

Flexible Stone-exterior MCM natural Tiles

Modified Clay Material

New environmentally friendly exterior wall materials



Introduction to Flomary Group

Flomary Group is composed of over 15 years of flexible tile production and research and development experts, over 20 years of adhesive material experts, and over 30 years of equipment experts! We focus on the research and development of interior and exterior wall products, aiming to solve the problems of traditional exterior wall materials that are not durable, easy to peel off, high cost, non fire prevention, and environmental pollution. The factory is located at Industrial Centralized Development Zone, Daying, Suining, Sichuan Province. It covers 40000 square meters and an office building area of over 8000 square meters. It has an annual production capacity of 10 million square meters for new building materials.

Flexible Stone (Soft Porcelain) is a core product under the Flomary brand. It is an environmentally friendly building decoration material formed by the hybridization of environmentally friendly active clay (econic clay) and environmentally friendly polymer.Its academic name is "Modified Inorganic Powder Composite Material", and MCM (Modified Clay Material) is its abbreviation. At its inception, it was commonly known as "Soft Stone" or "Soft Porcelain" because it has the appearance effect of Stone and has the characteristic of softness .









Product introduction

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.

It can be upgraded to imitation stone, imitation animal skin texture, imitation wood texture, etc. Anything that can be imagined, **Flexible Stone** can be achieved. The time for environmentally friendly active clay to self harden and form can be achieved. Long, And long-lasting weather resistance

