# ELEMENTUM SURFACES™

# Econi**Clay**™
# eCoveing

## 2024 Product Catalog

ELEMENTUM SURFACES | PHOMI EconiClay™ USA

Product Catalog (Short). July 2025.

## About US

We are ELEMENTUM-SURFACES™, forerunner of eco-environmental material science！ EconiClay™ founded in 2008，focusing on the research, development and production of econiclay based materials, we are committed to providing carbon-neutral material solutions to the world. With start-up mentality we develop up-to-date, sustainable material solutions for new challenges of living on our planet.

We use modern technologies of the digital age, combine them with the knowledge of traditional Handicraftsman-ship to create sustainable, eco-friendly and inspiring materials for the humans in the centerpiece of our minds.

As an technical enabler, we give our material solutions and knowledge to partners to spread it worldwide. How to benefit the entire world with increasing application possibilities of econiclay products, is the responsibility we assume for society and human future.

Our Vision: With our advantages in material science and technology, we aspire to shape a sustainable world together with more partners. We believe that it is human nature to shape the world in the best way possible. From the first hut in ancient times to a blue planet worth living on for everyone in the future. Therefore, we are going to develop and deliver the best materials, from econiclay for building to semiconductor electronics for informations …



# econiclay Covering (eCovering)characteristic at Different Development Stages

| Generation | 1.0 2008 - 2012 | 2.0 2013 - 2021 | 3.0 2022 - 2023 | 4.0 2023 - | 5.0 2024 - |
|---|---|---|---|---|---|
| Industry description | **Soft Ceramic Tiles** In 2008, the world's first soft ceramic tile was introduced at the China Ceramic Expo. In 2011, the first provincial standard for soft ceramic tiles, titled《Technical Regulations for Soft Ceramic Tile Building Decoration Materials and Application in Guangdong Province》was published. The following year, standards for soft ceramic tiles were successively released in 16 provinces and cities across China, primarily authore in collaboration with provincial construction institutes. | **Soft Porcelain / MCM** In 2014, the first national standard,《Modified Inorganic Powder Composite Building Decorative Coverings》and its application technical regulations were published. The following year, related standards for soft porcelain (MCM) were successively released in several countries, including Malaysia, India, and Indonesia, primarily authored by Phomi Company in collaboration with the respective national Ministries of Construction. | **eCovering** In line with the global trend towards carbon neutrality, Phomi has outdone iteself again with its newest invention, the world's first near zero-carbon surface material, certified for its carbon footprint by the international recognized organization Bureau Veritas. | | **One-Stop Solution for Zero-Carbon Building Materials** In 2024, the pioneering eBIPV series and eDisplay series debuted at major global events: China Hi-Tech Fair Middle East World Future Energy Summit Europe Smart Energy Exhibition--Intersolar North American building material show Coverings Theses innovations empower smart building and lower carbon emissions. FashionQube's supply chain now covers all categories, offering a one-stop material solution that reduces overall costs by over 20% compared to traditional materials. |
| Quality | **Plain Textures** Performance： 1. Fireproof Class B1, flammable, with strong glue odor. 2. Features a soft single-layer fabric net on the back, but its limited breathability may lead to bubbling after installation. | **Plain & Fambe Texture** **Back facing** Performance 1. Fireproof Class A2, with slight glue odor. 2. Patented technology CN 205000582 U, integrating multiple layers of fabric net to reduce requirements for surface flatness. 3. Enhanced breathability minimizes the risk of bubbling after installlation. | **Digital Printed Texture** **Back facing** Performance 1. Fireproof Class A2, odorless. 2. Integrated with multiple layers of fabric net. 3. Enhanced product precision. 4. Stain-resistant and self-cleaning. | **Digital Printed Texture** **Back facing** Performance 1. Fireproof Class A1, odorless. 2. Uniform thickness with a single-layer fabric net. 3. Standardized product and digital quality control. 4. Stain-resistant and self-cleaning. | **eBIPV** Customized eCoverings (stones, woods, bricks etc.) **integrated Solar Cell** **econiclay adhesive coating** Customized Hanging Panel Customized Power-generating eCoverings Customizable display area **eDisplay** **Provide one-stop material solution** |
| Specification | 240x60 (mm) 600x300 (mm) 1200x600 (mm) Thickness:Flat facing 1-2mm | 240x60，600x300， 1200x600，2400x1200 (mm) Thickness:Flat facing 2-3mm Concavoconvex facing 2-7mm | 1200X600，2400X1200，2700X1200，360X120 (mm) Thickness:Flat facing 2-3mm Concavoconvex facing 2-7mm | More specification to match with difference scene. Thickness:Flat facing 3-5mm Concavoconvex facing 2-6mm | Exterior: 1200x600 Interior:2700x1200 Standardized+Customized |
| Application Technique | Wet installation: 1. Gaps must be left and filled due to uneven thickness. 2. Due to the thinness and flexibility of the product, a high degree of surface flatness is required. | Wet installation: 1. Gaps must be left and filled due to uneven thicknesses. 2. The product surface is prone to contamination during the filling process. | Wet installation & Dry Hanging Systems: 1. Wet installation allows for a close fit. 2. Dry hanging products provide a curtain wall effect. Dry hanging products include: composite insulation panels, aluminum panels, honeycomb panels, galvanized panels, or fiber cement boards. | | Following *Dry-Hanging Curtain Wall Engineering Design and Installation Guide* can reduce overall project costs by over 20%, empower smart buildings, and significantly reduce carbon emissions. |

