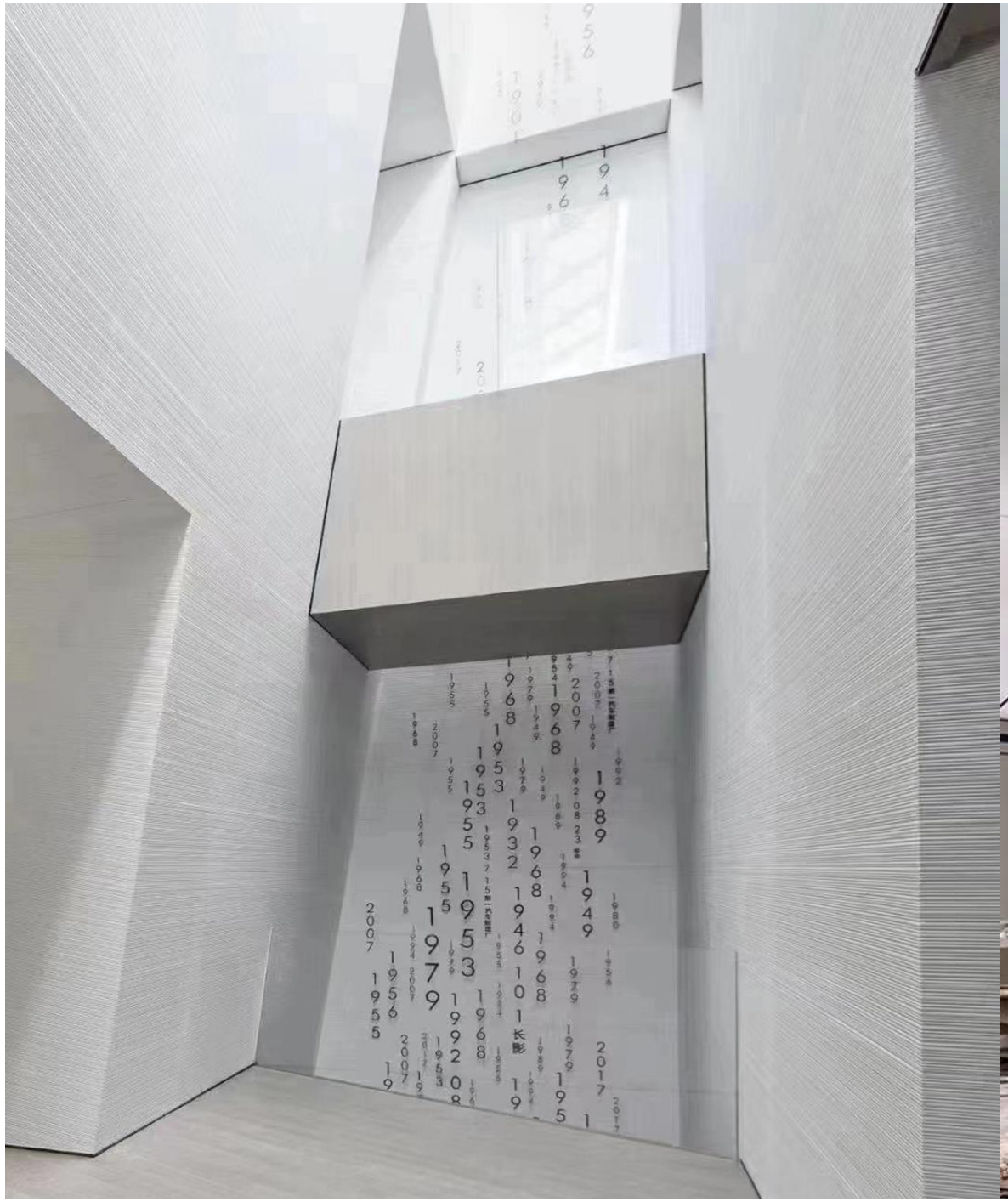
新线石Fine Line Stone Board

常备规格/Regular size：600*1200mm、3000*600mm、1200*3000mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

黑色/Black



麻编石 Hemp Woven Soft Stone

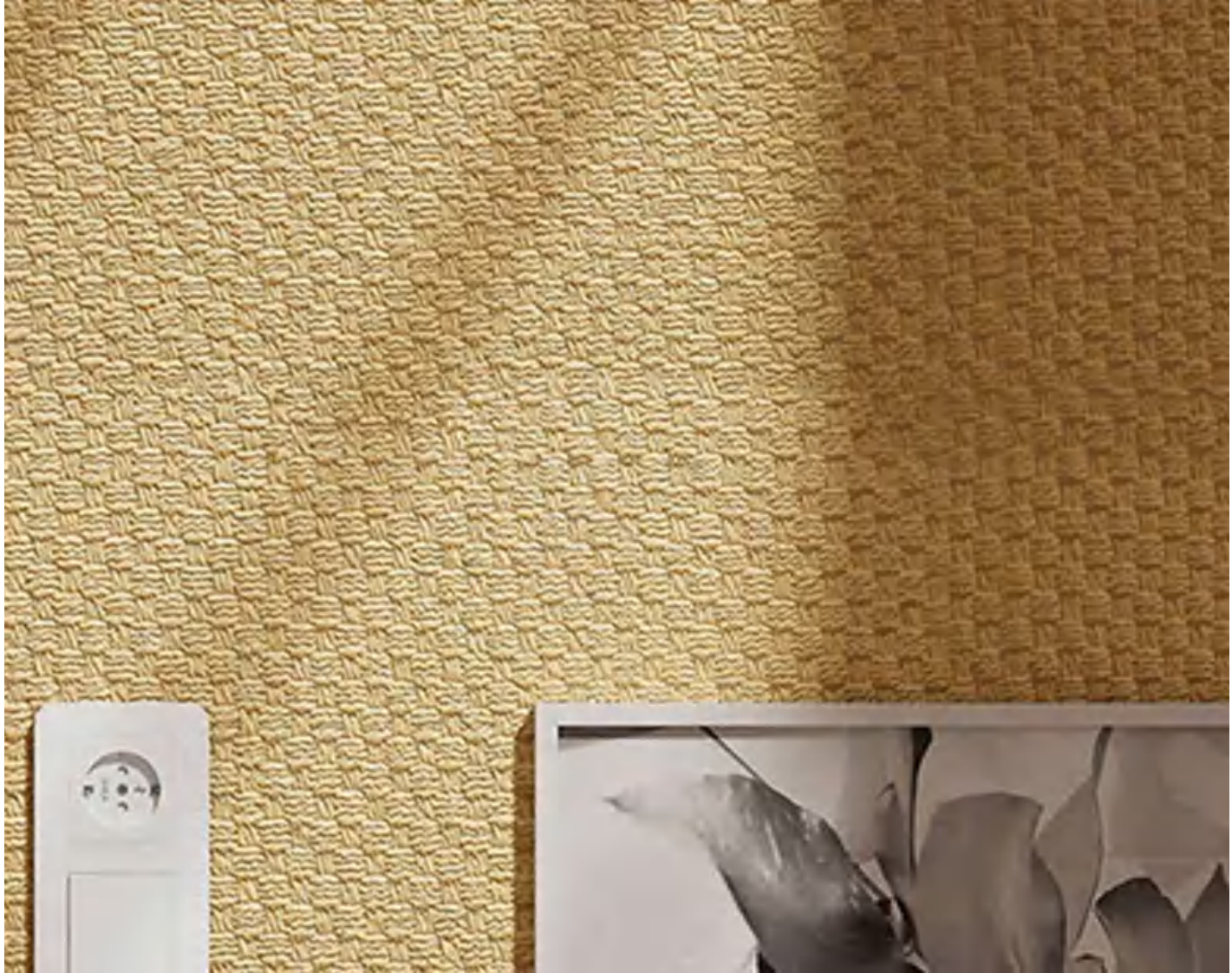
常备规格/Regular size：600*1200mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Beige