Safe and environmentally friendly

毛面花岗岩 Rough Granite

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：2.5-5.5mm

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



浅灰色 Light gray 052



米白色/Off white 100



灰色/Gray 0622



米黄色/Beige 215




FLOMARY
RESTAURANT
FRESHNESS
鮮源
海鮮
DRINKBAR



木纹浇筑板Wood Concrete Board

常备规格/Regular size：600*2700mm、1200*2700mm
厚度/Thickness：2-5mm

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



米白色/Off white 100

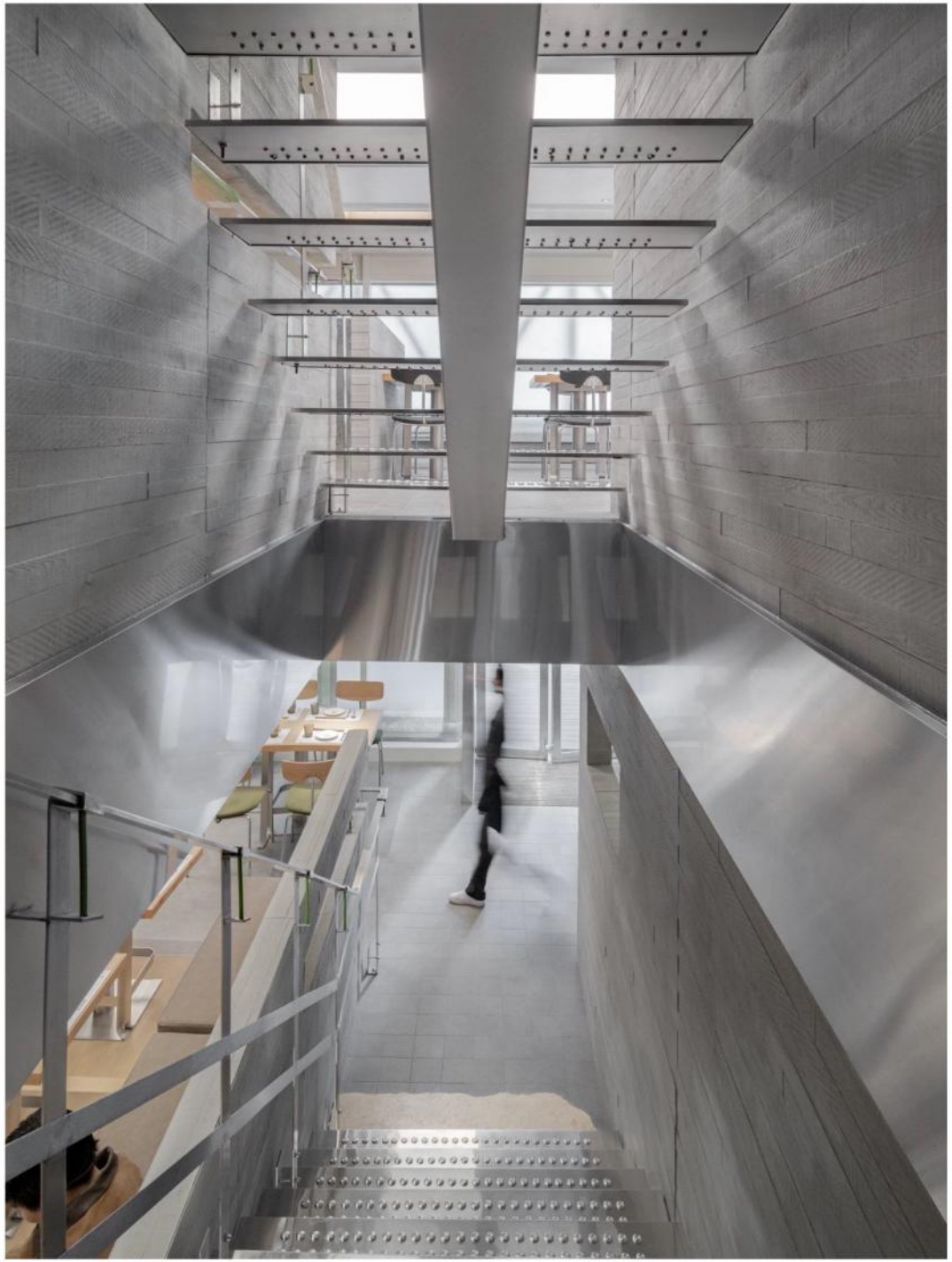


灰色/Grey 130



灰色/Gray 0622






FLOMARY
M Stand
M Stand
JOIN US

洞石马赛克Travertine Mosaic

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：2-10mm

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



米白色/Off white 100



米黄色/Beige 215



灰色/Gray 0622



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粗纹线石 Line Stone Board



常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：3-10mm