# Special Notes

## Knockoff products status:

1. Knockoffs are limited to Phomi 1.0 and 2.0 products, prone to dirt accumulation.
2. Knockoffs use coating formulas for curing and molding, resulting in aging and fading within 3-5 years.
3. Knockoffs of FashionQube 3.0 products show a noticeable plastic-like texture, blurred patterns, and lack of details.
4. No knockoffs of FashionQube 4.0 products have been identified yet.

## Characteristics of Knockoffs:

· Strong smell of glue
· Rapid flame spread upon ignition
· Emits thick smoke and a pungent odor when burning
· Lack of safety and sustainability

# ELEMENTUM™ eCovering series

## econiclay products comply with"cradle to cradle" advanced material certification standards



material health

clean air & climate protection

product circularity

DESIGN PHASE

MANUFACTURING PHASE

water & soil stewardship

social fairness

CERTIFIED
cradle to cradle
PRODUCTS PROGRAM

### 1.Material Health

econiclay uses natural materials such as soil, stone waste, and non-metallic tailings as its raw materials. A meticulous process of collection, sorting, and screening ensures the quality of these materials. After being transformed into micro-level powders, specialized surfactants are applied to create a protective, multi-layered network structure, effectively preventing the release of harmful substances. This commitment to material quality guarantees that econiclay products are free from any harmful residues or emissions.

### 2.Product Circularity

The econiclay products are easy to recycle for reuse after they're no longer preferred. They don't break down into harmful substances, making recycling practical. Mixing econiclay with other materials can create durable and flexible products, reducing the need for plastic and extending product lifespans. This conserves resources and supports recycling.

### 3.Clean Air & Climate Protection

Our plant uses self-generated green electricity/steam as energy source and produce at low temperatures, reducing reliance on fossil fuels and helping decrease greenhouse gas emissions. The entire production process is environmentally friendly with no smoke, harmful gases, or wastewater released. econiclay's inorganic properties ensures that it doesn't emit harmful gases during use or recycling, contributing to cleaner air.

### 4.Water & Soil Stewardship

The econiclay production process conserves water resources by utilizing steam, which is efficiently transformed into production water during the condensation process. Simultaneously, the production process generates zero wastewater, making a positive contribution to the conservation of water resources. Importantly, econiclay products, being non-vitrified inorganic materials, have no detrimental impact on the soil after their lifecycle concludes, ensuring the long-term health of the land.

### 5.Social Fairness

The production process of econiclay products is designed to minimize waste, noise, and the release of harmful substances, ensuring that both workers and neighboring communities are not negatively impacted by hazardous materials or poor environmental conditions. Utilizing low-temperature manufacturing and self-generated green electricity/steam as an energy source also helps reduce environmental pollution, fostering social equity. Implementation of carbon-neutral measures further supports social sustainability.
The econiclay products boast a Class A fire rating, enhancing fire safety in application areas and thereby increasing community safety, ultimately contributing to social equity.

## The full life cycle of eCovering



### Zero carbon footprint for raw materials
The basic raw materials are based on inorganic solid waste such as urban construction waste, soil/stone/ceramic scraps, and non-metallic tailings.

### Transportation
eCovering 4kg/㎡ versus natural stone 70kg/㎡, Reducing 94% of the energy consumption during transportation.

### Production process
100℃ molding process with green electricity and heat cogeneration

### Endless recycling
When dismantled, ecoveing will spontaneously develop into small pieces and return to mother nature without detrimentally affect the soil. Plant roots can easily enter the debris and grow, because the material has a self-respiratory function and maintains a specific water absorption rate.

CERTIFIED
cradle to cradle
PRODUCTS PROGRAM

# ELEMENTUM™ **Phomi econiclay** 2024 Products Series

| STONE SERIES | WOOD SERIES | BRICK SERIES | WEAVING SERIES |
|---|---|---|---|



# ELEMENTUM™ **eCovering** Core Value

## High value and durability

eCovering showcases the texture and color of natural materials. Based on the inorganic-organic hybrid structure, it has excellent UV-resistant qualities. The service life of eCovering is several times longer than that of PVC wallcovering and flooring, reducing the frequency of replacement and the waste of resources.

## Replacement of energy-intensive materials

The unique active valence bonds and low-temperature molding can create more functional products to meet the needs of different settings, becoming an ideal substitute for traditional materials such as tiles, stones, cement, wood, leather, plastics, etc.

## A1 fire rating

Based on inorganic properties, it has a fire resistance rating of A1, providing a better safeguard compared to flammable plastic and wood surface materials.