黑色/Black



麻绳石 Hemp Rope Stone

常备规格/Regular size：600*1200mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

卡其色/Khaki

黑色/Black

水波纹板 Ripple Board

常备规格/Regular size：600*1200mm、1200*3000mm
厚度/Thickness：4-5mm

不限于以下颜色
Not limited to the following colors

白色/White

黑色/Black

洞石 Travertine

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：3-4mm

不限于以下颜色
Not limited to the following colors

白色/White

浅灰色/Llight gray

米黄色/Begie

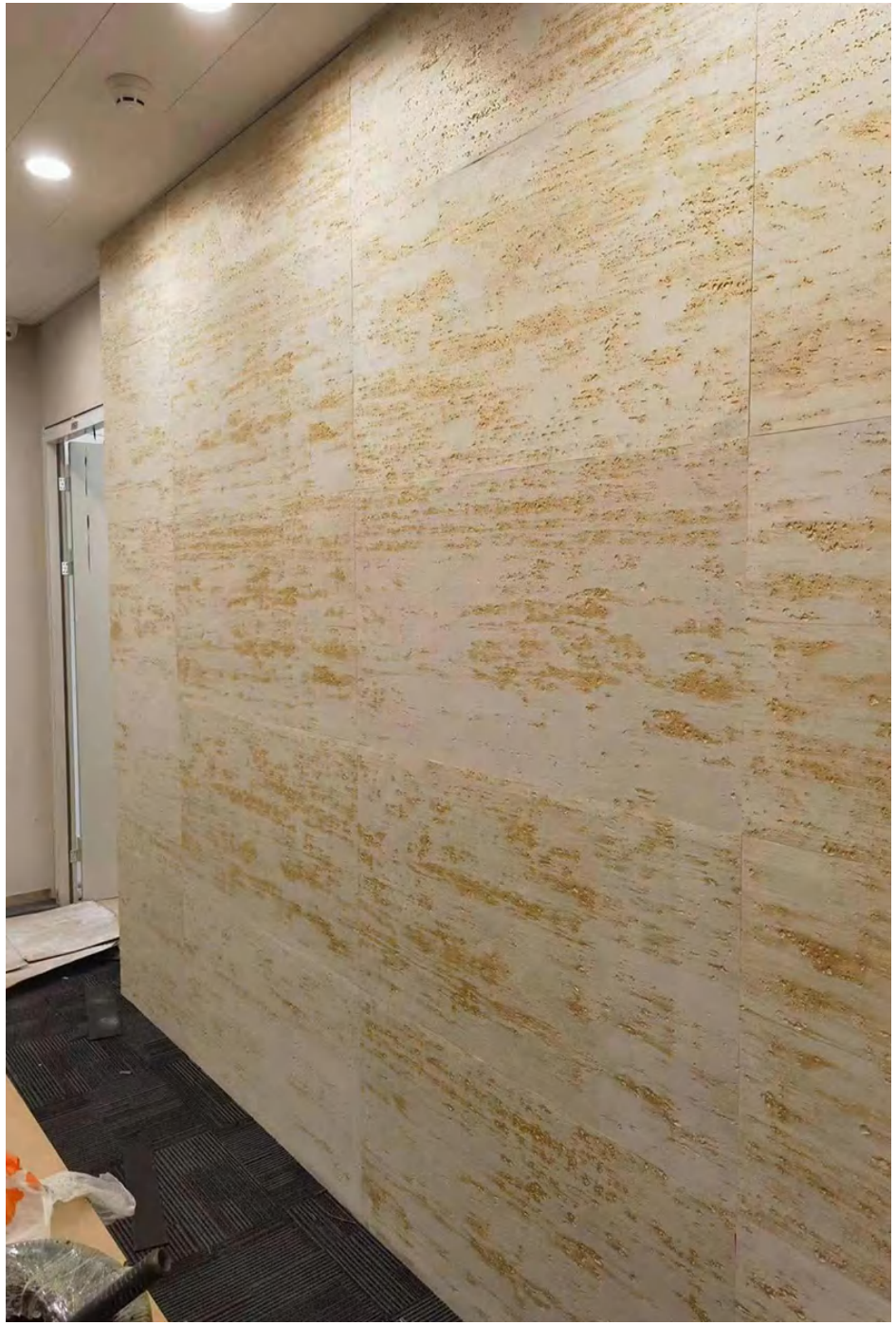