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



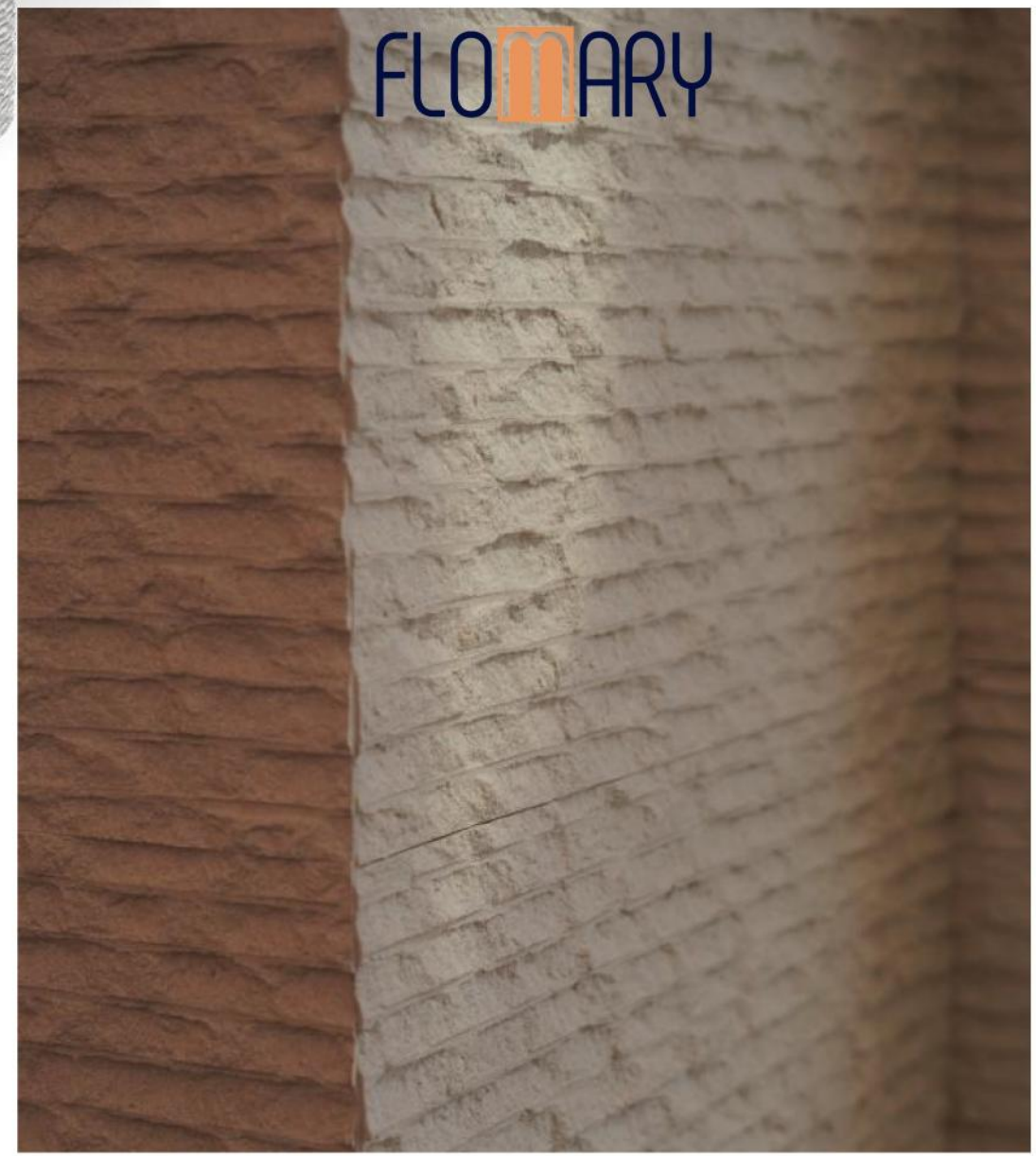
米白色/Off white 100

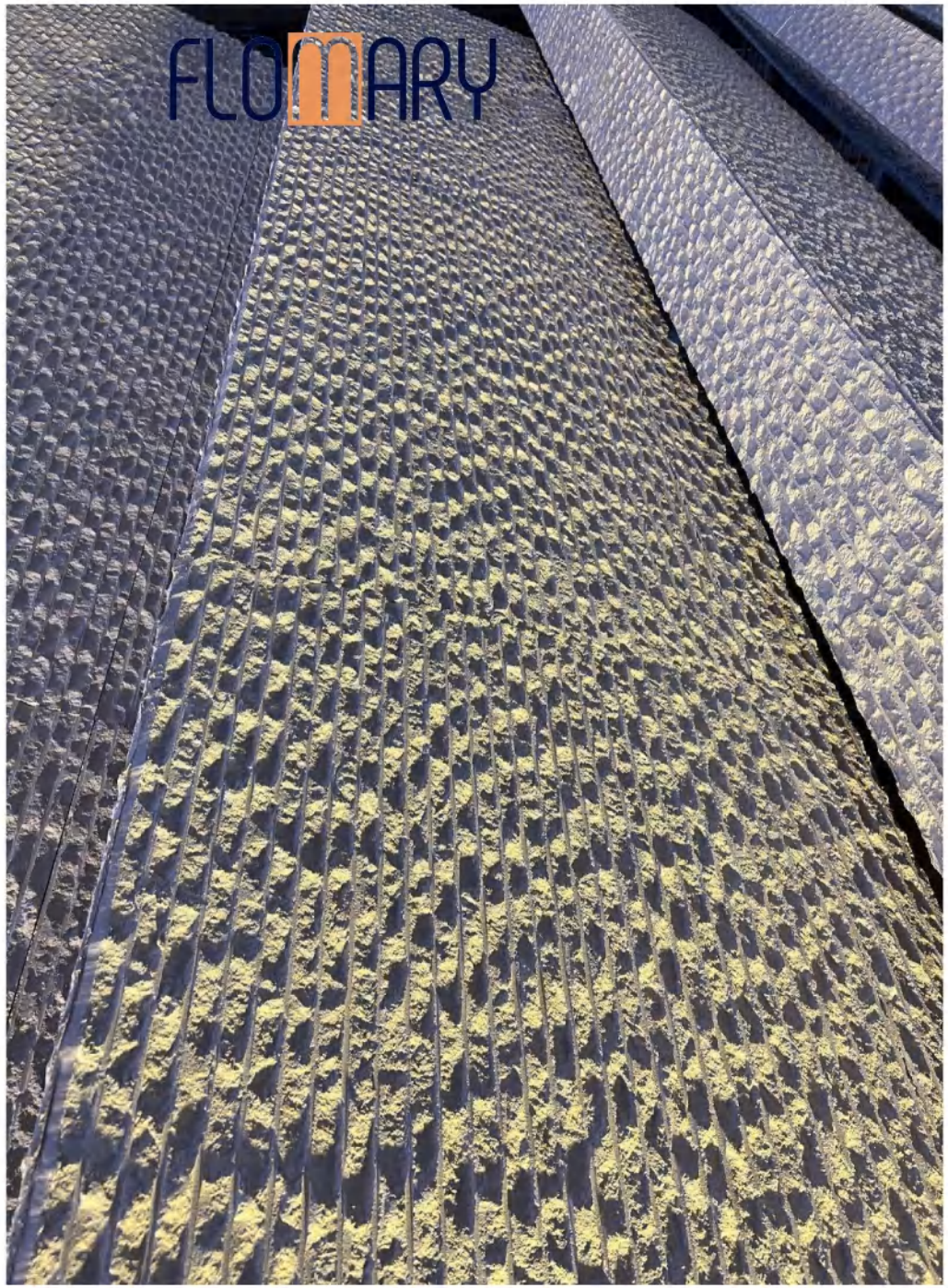


灰色/Grey 130



黄色/Yellow 240

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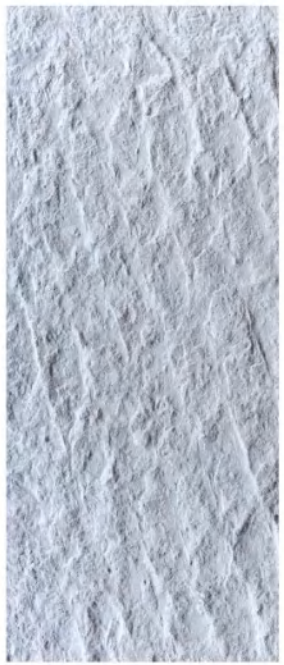
星月石 Starmoon Stone

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：3-10mm

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



米白色/Off white 100



灰色/Gray 1371



米黄色/Begie 215



卡其色/
Khaki 058






FLOMARY

新线石Fine Line Stone Board

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

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



米白色/Off white 100



中灰色/
Medium Grey 107

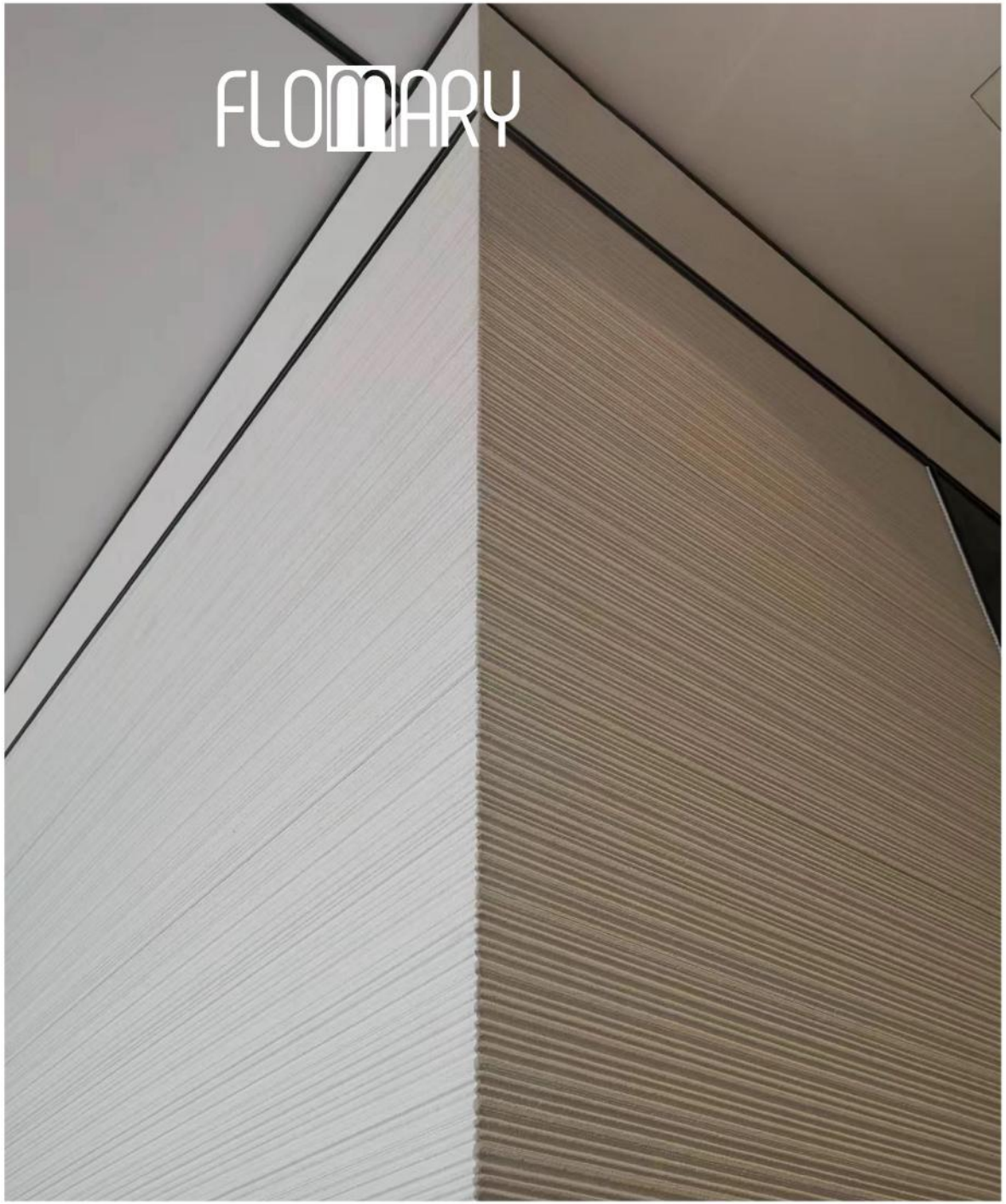


灰色/Gray 1272



米黄色/Begie 215

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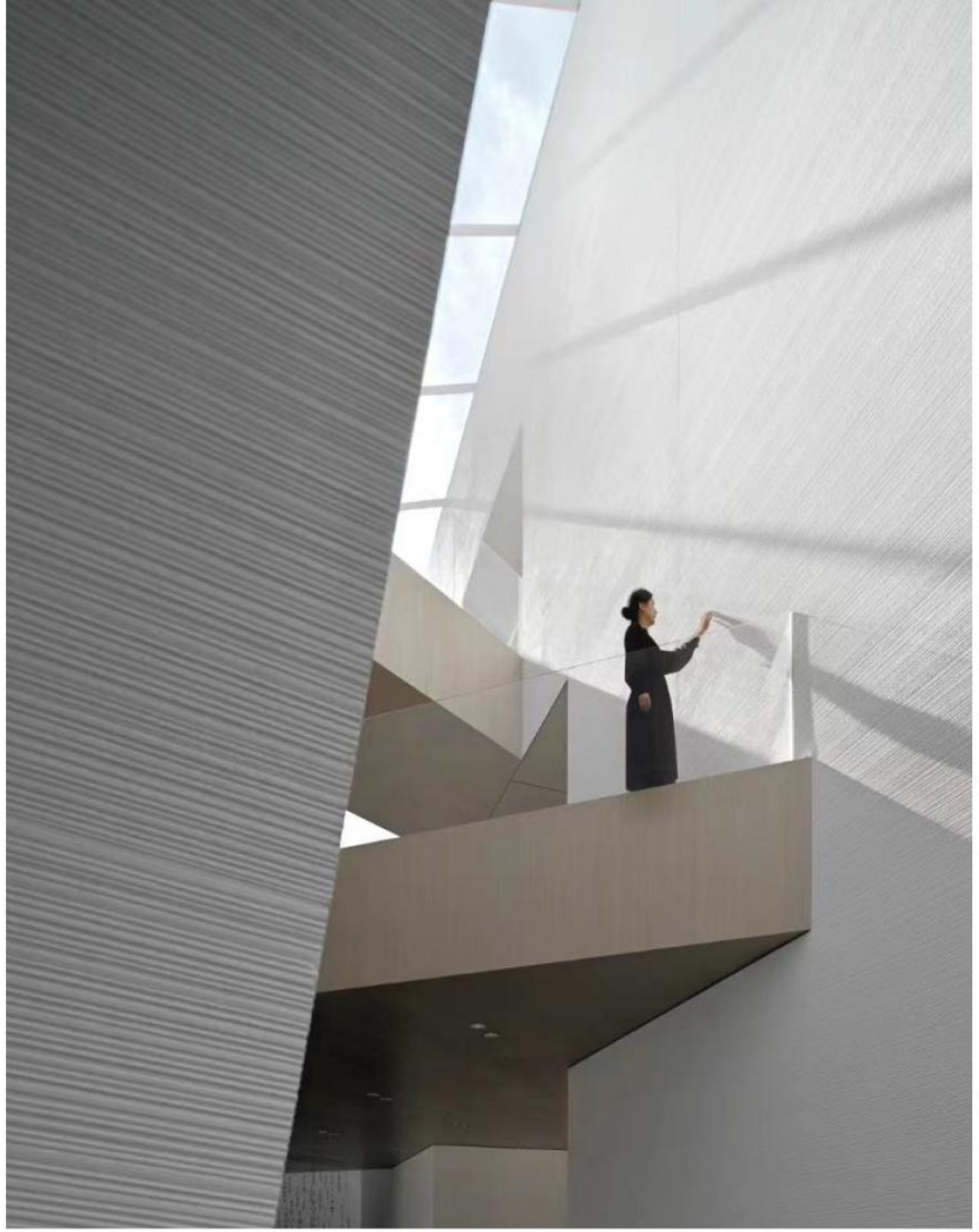