## Environmental Protection and Sustainability

1. Not relying on specific mineral resources diminishes the adverse impact of resource extraction on the environment.
2. Low temperature molding process decreses energy consumption and the low temperature molding process decreses energy consumption and eliminates waste gas emissions and wastewater disposal.
3. Inorganic solid waste can be reused and recycled, greatly limits the negative impact on the environment.

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ELEMENTUM™ Phomi econiclay passed
**the international authoritative organization BUREAU VERITAS
Product Carbon Footprint Verification Certification**



The carbon emission of $1m^2$ of ELEMENTUM™
Phomi econiclay is **1.02kg $CO_2e$**.

eCoverings reduce compared to **tiles** — **95.4%** $CO_2e$

eCoverings reduce compared to **stones** — **98.63%** $CO_2e$

Material technology integrated with 3D-tech empowers traditional stone industry for transformation

Stone Series

Material science that shapes the future.
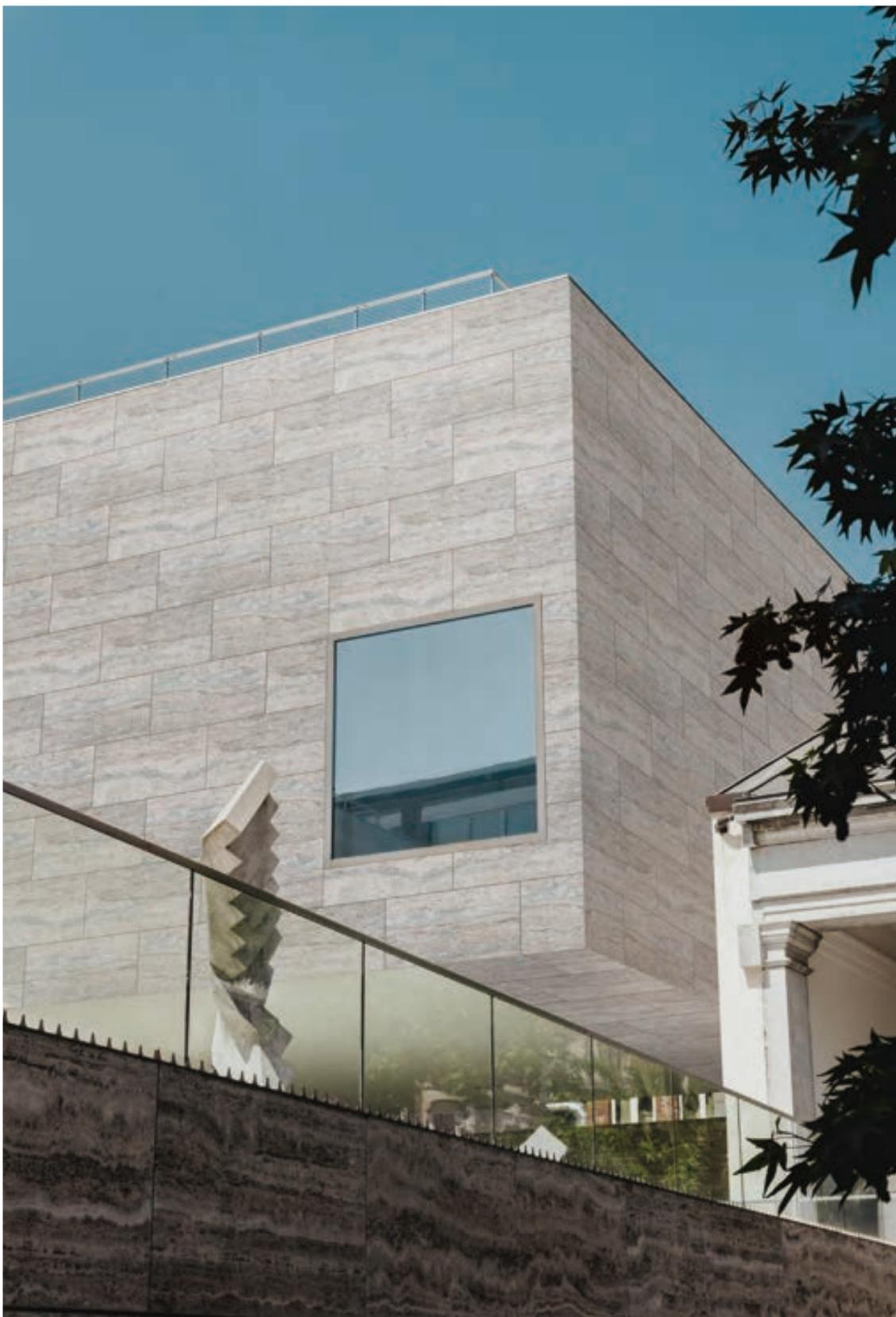
# Greece Travertine

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | ㎡/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |

Greece Travertine
Anna Light Grey

Greece Travertine
Anna White

Greece Travertine
Anna Light Grey

Greece Travertine
Anna Medium Grey

Greece Travertine
Kamu Grey

Greece Travertine
Kamu Yellow

Greece Travertine
Kamu Red

**Star Product Delivery Period: 3-5 days**

**econiclay**
coverings

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# Coral Travertine

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3,2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |

Coral Travertine
Stratus Light Grey

Coral Travertine
Stellar White

Coral Travertine
Stellar Grey

Coral Travertine
Stellar Yellow

Coral Travertine
Stellar Red

Coral Travertine
Cloud Yellow

Coral Travertine
Stratus Light Grey

Coral Travertine
Stratus Dark Grey

Coral Travertine
Stratus Brown

**Star Product Delivery Period: 3-5 days**

# Rome Travertine

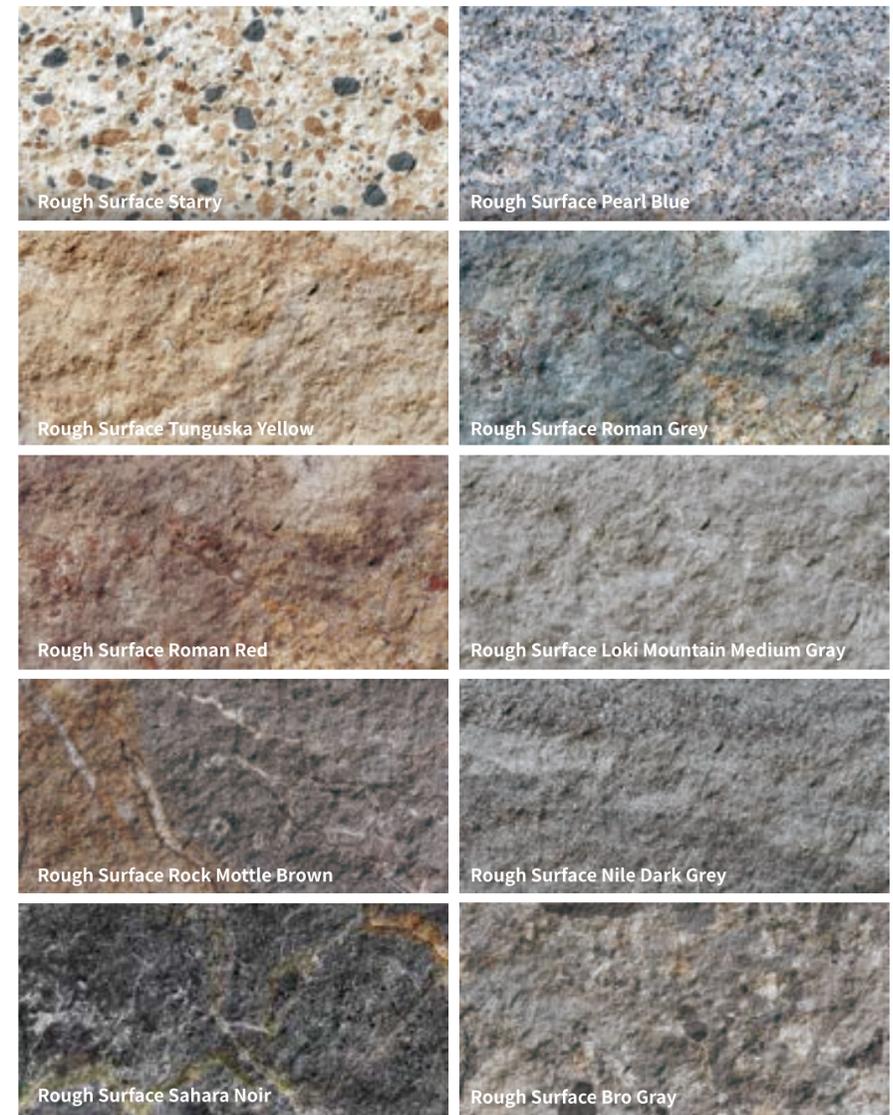| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 3(±0.6) | 1220 x 620 x 75 | 18 | 12.96 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Rome Travertine Andes Yellow