中灰色/Medium Grey

鎏金色/
White Golden

渐变白色/
Gradient White

深灰色/Dark Grey

黑色/Black



丹夯土板 Rammed Earth Board

常备规格/Regular size:600*1200mm、600*2400mm、1200*2400mm
厚度 Thickness：3-4mm

不限于以下颜色
Not limited to the following colors

黄色/Yellow

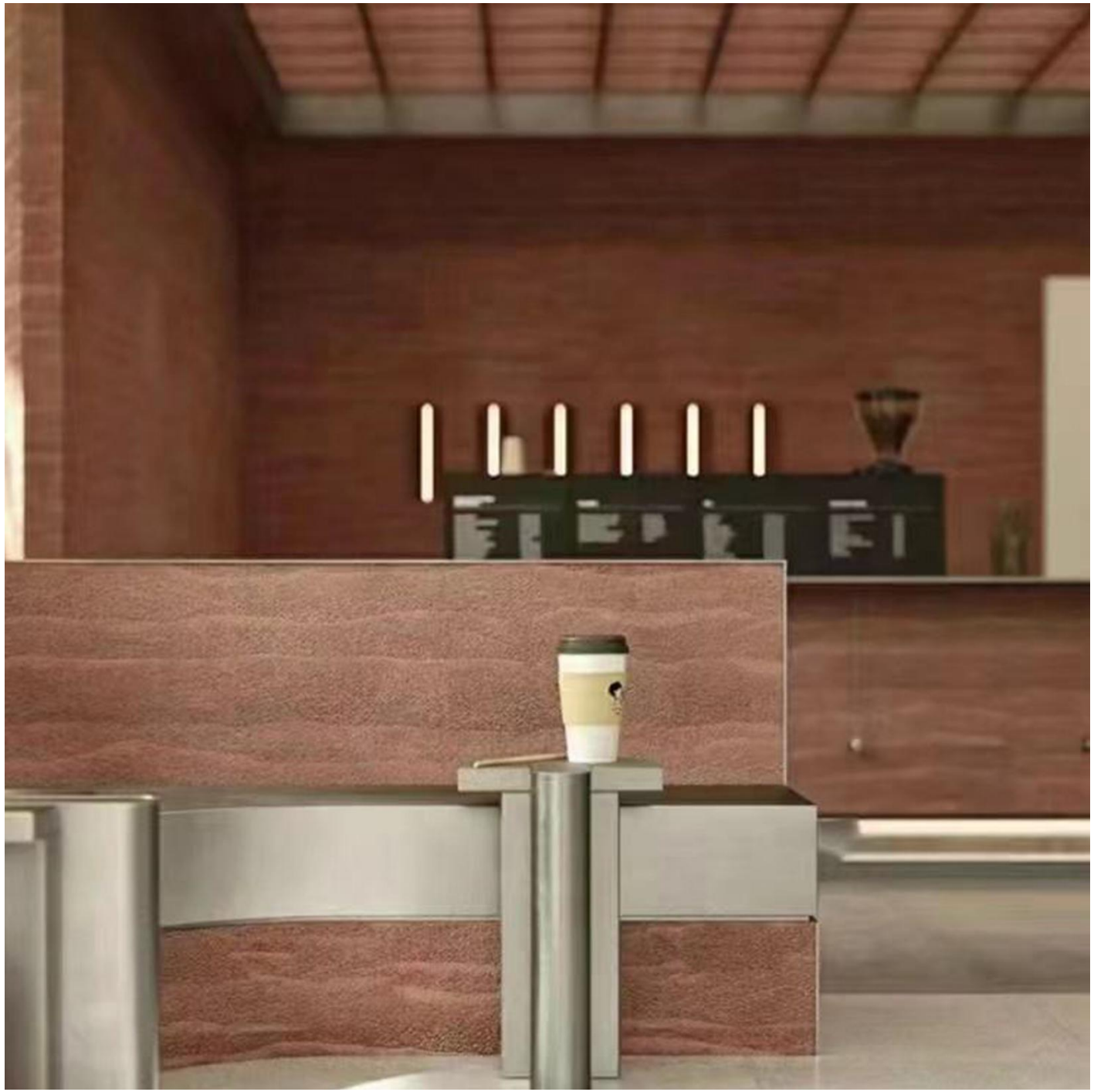
白色/White

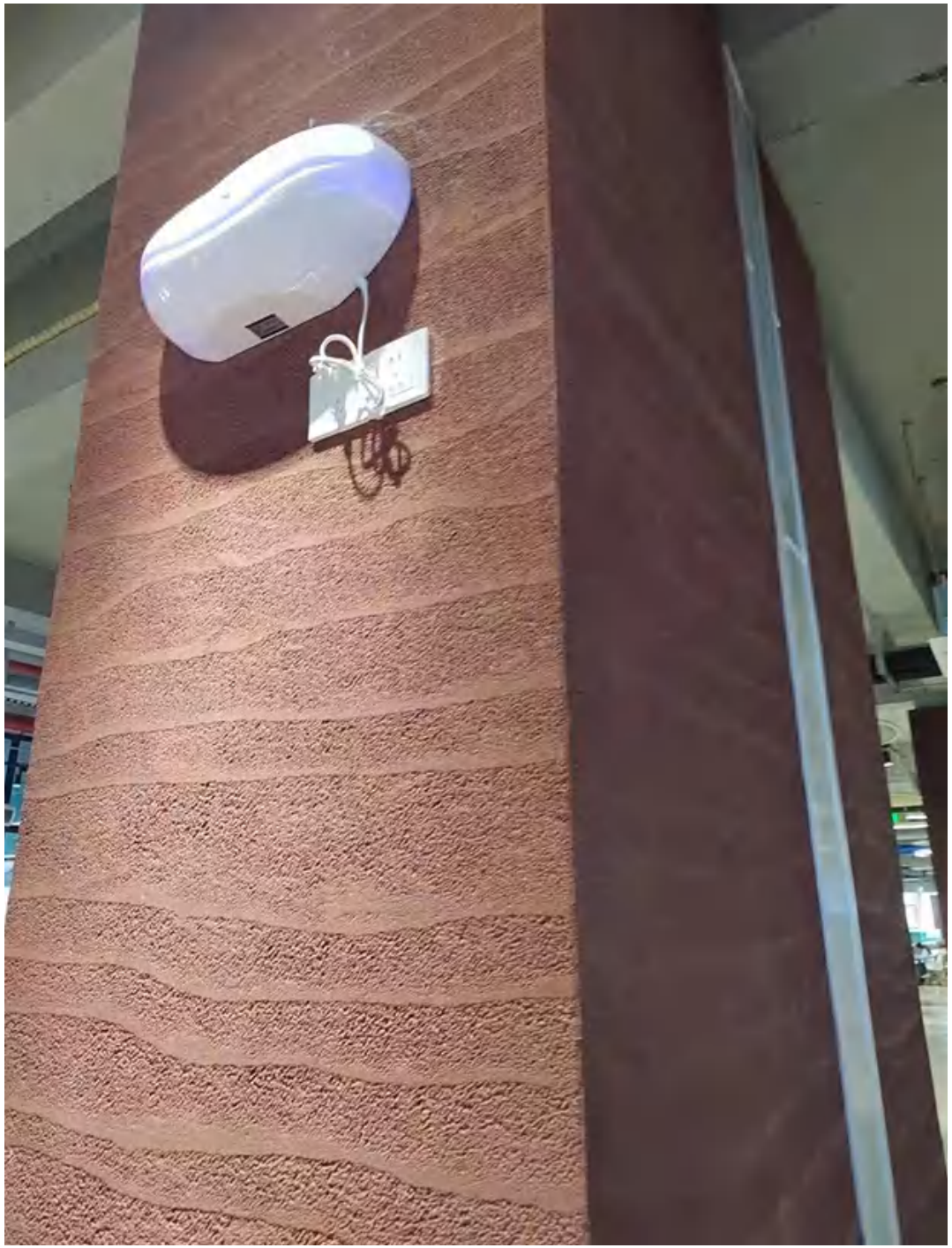
浅中灰/Light Medium gray

橙黄/Orange

丹霞红/Danxia Red

深灰色/Dark Grey





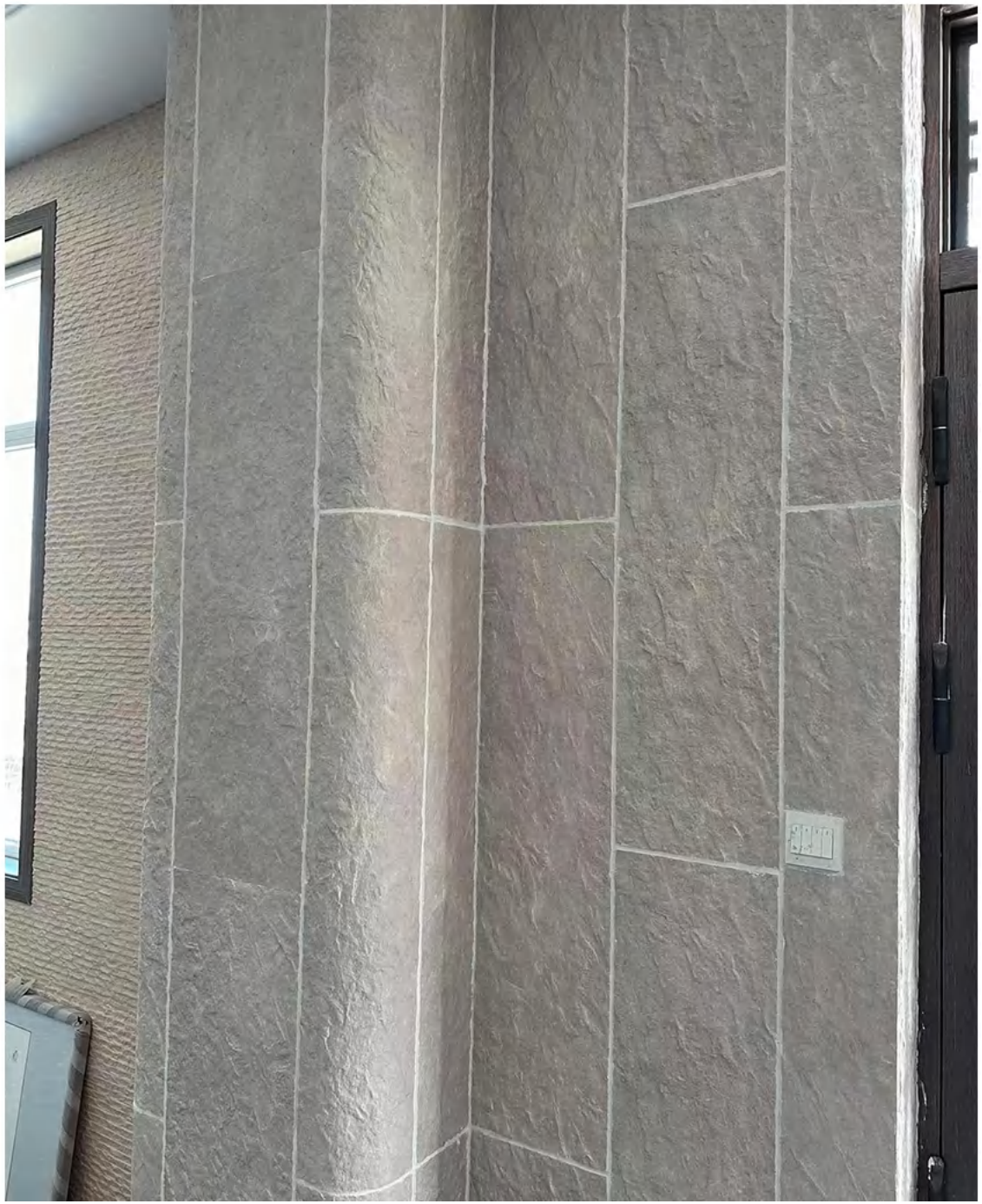
斧凿石 Rockcut Stone