斧凿石 Rockcut Stone

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：2-8mm

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



米白色/Off white 100



米黄色/Begie 215



中灰色/Medium Grey 107



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阿曼线石 Oman Linear stone

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：4-10mm

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



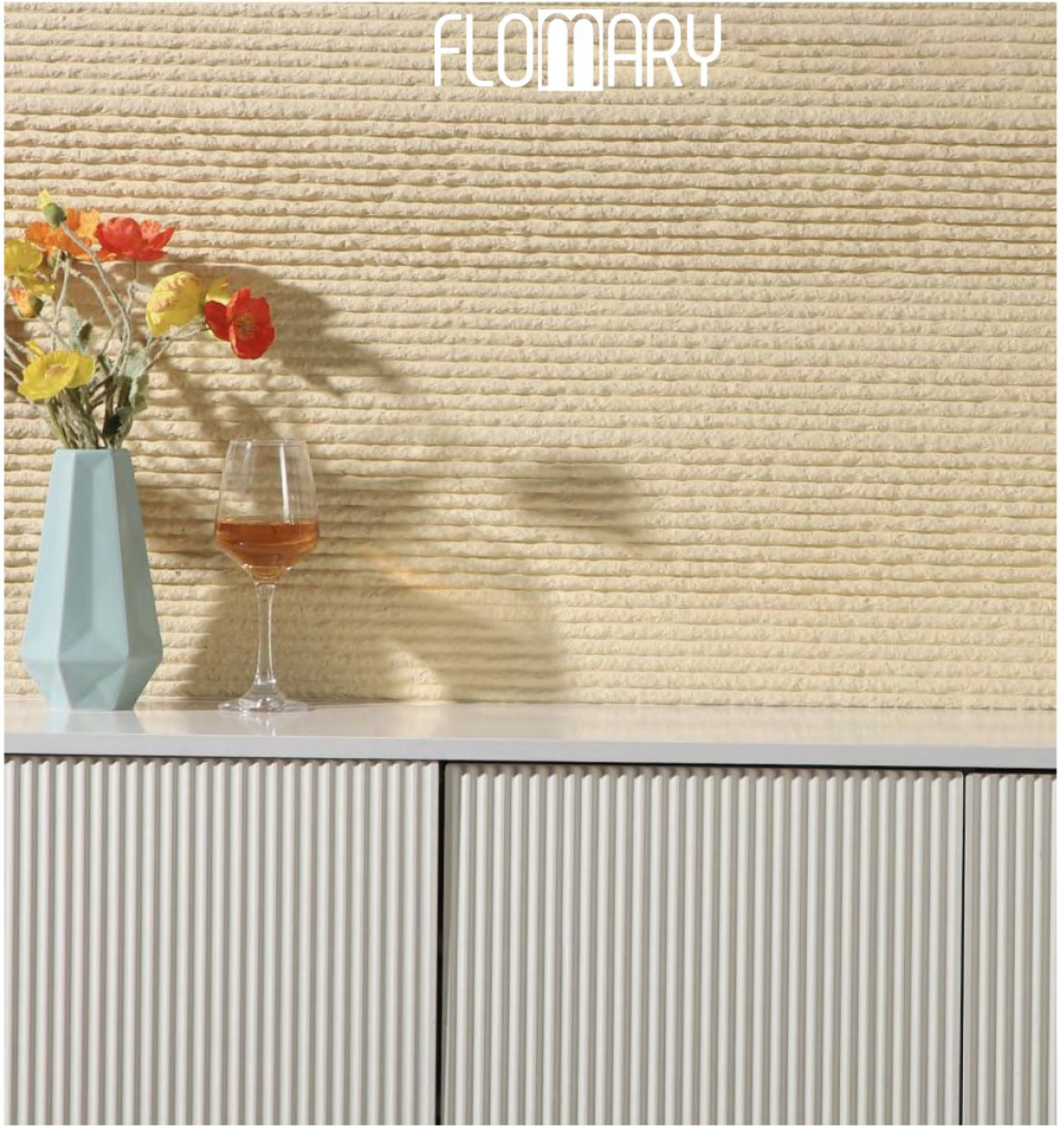
米白色/Off white 100



黄色/Yellow 240



蓝灰色/Gray 1272



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锯台木纹 Sawing wood

常备规格/Regular size：600*3000mm、1200*3000mm
厚度/Thickness：3-7mm

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

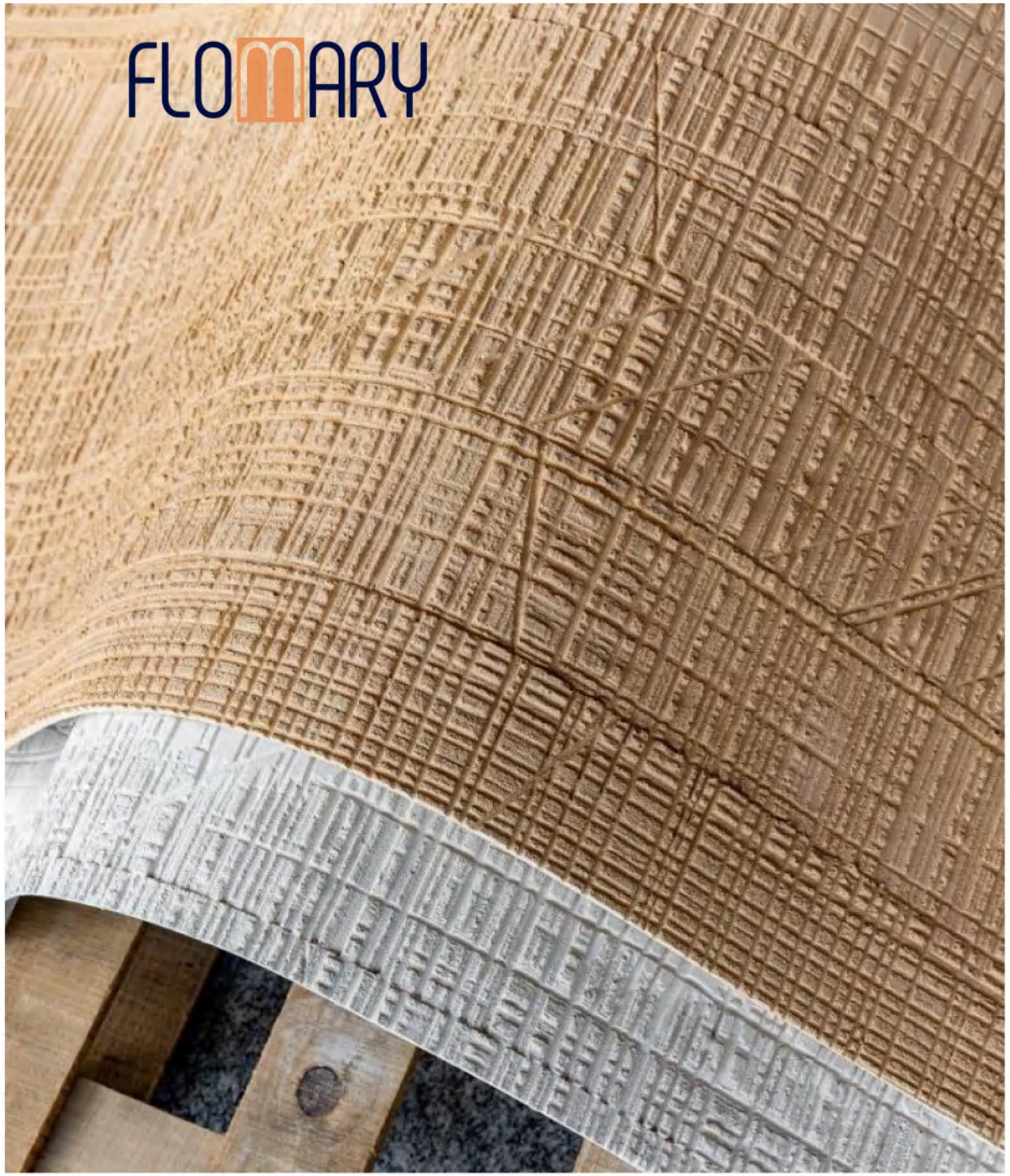

米白色/Off white 100

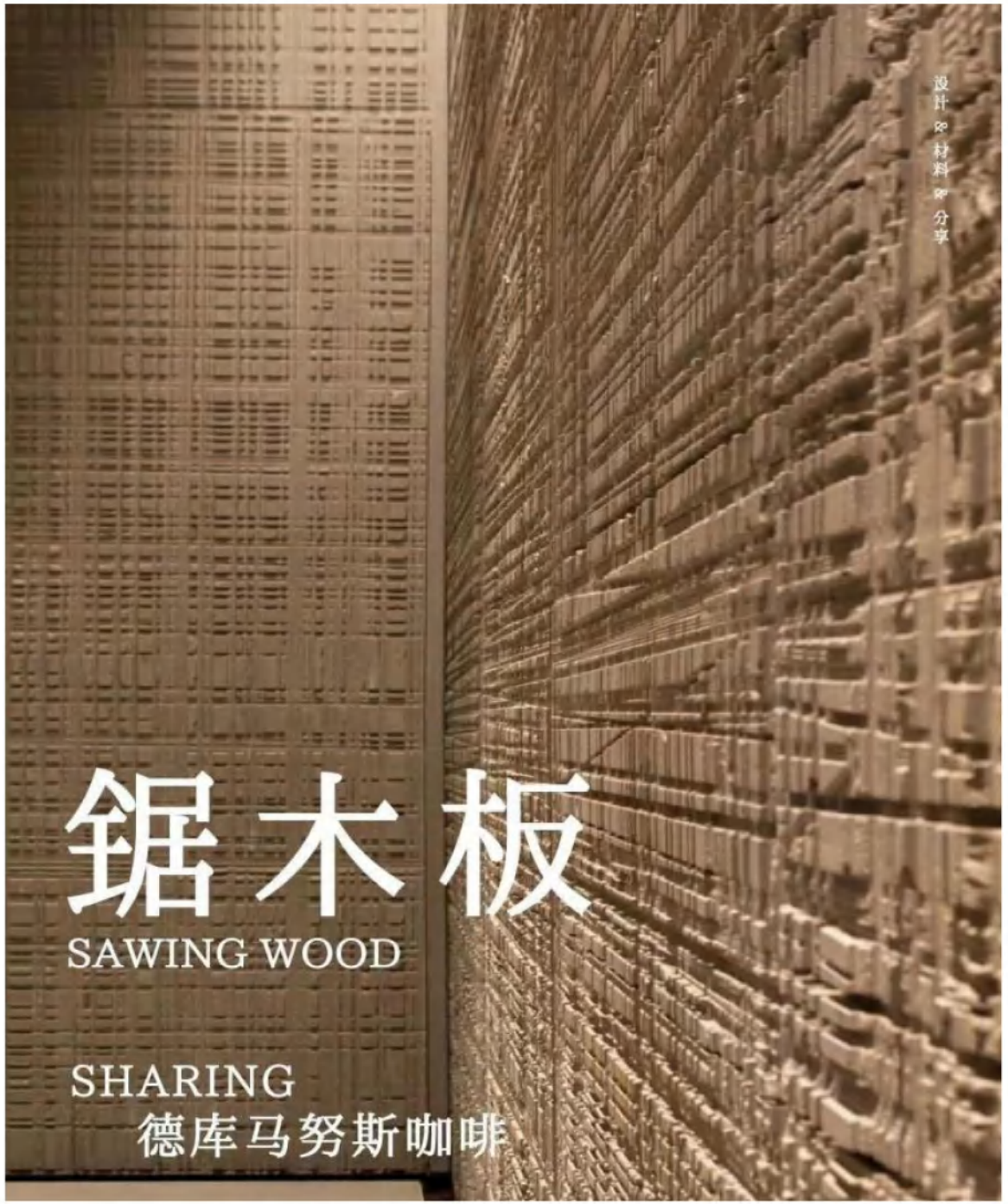

桦木色/Birch color 086


深棕色/Dark brown 062


深灰色/Dark Grey 043




FLOMARY


设计 材料 分享
锯木板
SAWING WOOD
SHARING
德库马努斯咖啡

水波纹板 Ripple Board

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：2-8mm

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