**Rome Travertine Andes White**

**Rome Travertine Andes Yellow**

**Rome Travertine Andes Gold**

**Rome Travertine Light Brown**

**Rome Travertine Andes Grey**

**Rome Travertine Cloud White**

**Rome Travertine Cloud Grey**

**Rome Travertine Cloud Yellow**

**Rome Travertine Cloud Orange**

**Rome Travertine Andes Red**

**Star Product Delivery Period: 3-5 days**

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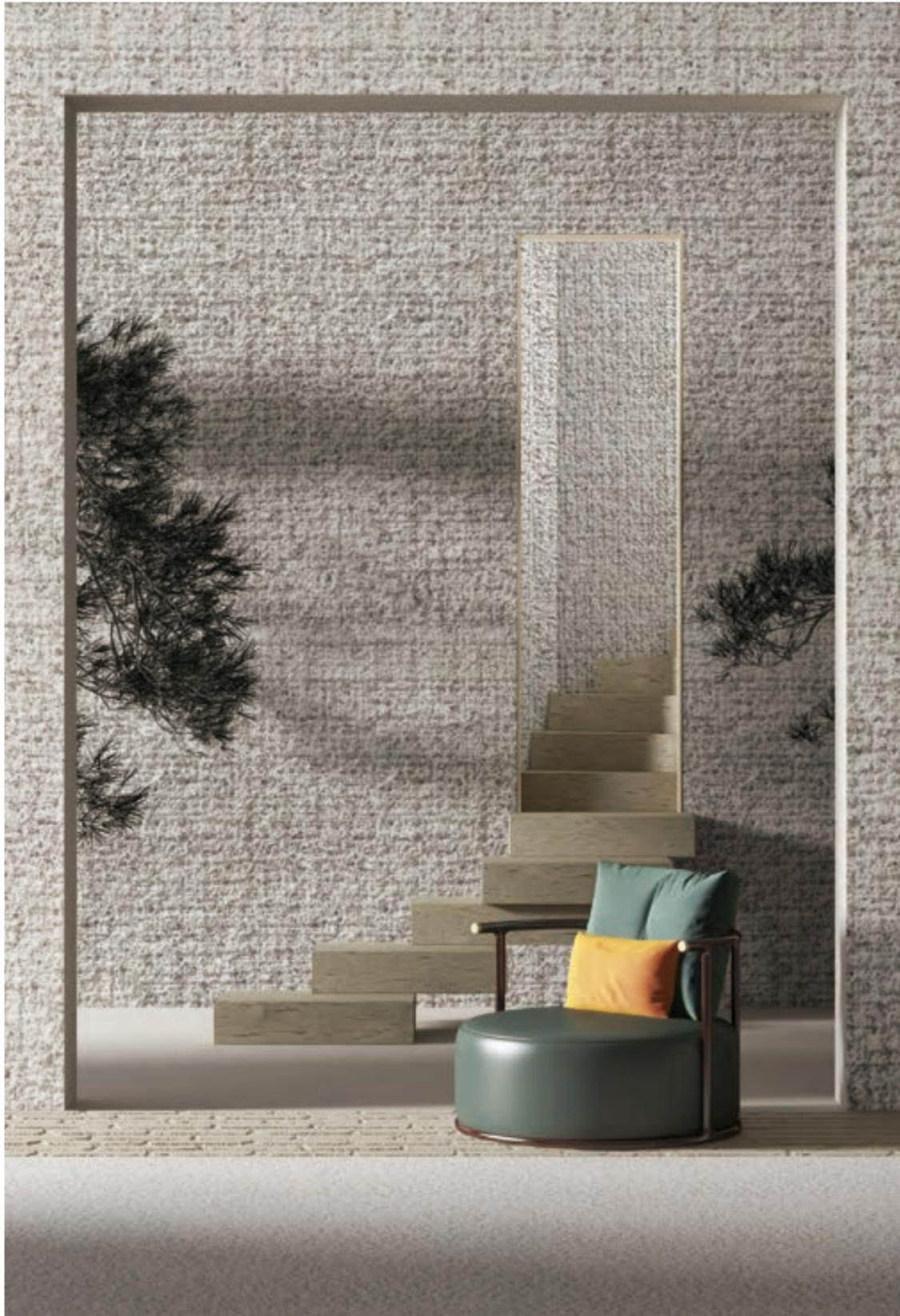


# Cloud Silk Travertine

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 1-3 natural unevenness | | | |