常备规格/Regular size：600*1200mm、600*3000mm、1200*3000mm
厚度/Thickness：4 mm

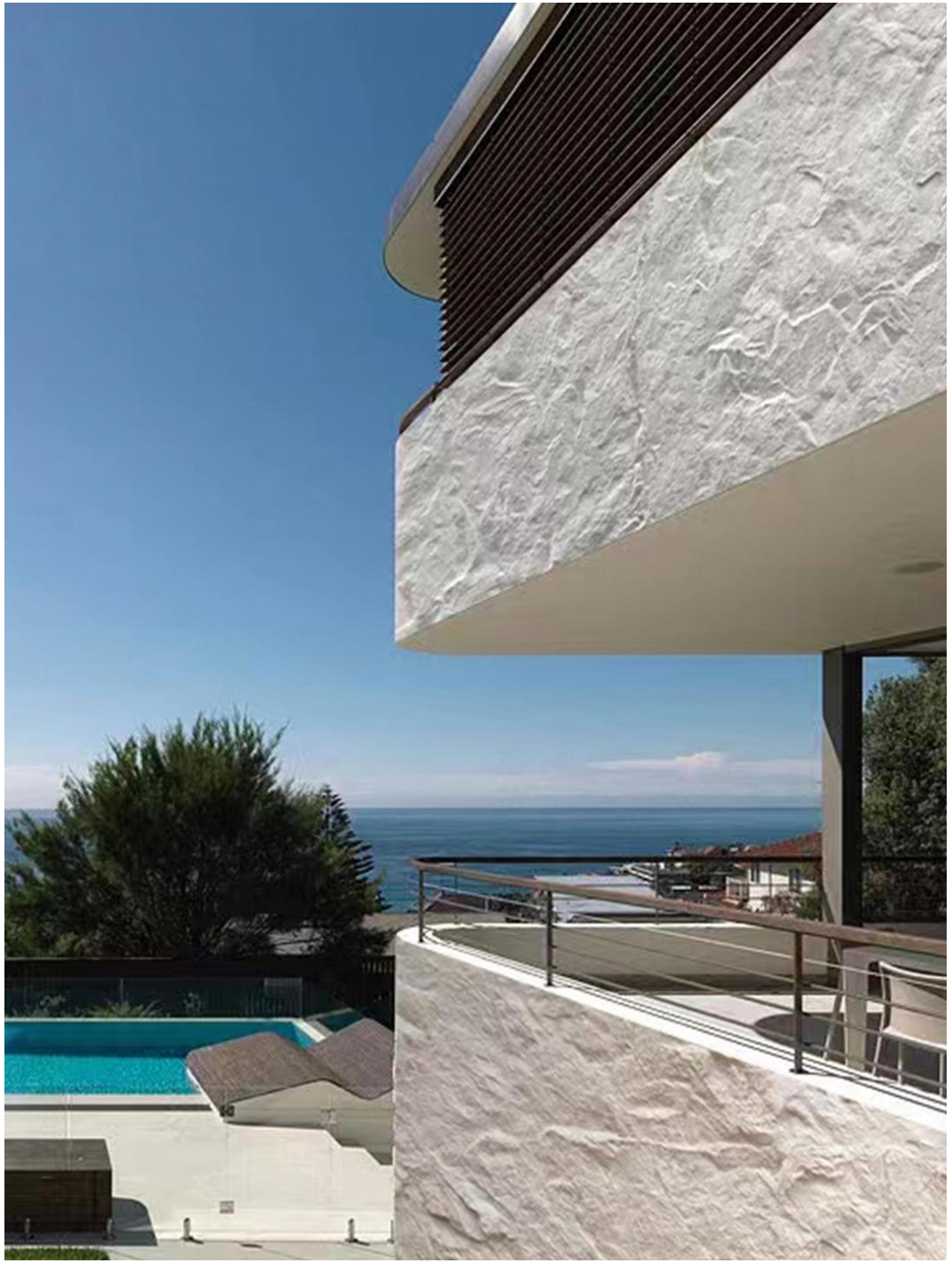
不限于以下颜色
Not limited to the following colors

白色/White

深灰色/Dark Grey



COFFEE
TIME
BAR



板岩 Slate

常备规格/Regular size:600*1200mm、600*3000mm、1200*3000mm
厚度/Thickness：3-4mm

不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Begie

浅灰色/Light gray

中国红/Red

黄色/Yellow

中灰色/Medium Grey

Is born with natural color, elegant and rich, and is ideal for urban color planning.