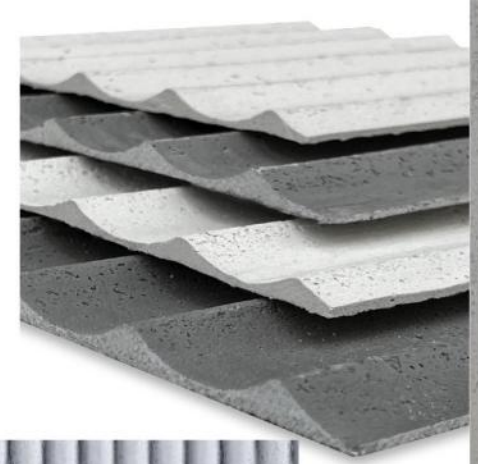
米白色/Off white 100

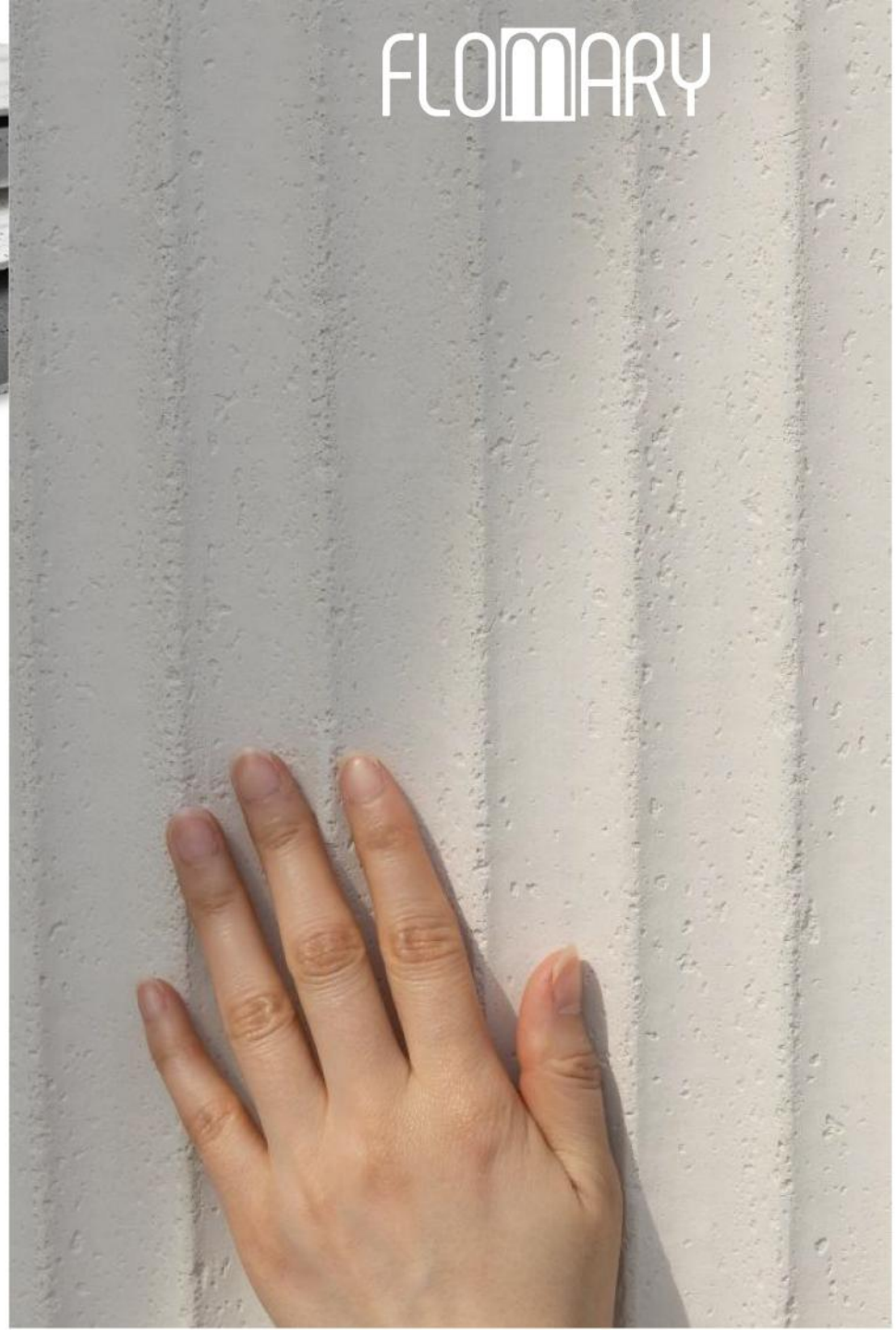


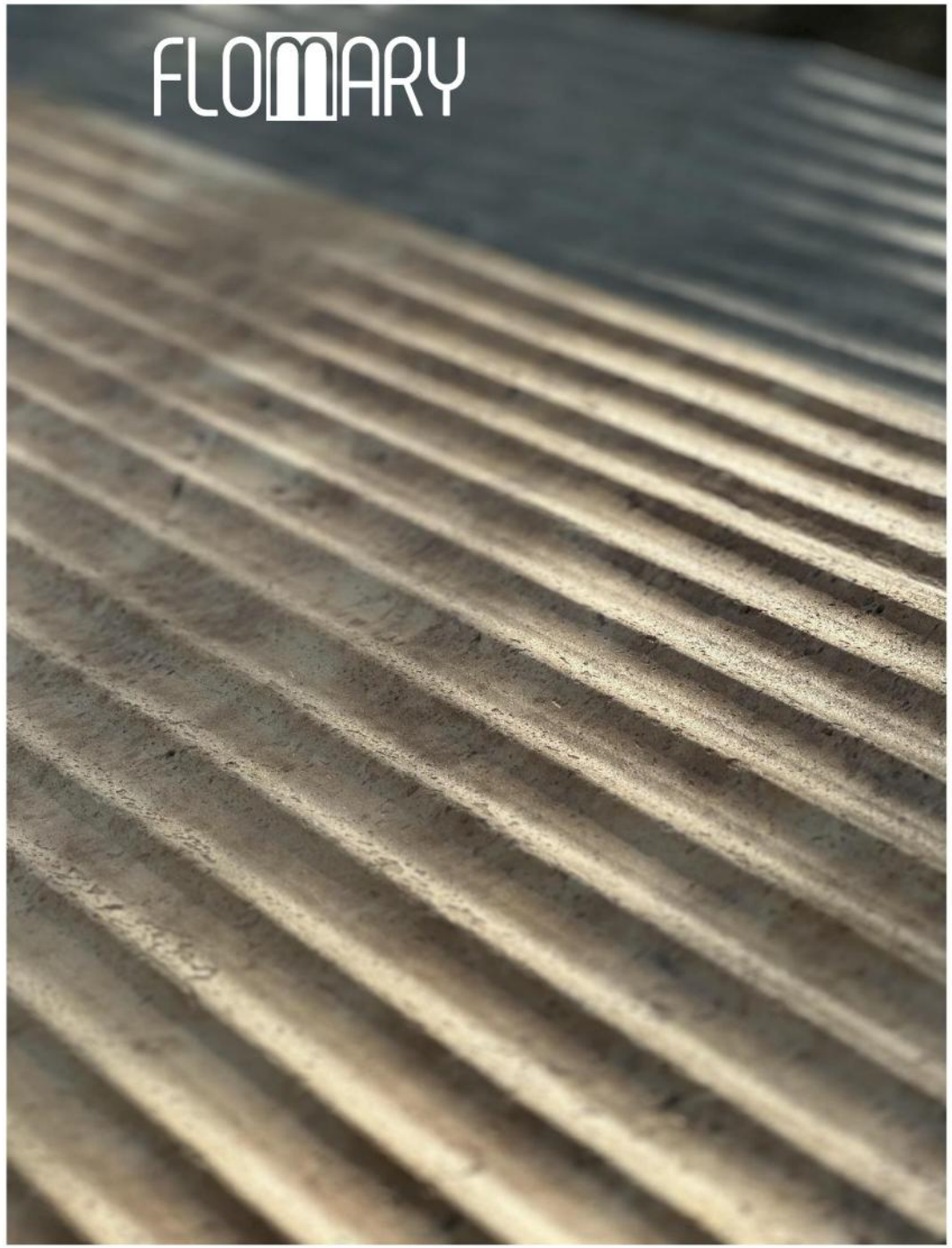
中灰色/Medium Grey 107



灰色/Gray 1371



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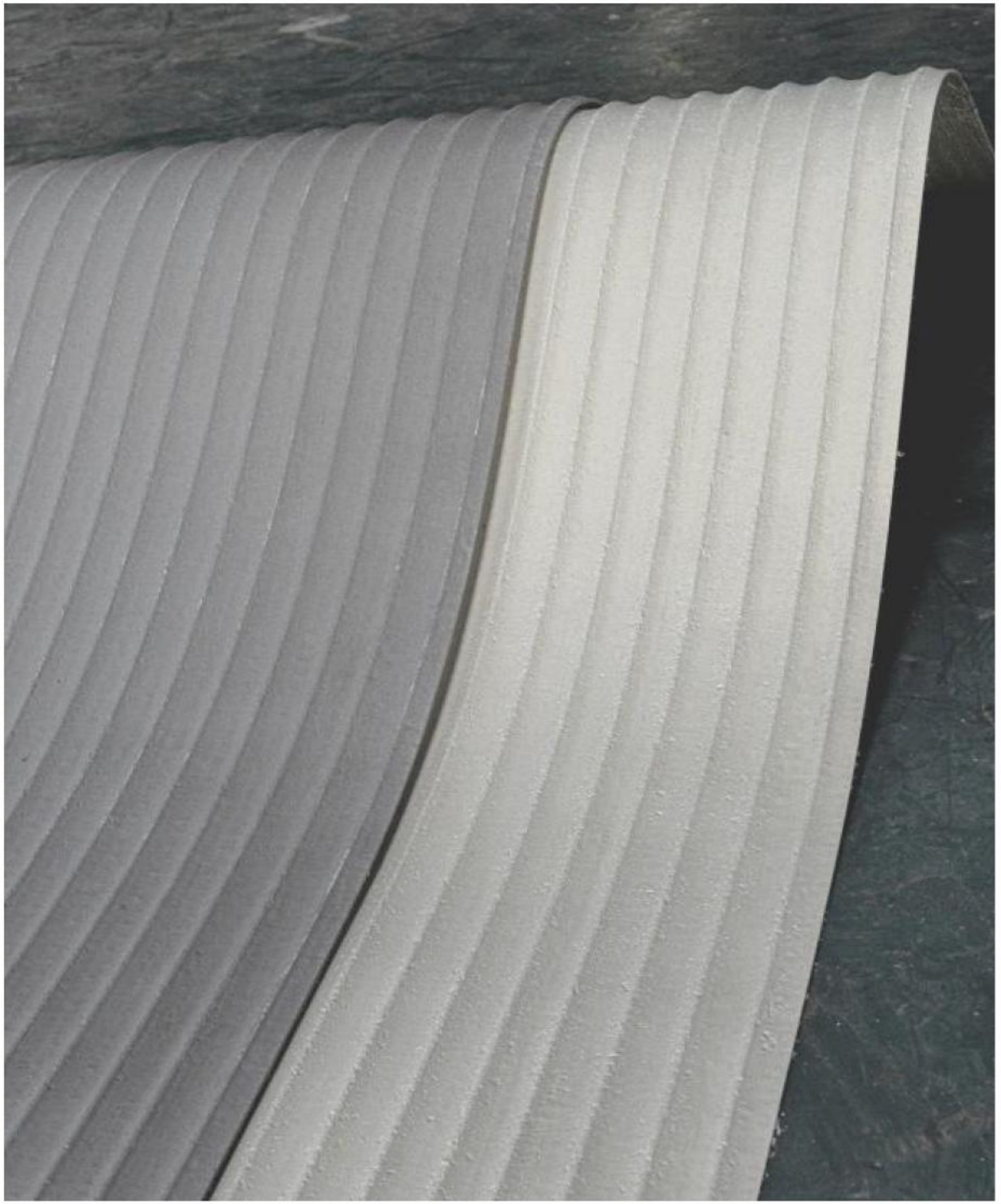
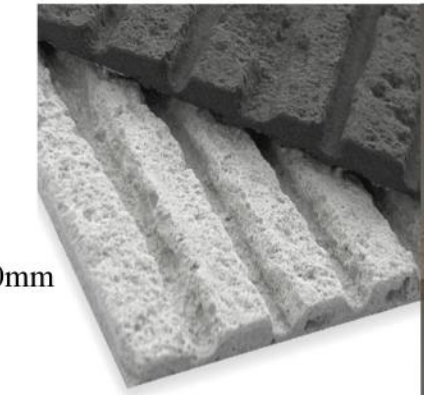


阡陌石 Square Line Stone



常备规格/Regular size：600*1200mm、1200*2400mm、1200*2700mm
厚度/Thickness：3-10mm

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



米白色/Off white 100



米黄色/Begie 215



灰色/Gray 1371



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麻编 Weaving

常备规格/Regular size：600*1200mm、600*2400mm、1200*2400mm
厚度/Thickness：3-5mm

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



米白色/Off white 100



黄色/Yellow 240



中灰色/
Medium Grey 107



橙黄/Orange 823




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脉络石 Round Line Stone

常备规格/Regular size：600*1200mm、600*2700mm 、1200*2700mm
厚度/Thickness：4-9mm
不限于以下颜色
Not limited to the following colors