Cloud Silk Travertine Ash Grey
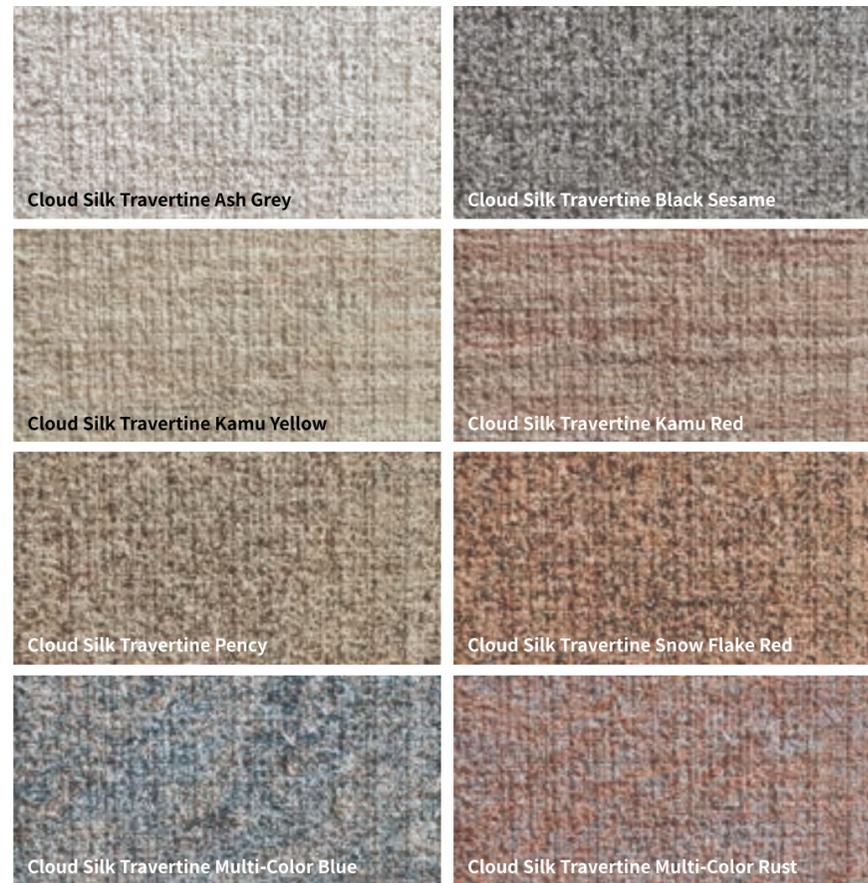

Cloud Silk Travertine Ash Grey


Cloud Silk Travertine Black Sesame


Cloud Silk Travertine Kamu Yellow


Cloud Silk Travertine Kamu Red


Cloud Silk Travertine Pency


Cloud Silk Travertine Snow Flake Red


Cloud Silk Travertine Multi-Color Blue


Cloud Silk Travertine Multi-Color Rust

**Star Product Delivery Period: 3-5 days**

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# Oceanic Travertine

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 1360 x 600 (3.0) | | | | |
| 2800 x 1200 (3.0) | | | | |