布纹石 Cut Stone

常备规格/Regular size:600*1200mm、600*3000mm、 1200*3000mm
厚度/Thickness: 4-5mm

不限于以下颜色
Not limited to the following colors

白色/White

浅米黄/Light Beige

棕灰色/Brown Gray

橙红色/Orange Red

Good flexbility

and light weight

安哥拉页岩 Angola shale

常备规格/Regular size:600*1200mm、600*1200mm
厚度/Thickness：4-5mm

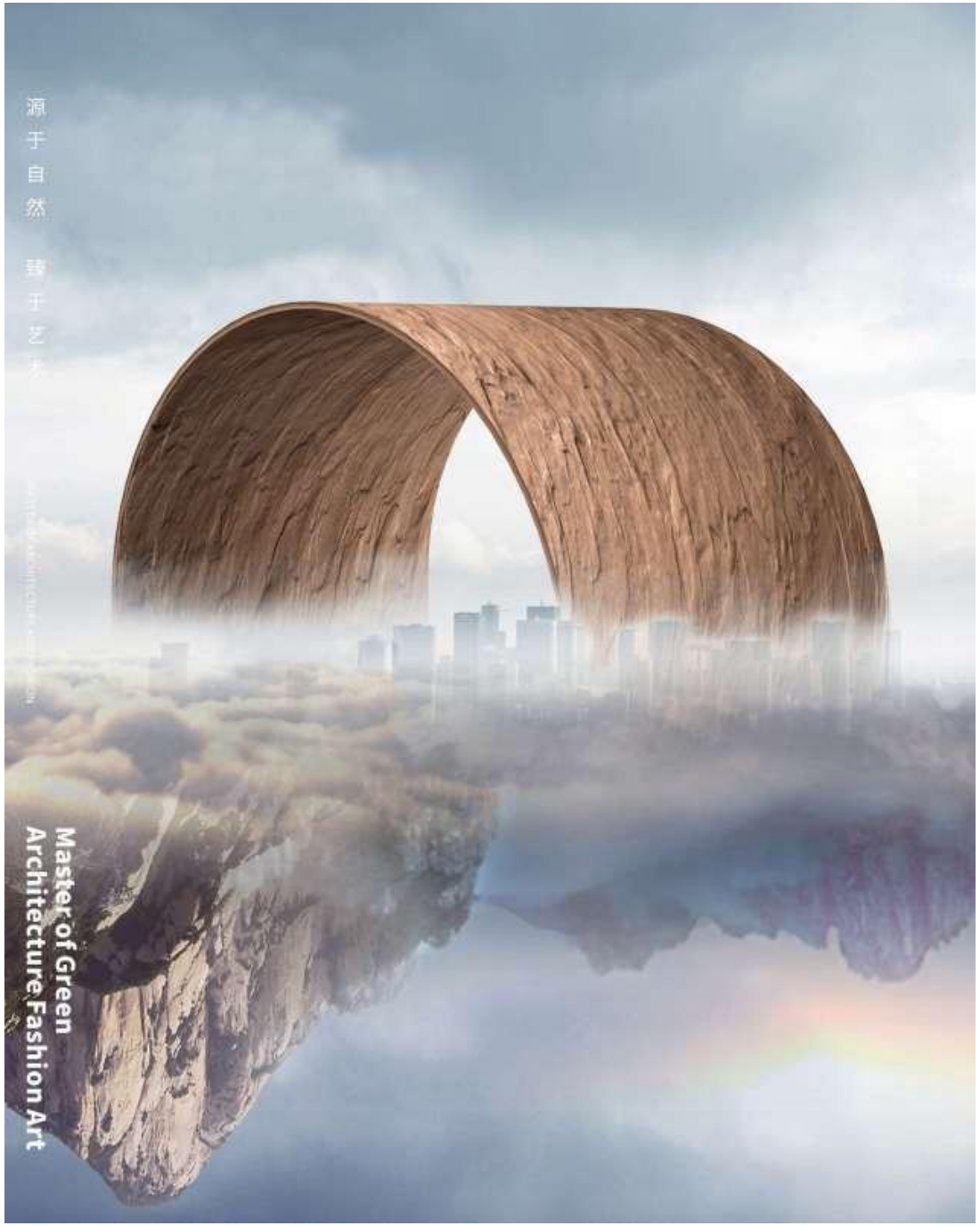
不限于以下颜色
Not limited to the following colors

白色/White

红色/Red

黑色/Black

Safe and environmentally friendly



Flexible stones have the flexibility of organic materials and can be shaped arbitrarily

But it also retains the durability of inorganic materials

岁月流水石 Muretto Stone

常备规格/Regular size:600*1200mm
厚度 Thickness:4-6mm

不限于以下颜色
Not limited to the following colors

白色/White

浅灰色/Light gray

深灰色/Dark Grey

Is born with natural color, elegant and rich, and is ideal for urban color planning.

Good flexbility and light weight

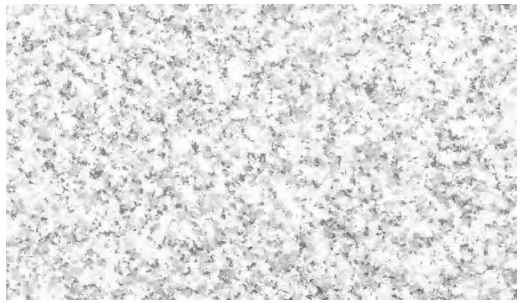
花岗岩 Granite

常备规格/Regular size：300*600mm、600*1200mm、1200*3000mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

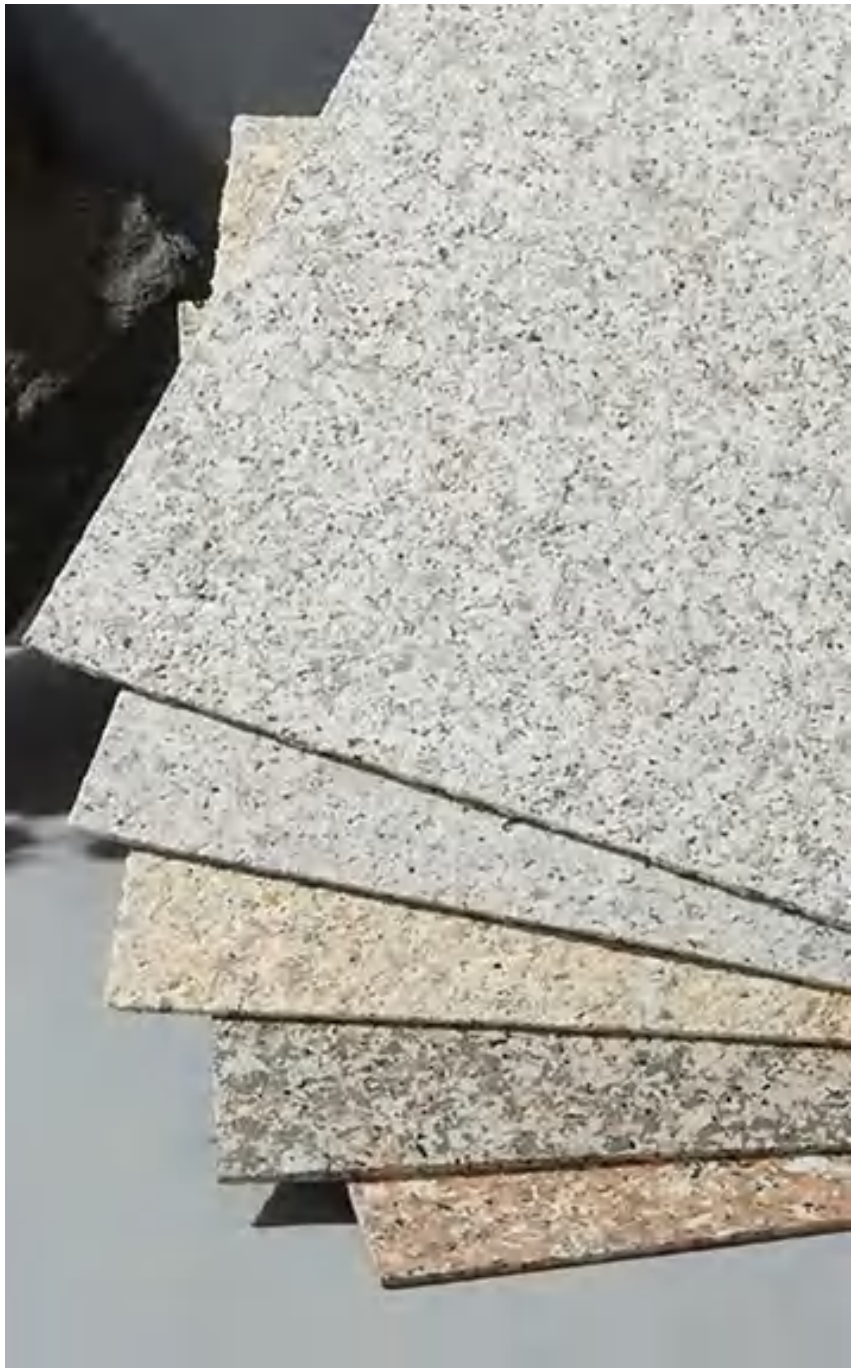
DC-017

DC-020



DC-14082

DC-017



内凹圆柱洞石 Travertine Roman Pillar / Column

常备规格/Regular size：600*1200mm
厚度/Thickness：6-8mm

不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Beige

黑色/Black

芭蕉叶 Banana Leaf

常备规格/Regular size：600*1200mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Beige