米白色/Off white 100

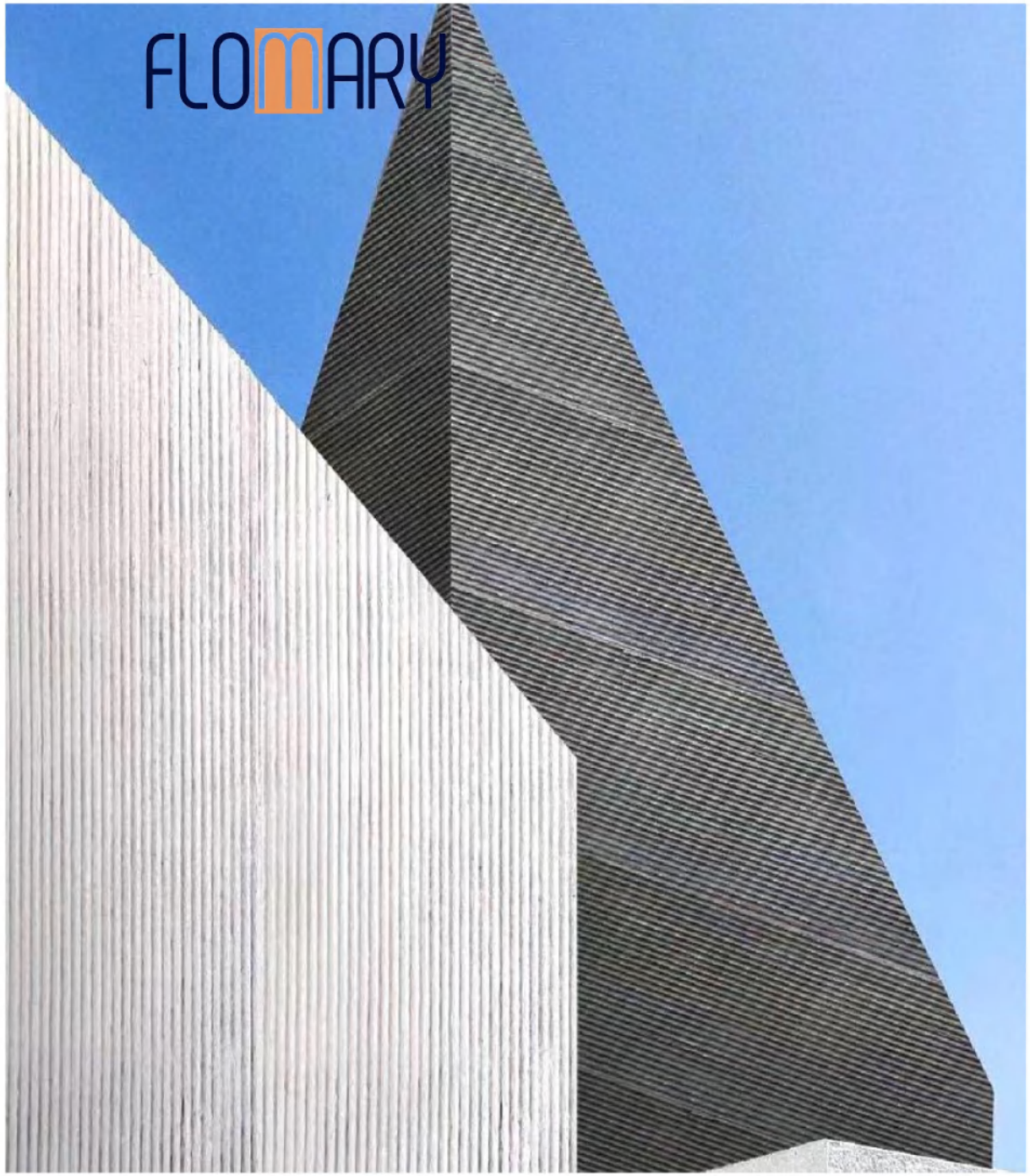


深灰色/Dark Grey 043



米黄色/Begie 215

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水泥浇筑板 Concrete Board

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

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


米白色/Off white 100

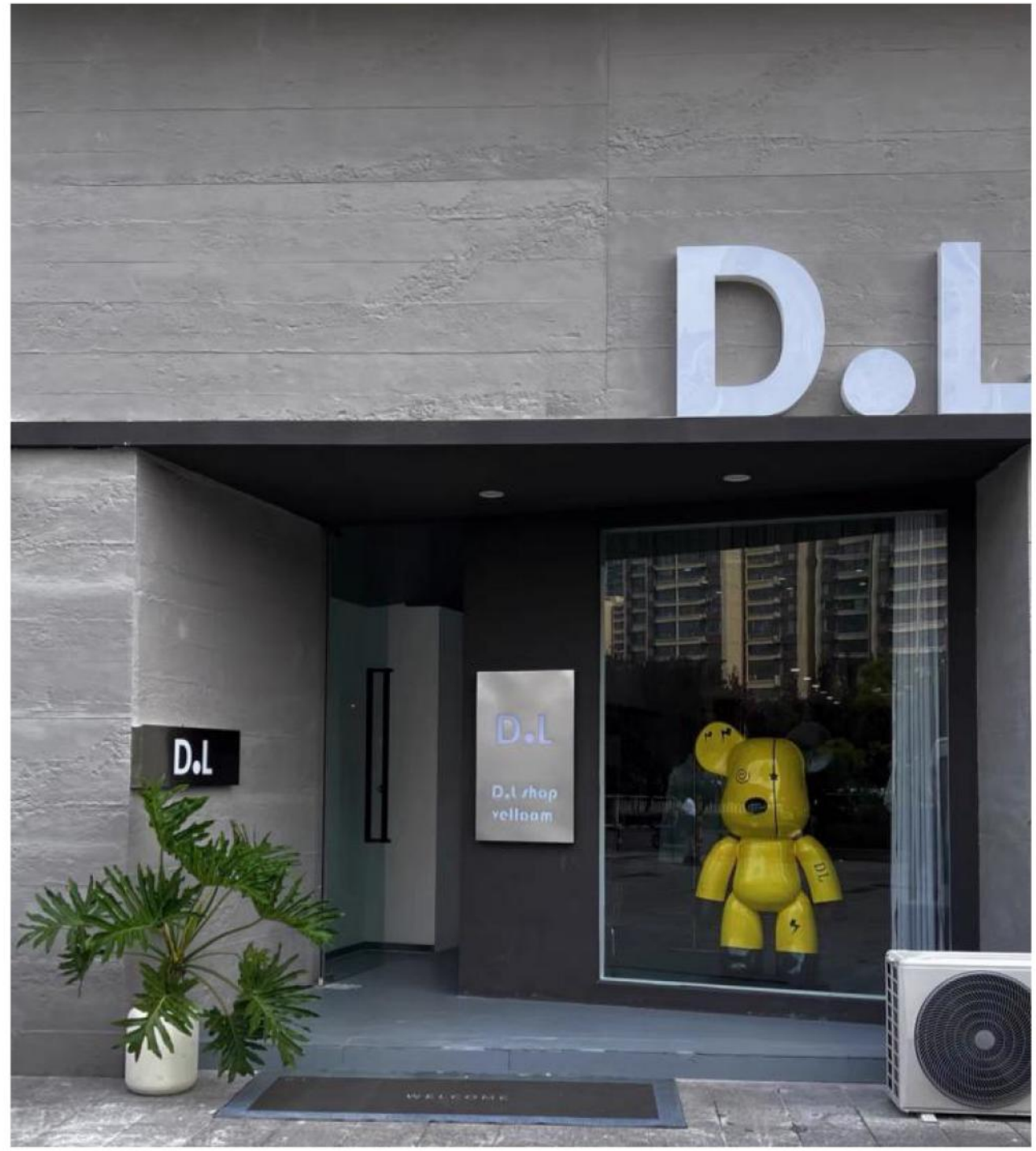

中灰色/
Medium Grey 107


水泥灰色/Grey 725


灰色/Grey 130




FLOMARY
INK
craft beer & coffee
INK SHOP
CRAFT BEER & COFFEE


D.L
D.L
D.L
D.L shop
yellooom

英安岩 Dacite

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



米白色/Off white 100



深灰色/Dark Grey 043



米黄色/Beige 215

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洞石 Travertine

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

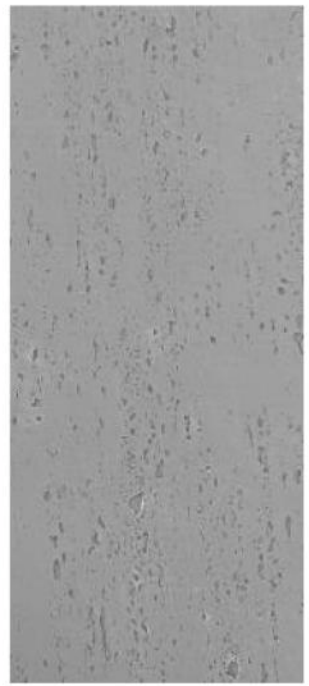
不限于以下颜色
Not limited to the following colors




米白色/Off white 100


浅灰色/Light gray 052


米黄色/Begie 215


蓝灰色/Blue Grey 1272


鎏金色/
White Golden 1112


渐变白色/
Gradient white 871


黄灰色/
yellowish gray 221


罗马黄色/
Roman khaki 1465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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 240

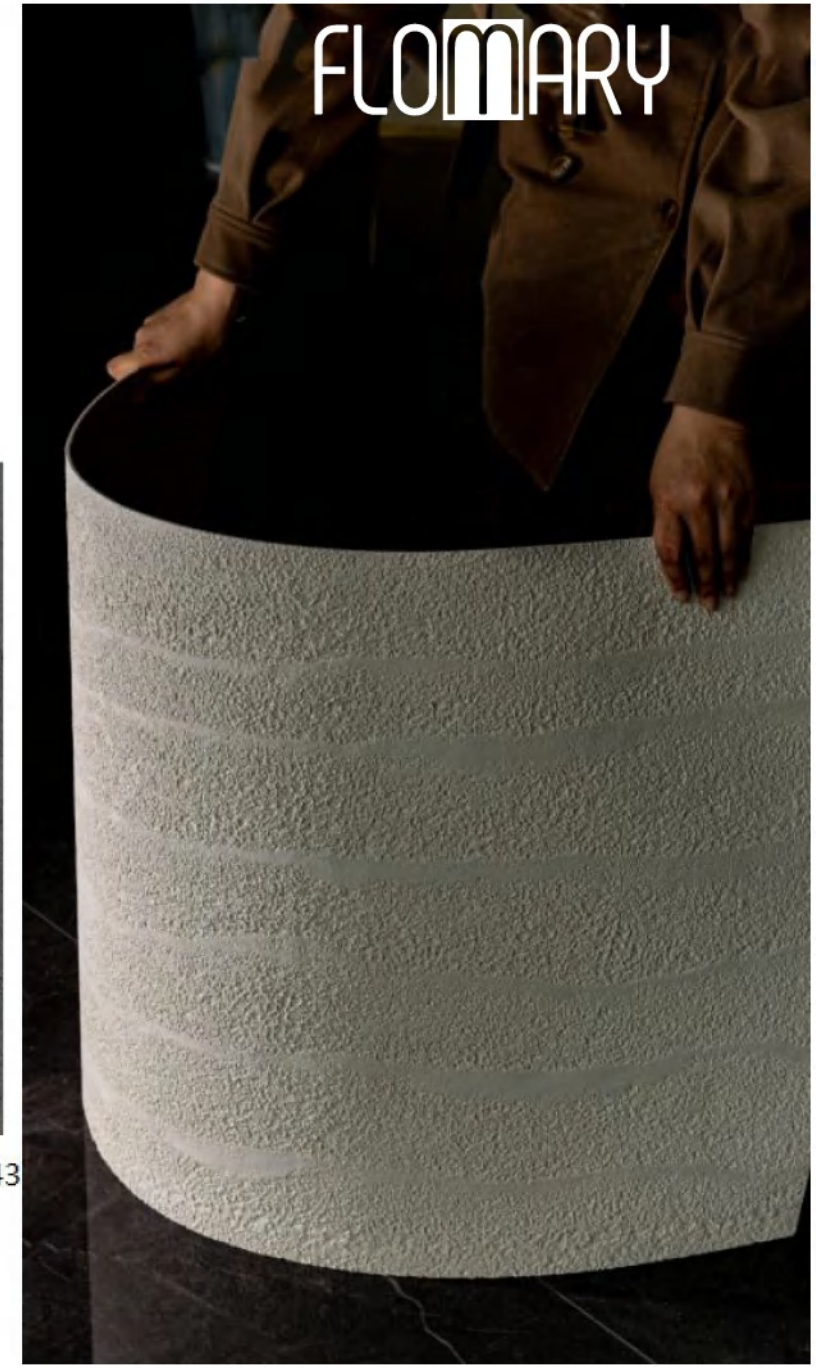

米白色/Off white 100


浅中灰/Light medium gray 0622


橙黄/Orange 823


丹霞红/ Danxia Red 1093


深灰色/Dark Grey 043

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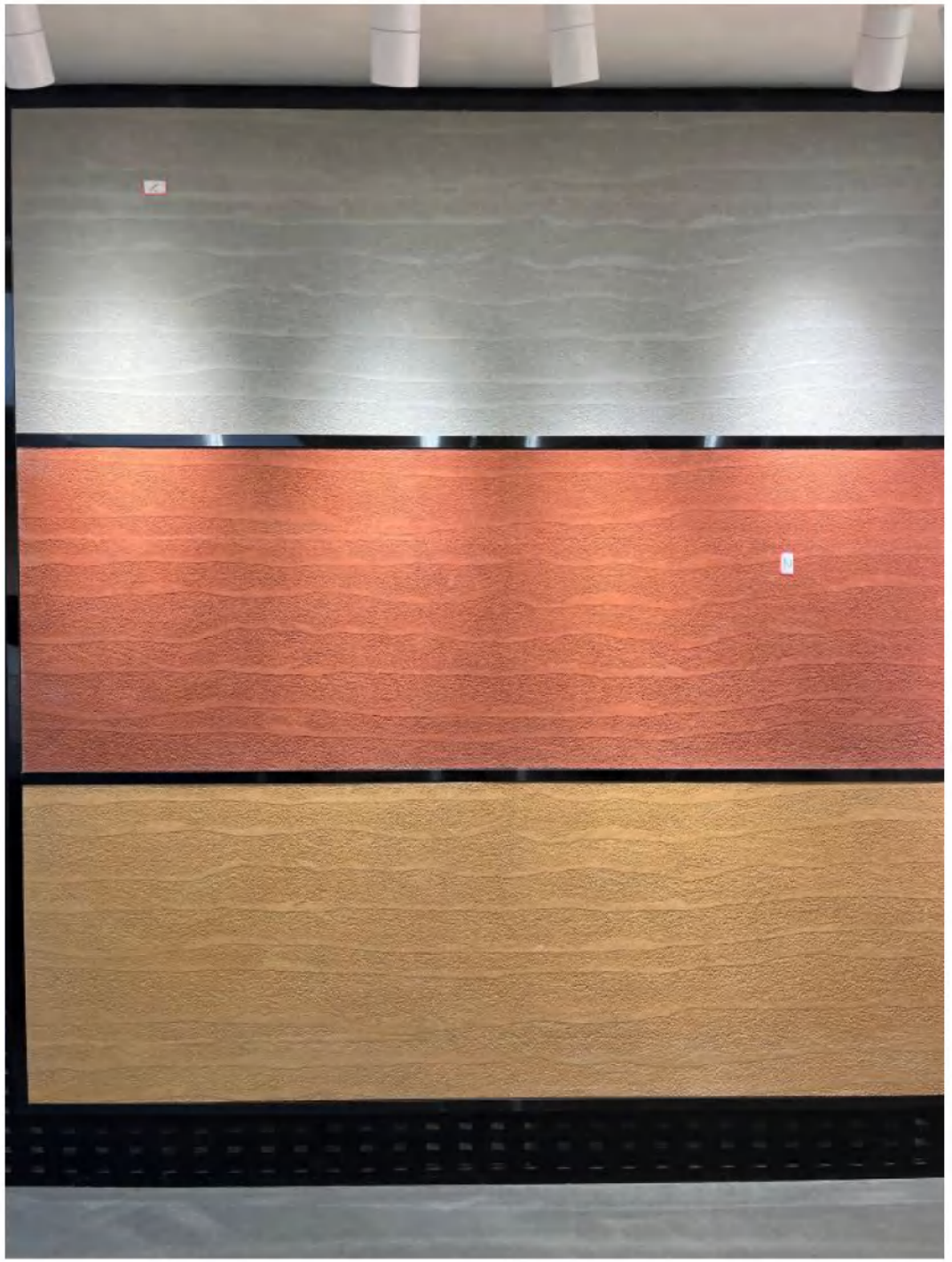
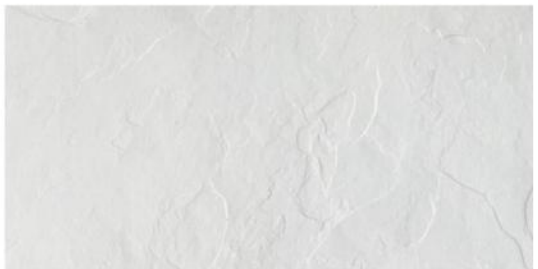