Oceanic Travertine
Greek Yellow
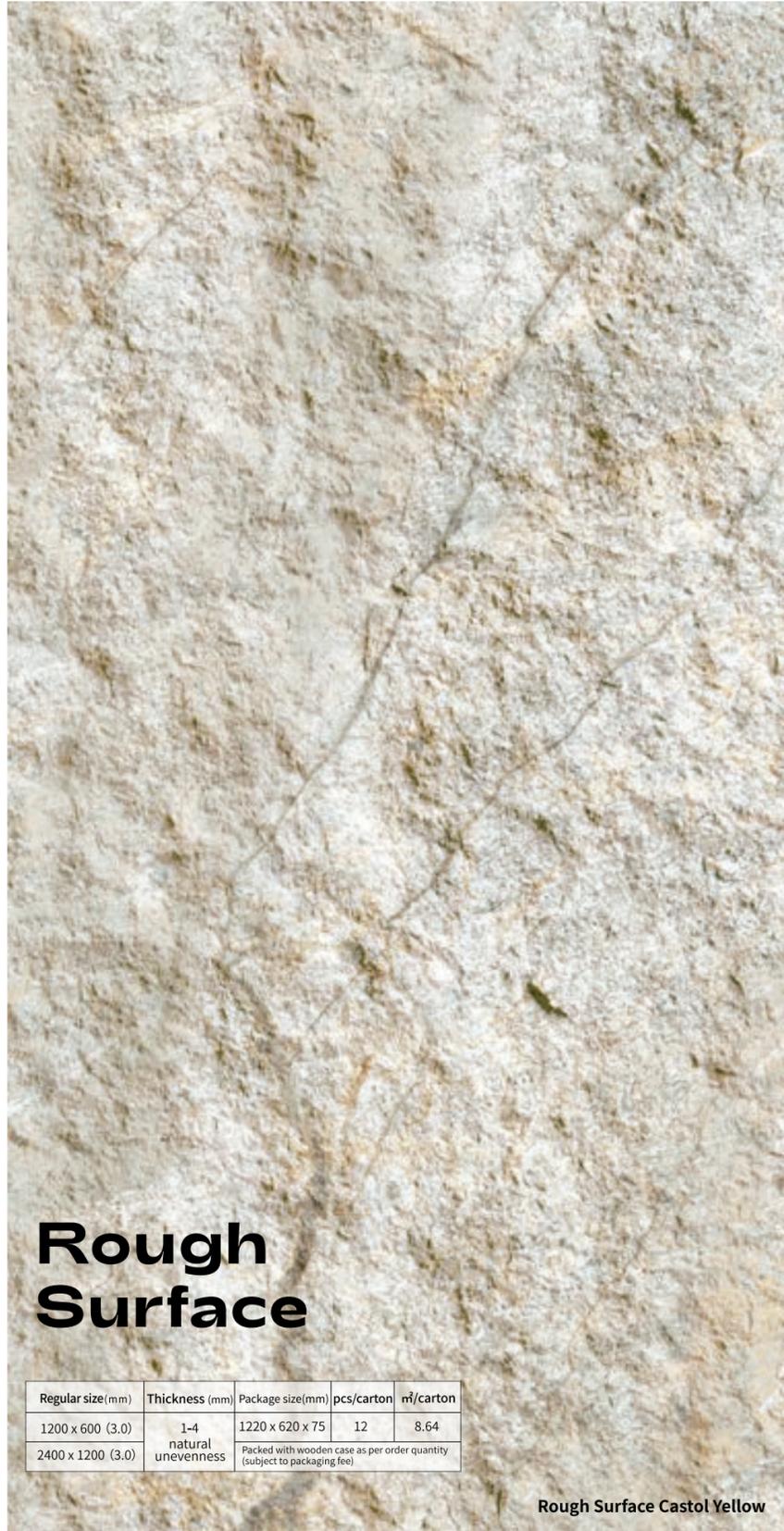


Oceanic Travertine
Moonlight White    1200 x 600mm

Oceanic Travertine
Greek Yellow    1200 x 600mm

Oceanic Travertine
Light Cloud Gray    1200 x 600mm

Oceanic Travertine
Ink Cloud Gray    1200 x 600mm

Oceanic Travertine
Moonlight White    2800 x 1200mm

Oceanic Travertine
Greek Yellow    2800 x 1200mm

Oceanic Travertine
Light Cloud Gray    2800 x 1200mm

Oceanic Travertine
Ink Cloud Gray    2800 x 1200mm

**Star Product Delivery Period: 3-5 days**

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# Rough Surface

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 1-4 natural unevenness | 1220 x 620 x 75 | 12 | 8.64 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Rough Surface Castol Yellow

Rough Surface Ash Grey
Rough Surface White Sesame
Rough Surface Castol White
Rough Surface Castol Grey
Rough Surface Castol Yellow
Rough Surface Castol Blue
Rough Surface Andes Gold
Rough Surface Veil Grey
Rough Surface Gold Sesame
Rough Surface Greyish Brown
Rough Surface Multi-Color Red
Rough Surface Portoro

**Star Product Delivery Period: 3-5 days**
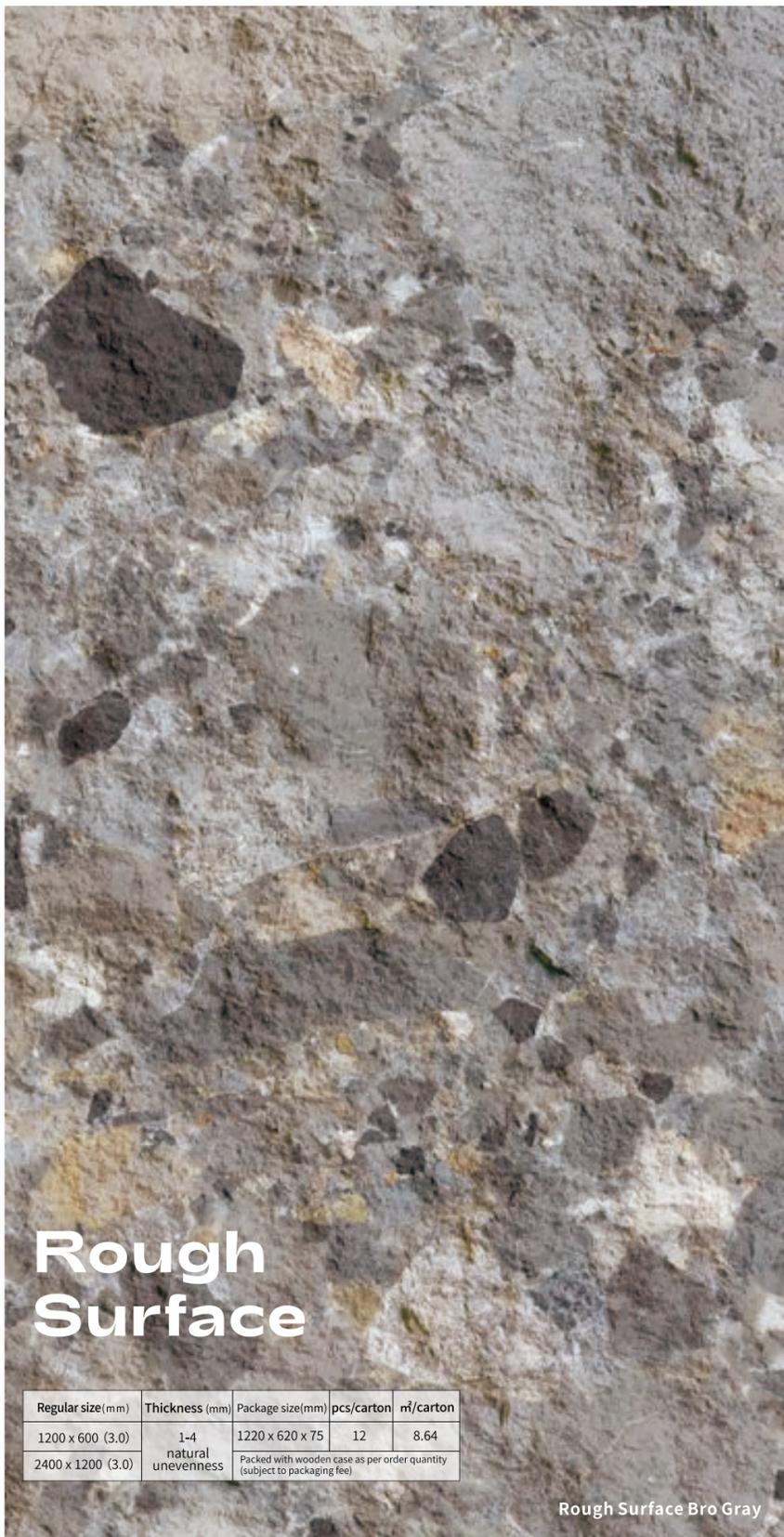
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# Rough
# Surface