黑色/Black

人字形石 Herringbone

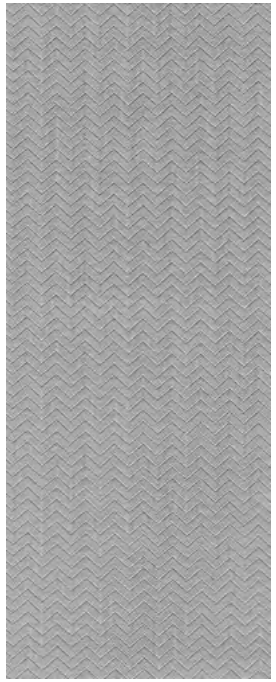
常备规格/Regular size：600*1200mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

米黄色/Beige

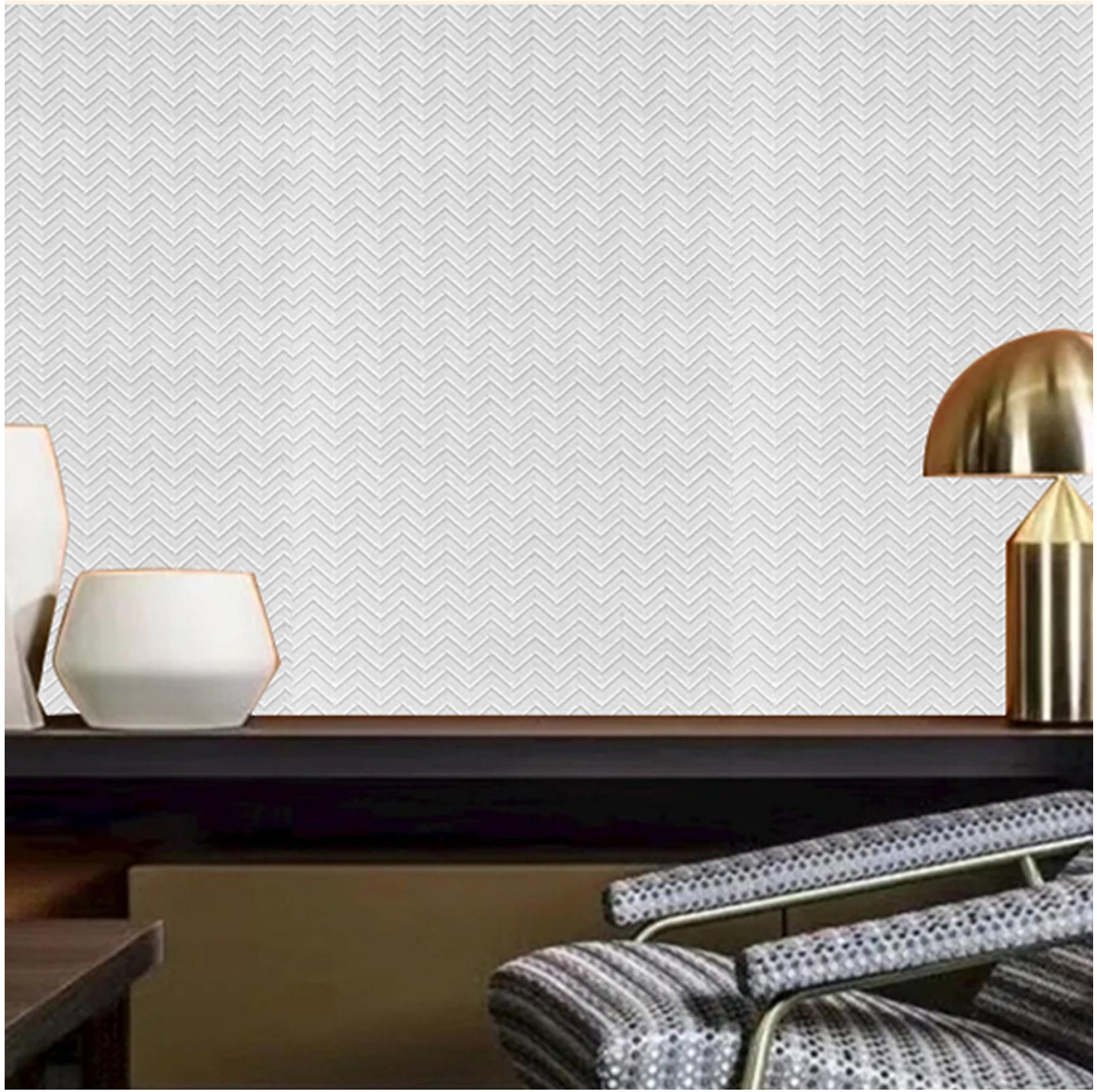
卡其色/Khaki



灰色/Grey

黑色/Black

红色/Red



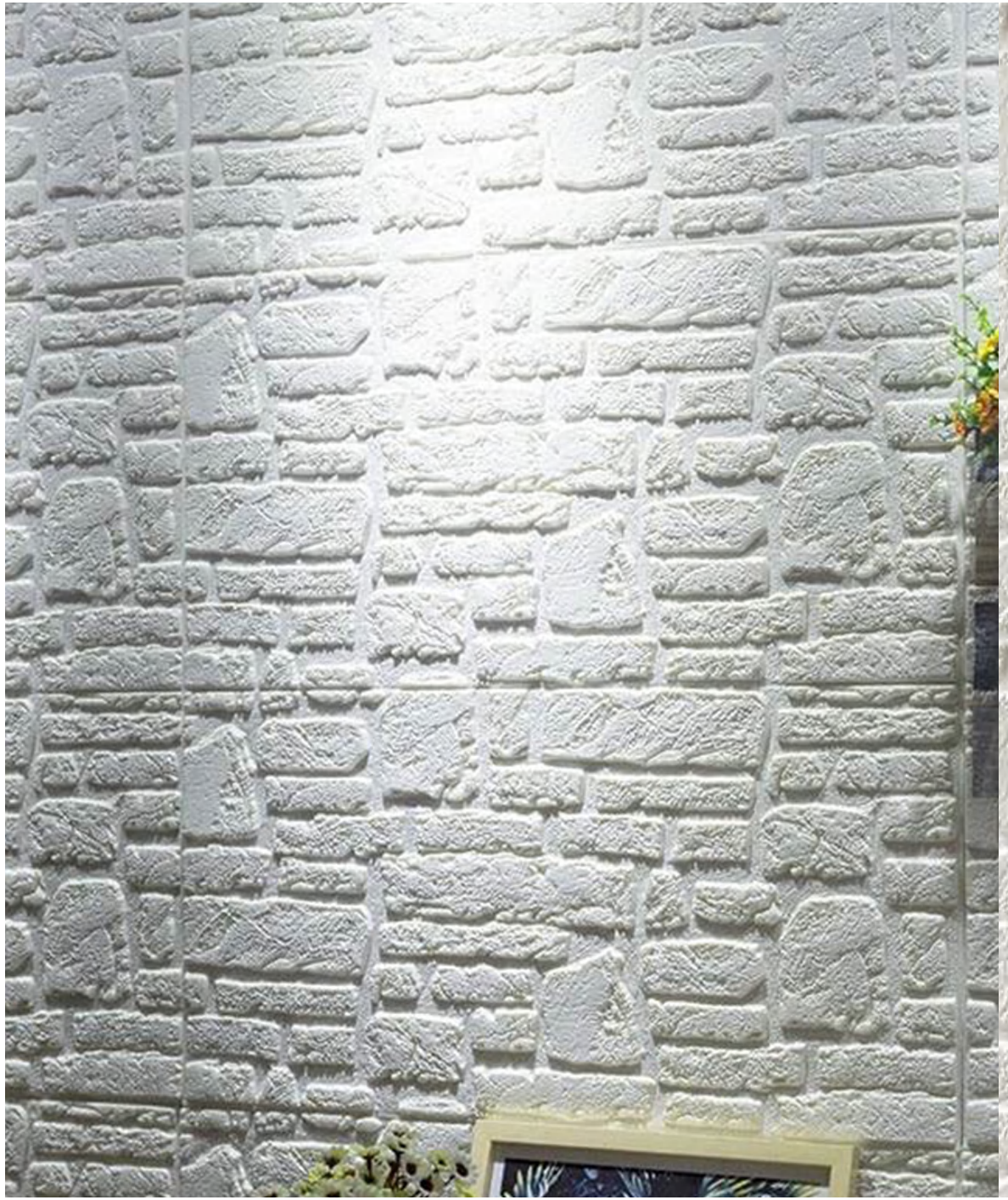
仿岩石 Culture Stone

常备规格/Regular size：600*1200mm
厚度/Thickness：4mm

不限于以下颜色
Not limited to the following colors

白色/White

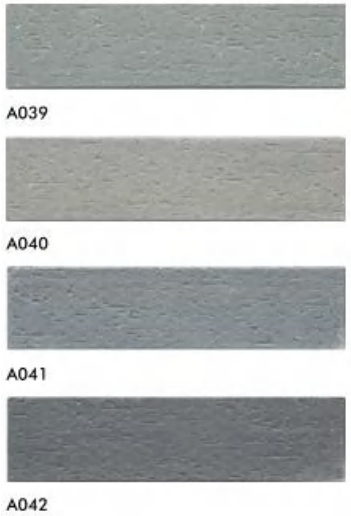
黑色/Black

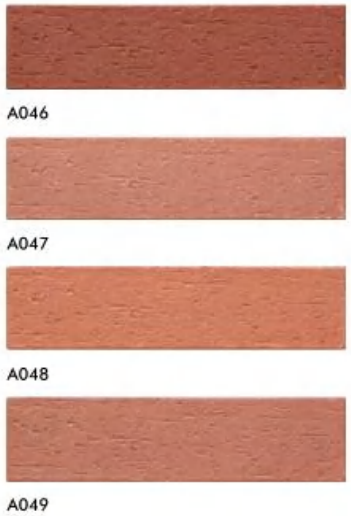


劈开砖 Facing brick

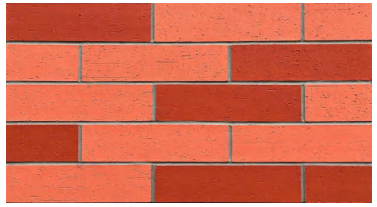
常备规格/Regular size：240*60mm