板岩 Slate

常备规格/Regular size: 300*600mm、600*1200mm
厚度/Thickness：3-4mm

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



米白色/Off white 100



米黄色/Begie 215



浅灰色/Light gray 052



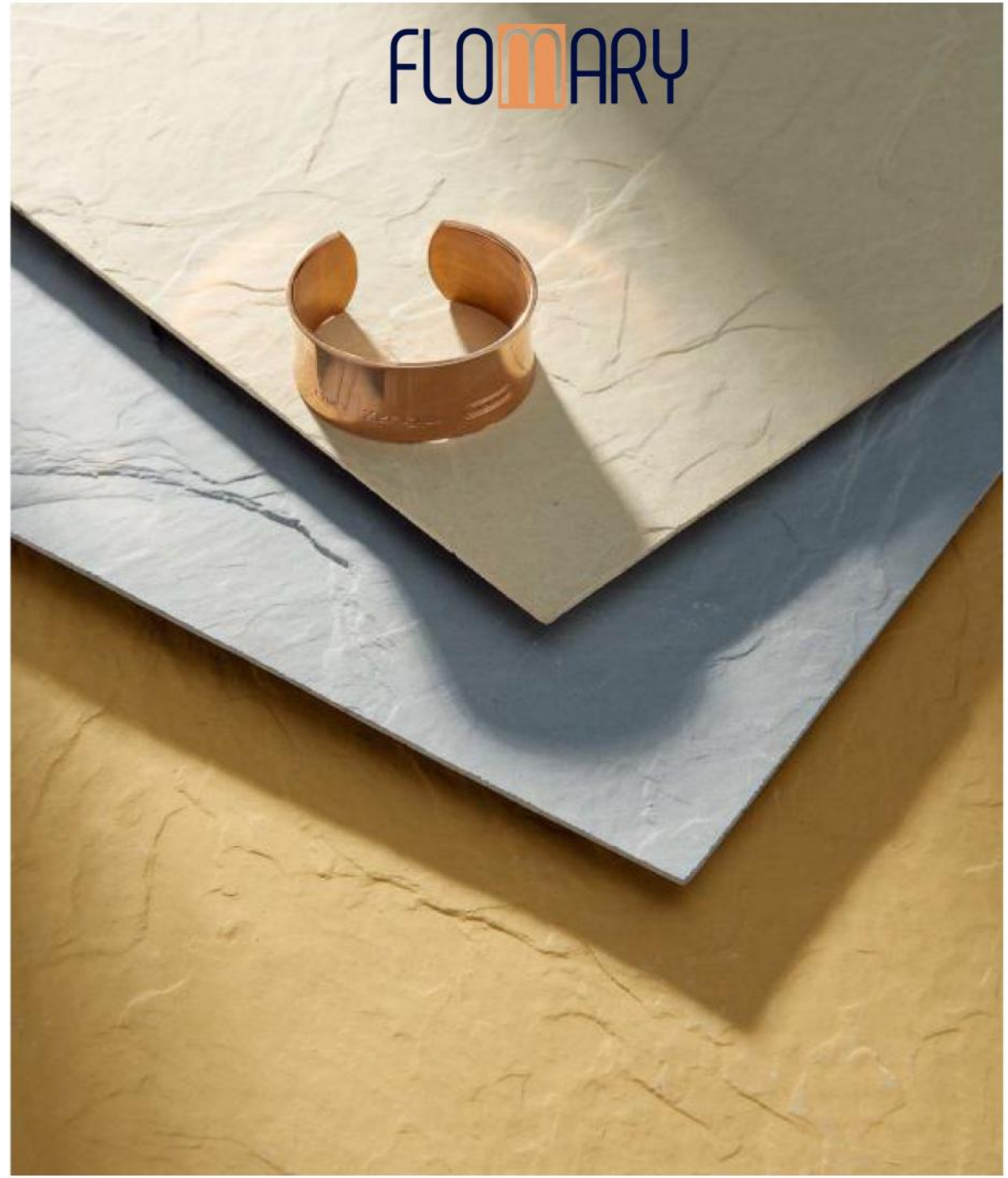
中国红/Red 0224



黄色/Yellow 240

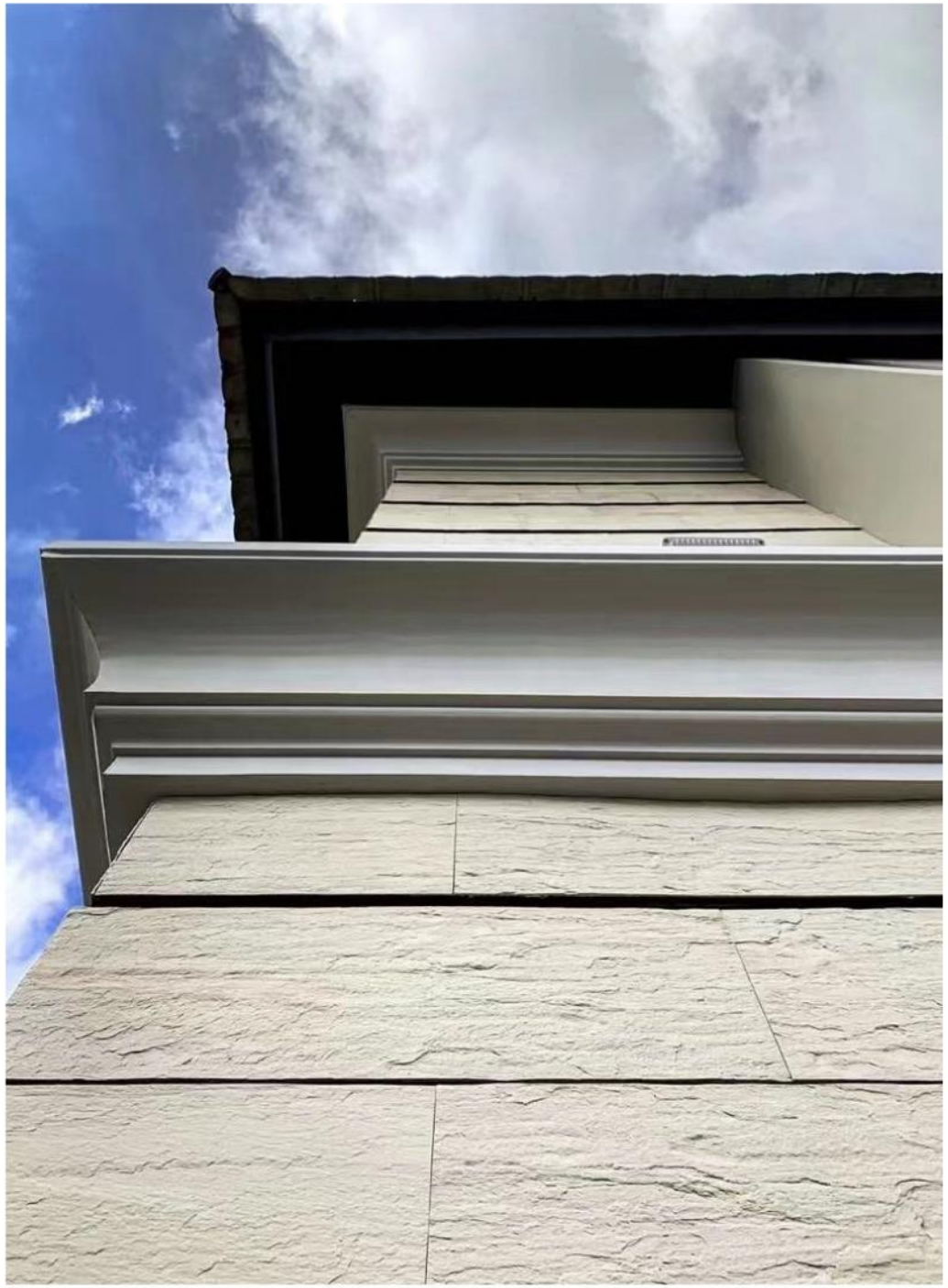


中灰色/Medium Grey 130





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: 300*600mm、600*1200mm、1200*2400mm
厚度/Thickness：3-4mm

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



米白色/Off white 100



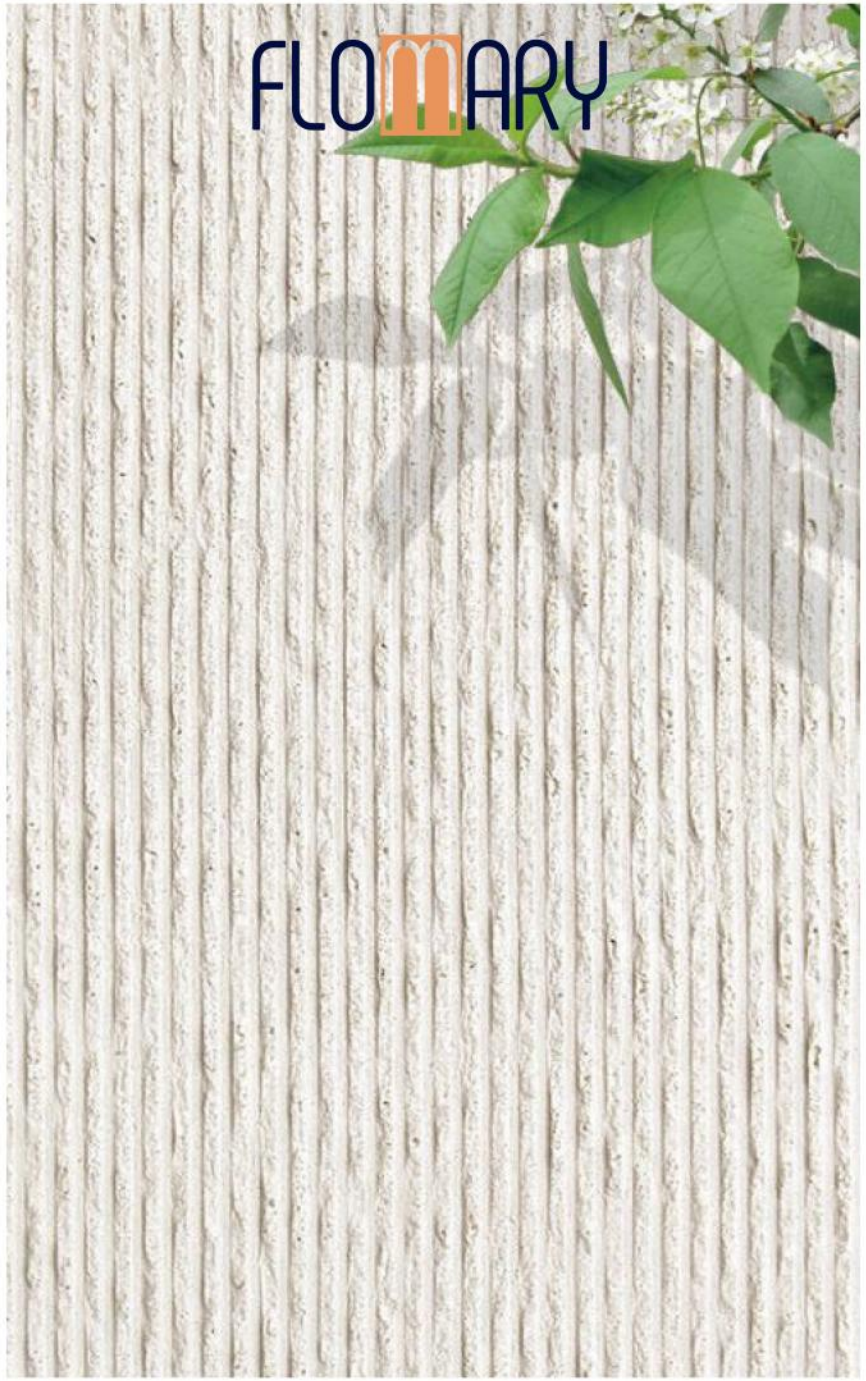
浅米黄/Light beige 0101



棕灰色/Brown gray 112



橙红色/orange red 1084





Good flexbility
and light weight



岁月流水石 Muretto Stone

常备规格/Regular size: 300*600mm、600*1200mm
厚度/Thickness：3-9mm

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



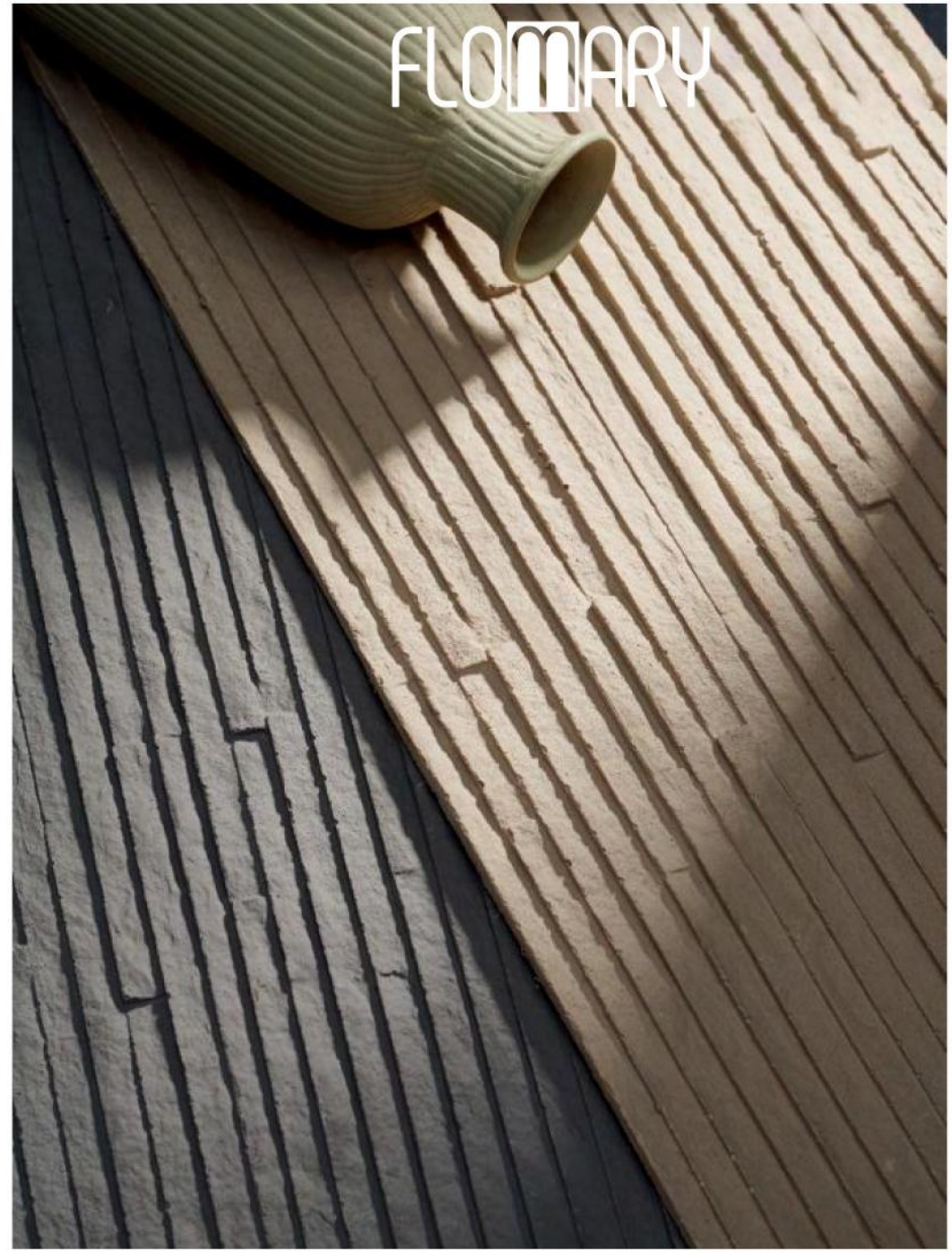
米白色/Off white 100



浅灰色/Light gray 1272



深灰色/Dark Grey 425





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



Good flexbility and light weight

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



FLOMARY

源于自然 臻于艺术

MASTER OF ARCHITECTURE AND FASHION

Master of Green Architecture Fashion Art

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





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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



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.**

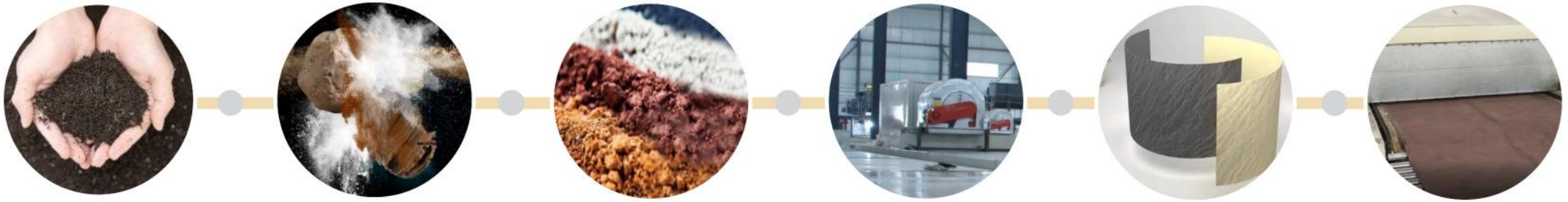
Modification: **After the raw materials are fully crushed, the inorganic compound surface is coated with organic activity through spray and other methods. The molecular chain of natural soil is extended by more than 30 rational technologies such as nanotechnology and gamma ray to compound and modify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

1PC=30PCS





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

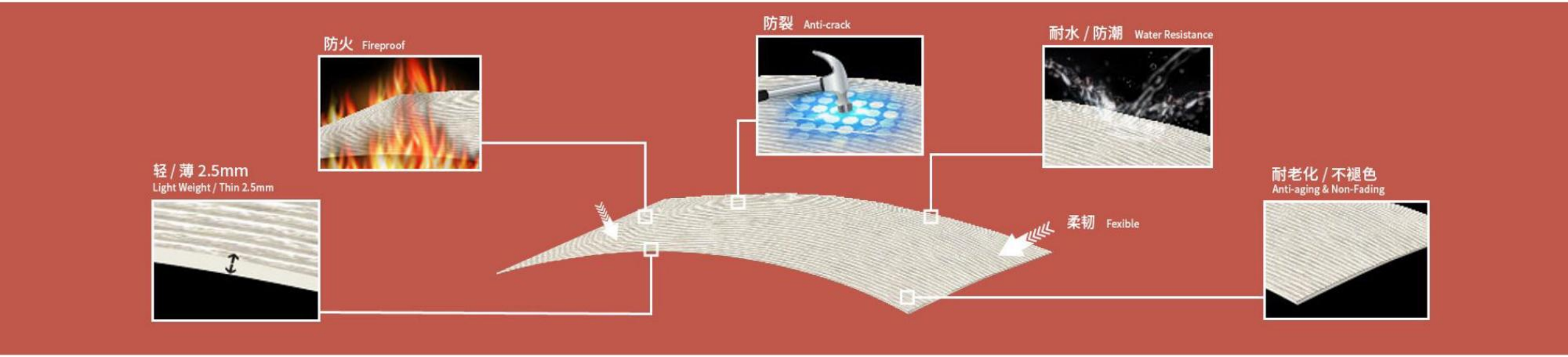
The flexibility and hardness of the finished product are adjusted through curve temperature and modifiers

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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