厚度/Thickness：2.5-3.5mm

不限于以下颜色
Not limited to the following colors





灰色系/Gray Series **红色系/Red Series** **黄色系/Yellow Series**



Derived from Artemis, the goddess of the moon in Greek mythology, with a goddess like soft light color scheme that filters out the rough texture of the brick pattern.

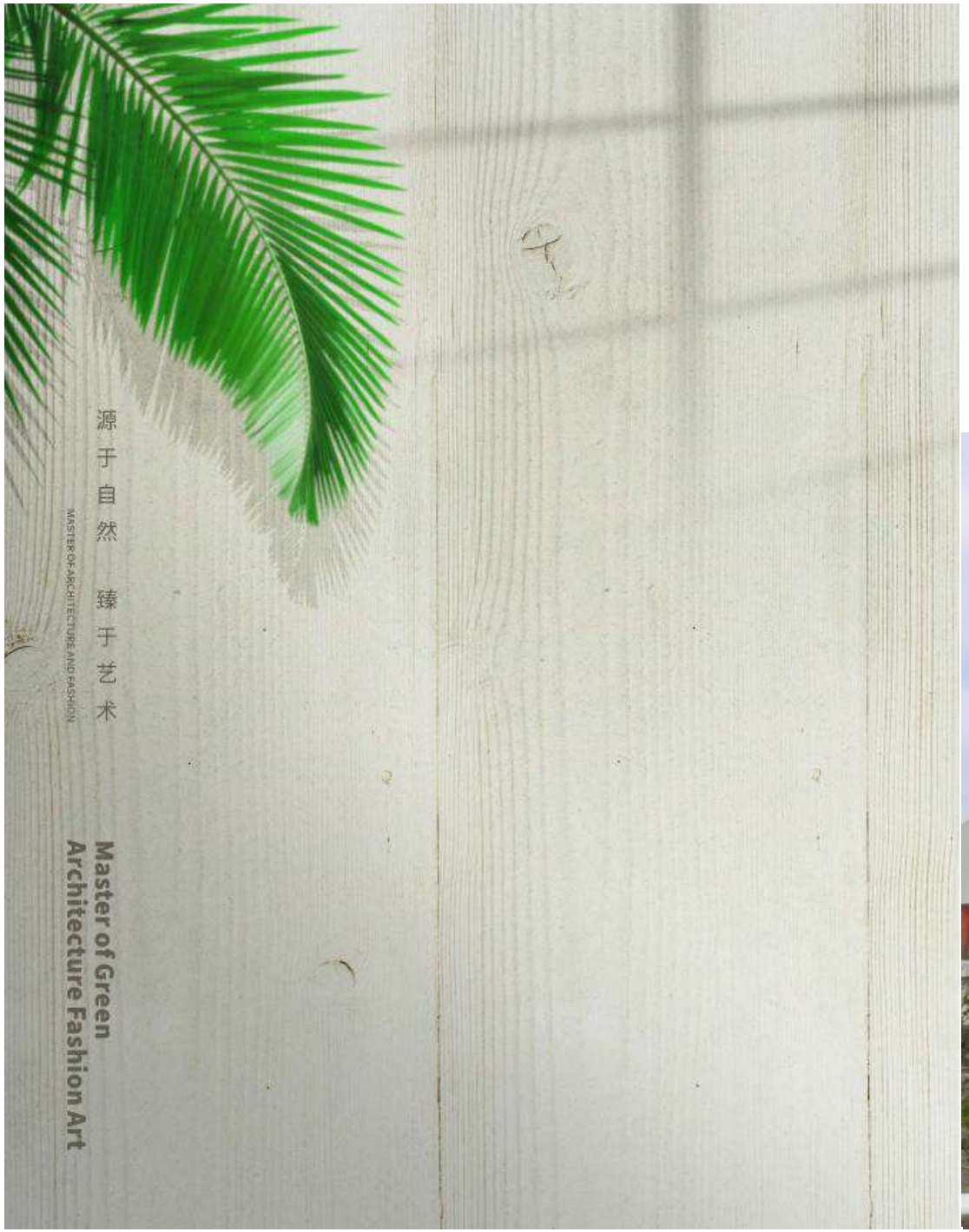
仿木纹 Imitation Wood

常备规格/Regular size:300*600mm、600*1200mm
厚度/Thickness：2.5-3.5mm

不限于以下颜色
Not limited to the following colors

No.0869

No.0862



Is born with natural color, elegant and rich, and is ideal for urban color planning.

Flexible Stone (MCM)

It is an environmentally friendly building decoration material formed by the hybridization of environmentally friendly active clay and environmentally friendly polymer.

Raw materials: **Various inorganic powders such as ecological white soil (stone), red soil (stone), loess (stone), black soil (stone), purple soil (stone), etc., collected from far away cities and subjected to strict technical testing.**

Modification: **After the raw materials are fully crushed, the inorganic compound surface is coated with organic activity through spray and other methods. The molecular chain of natural soil is extended by more than 30 rational technologies such as nanotechnology and gamma ray to compound and modify it, making it a material with new performance, which has both the durability of inorganic materials and the plasticity of organic materials.**

Forming: **Based on various natural material textures or historical handicraft elements, modern art creation elements, etc., using cutting-edge photosensitive mold cloning technology to create, under photochemical isomerism and controlled curve temperature, any shape can be formed.**

Flexible Stone（MCM）
productive process

Raw material collection

Collect inorganic compound such as soil and stone powder from nature

Mechanical treatment

Color separation and pulverization of inorganic compound to form microscopic inorganic powder

Modification

Surface coating modification of particles using fluorinated surfactants to form environmentally friendly active soil

Produce

Adopting self-developed fully automated production line modeling

Performance tuning

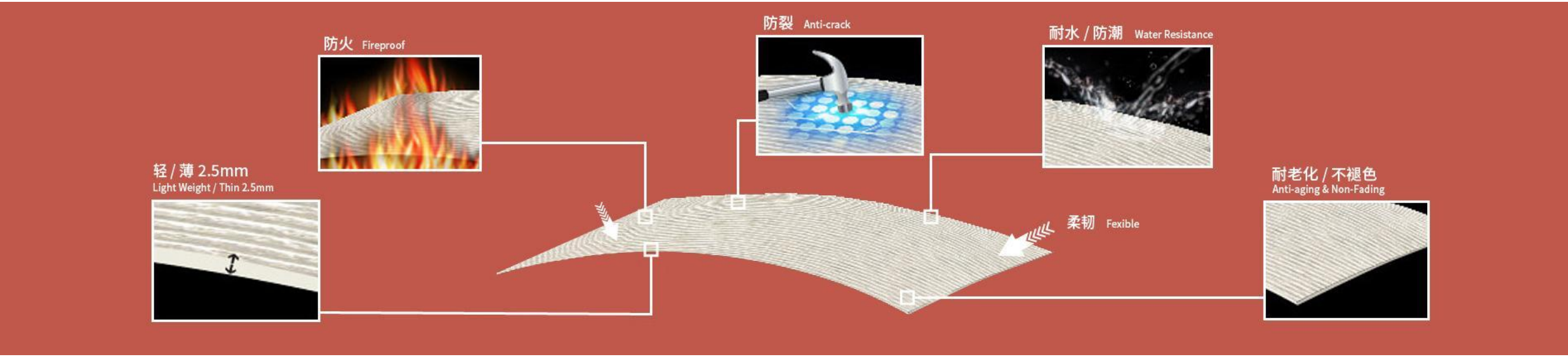
The flexibility and hardness of the finished product are adjusted through curve temperature and modifiers

Forming

Forming sheets, rolls, blocks, plates or profiles

Features

1.Thin and light: Each piece has a thickness of only 2-6mm and weighs only 3-8 kilograms/square meter. It is easy to install and has high safety, making it suitable for high-rise buildings.
2. Soft, earthquake resistant and crack resistant: can be directly curved, with good ductility, earthquake resistant and crack resistant. Suitable for irregular buildings.
3.Anti fouling and self-cleaning: special nano glazed surface, self cleaning technology with net load.
4. A-level fire protection: A-level fire resistant material.
5. Anti freezing and thawing, acid and alkali resistance, durability, and non fading: The freeze-thaw test has been conducted 100 times, and the accelerated aging test has been conducted for over 4000h. The surface is free from powdering, cracks, peeling, and discoloration, equivalent to outdoor use for more than 50 years.
6. Safety: Allow the building to breathe freely and not fall.



Product Features
Excellent Performance

Performance Comparison	Stone	Ceramic tile	Paint	Aluminum Composite Panel	Terracotta panels	Flexible Stone
Durability	Durable	Durable for 20 years without discoloration	easy to fade	Ordinary	Durable for 20 years without discoloration	**Durable, no Chalking or discoloration over 50 years**
Environmentally	Not environmentally friendly, deforestation	Not environmentally friendly. The production process emits a large amount of carbon dioxide and waste residue	Not environmentally friendly Pollution emissions during the production process	Not environmentally friendly Pollution emissions during the production process	Not environmentally friendly High temperature sintering is required, and a large amount of exhaust gas needs to be discharged	**Very environmentally friendly.** **There is no discharge of "three wastes" during the production process.** **National three-star green building materials**
Fire performance	-	Fireproof	-	Not fireproof	Fireproof	A-grade fireproof
Safety	Unsafe	There are safety hazards	safety	There are safety hazards	There are safety hazards	**Safe, light and soft, earthquake resistant and crack resistant**
Convenience	Inconvenient construction	Inconvenient construction	Very convenient and fast	Inconvenient construction	Inconvenient construction	**Very convenient and fast**
Expressive	Only stone products	Limited expressive	Limited expressive	Limited expressive	Single color and variety	**The expressive power is very rich. Imitation of stone, wood, leather, and metal can be achieved.**
Cost performance	Expensive, superior stone, market value more than 100 dollars/square	Cheap	Cheap	Expensive	High comprehensive cost	**High cost-effectiveness, easy construction, logistics savings, short construction period, and labor saving**

Analysis of Similar Products

Category	Technical Principles	Quality	Features
Flexible Stone(MCM)	**Inorganic powder modification technology, made by hybridization of environmentally friendly active soil and environmentally friendly polymer**	**superior**	**It combines the durability of inorganic materials with the plasticity of organic materials. Beautiful, environmentally friendly, durable (aging resistance test over 3500 hours), A-grade fireproof.**
Non active powder flexible stone	Made by mixing fine sand/calcium carbonate and propylene lotion	inferior	Applied to exterior walls, it is prone to cracking and discoloration, and its lifespan is similar to that of ordinary coatings; There is a 10 times difference in service life compared to MCMFlexible Stone.
Flexible Stone coating	Material and process of genuine stone paint	inferior	Easily chalking and discoloring. Generally, artificial aging and weather resistance experiments are less than 2000 hours, which is not environmentally friendly.
Cement Flexible Stone	Synthesized with cement and waterproofing agent	inferior	Applied to exterior walls, it will turn alkaline under the action of rainwater, making the building dull and greatly reducing its aesthetics.

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