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 1-4 natural unevenness | 1220 x 620 x 75 | 12 | 8.64 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Rough Surface Bro Gray


Rough Surface Starry


Rough Surface Pearl Blue


Rough Surface Tunguska Yellow


Rough Surface Roman Grey


Rough Surface Roman Red


Rough Surface Loki Mountain Medium Gray


Rough Surface Rock Mottle Brown


Rough Surface Nile Dark Grey


Rough Surface Sahara Noir


Rough Surface Bro Gray

Star Product Delivery Period: 3-5 days

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# Marble

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Marble Veil Grey

Marble Cloud White

Marble Cloud Grey

Marble Cloud Yellow

Marble Cloud Orange

Marble Andes White

Marble Andes Yellow

Marble Andes Light Brown

Marble Andes Gold

Marble Andes Grey

Marble Andes Red

Marble Sahara Light Gray

Marble Sahara Noir

**Star Product Delivery Period: 3-5 days**

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# Marble

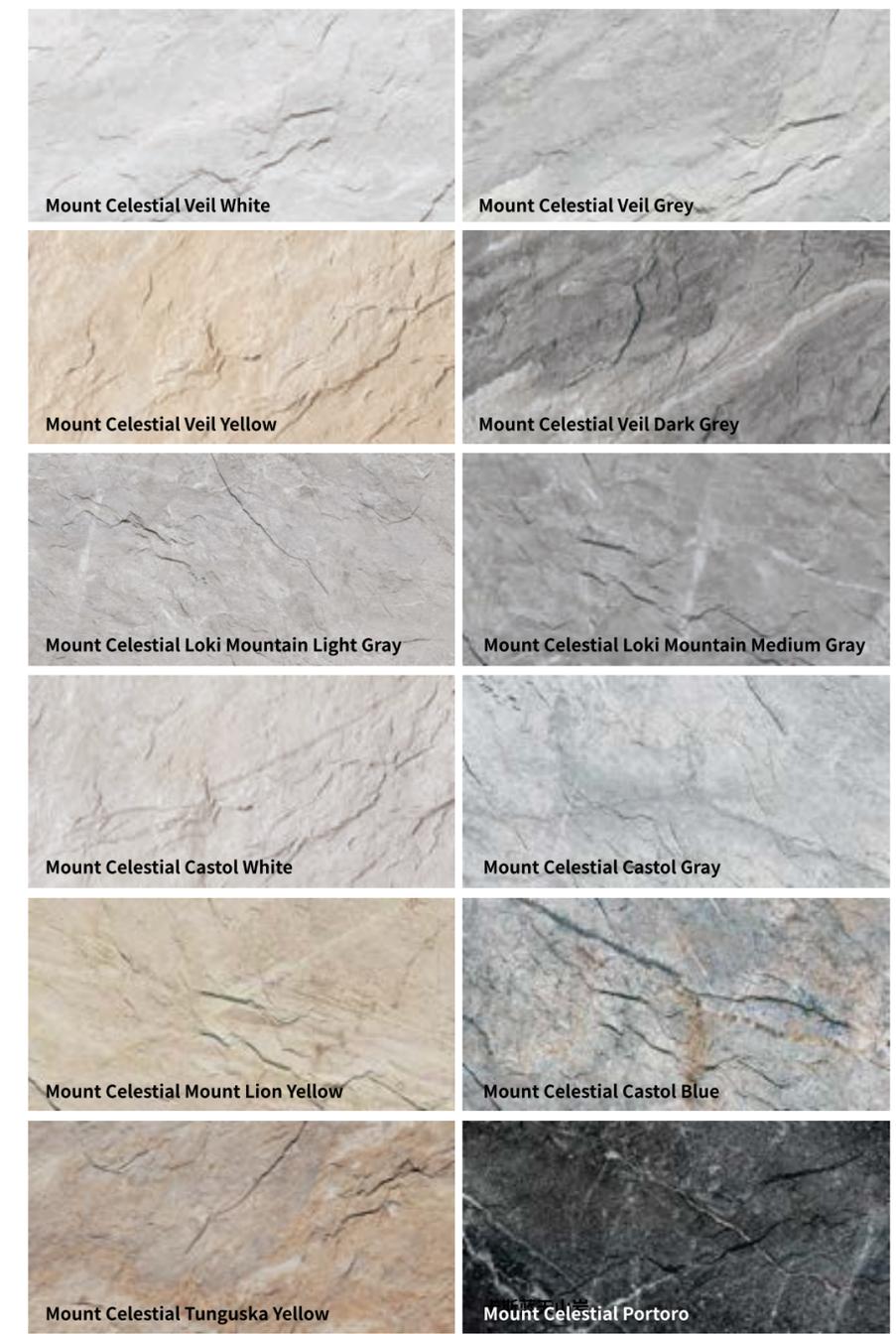| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | ㎡/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Marble Nile Warm Grey

Marble Veil White

Marble Veil Yellow

Marble Castol White

Marble Veil Grey

Marble Castol Grey

Marble Loki Mountain Light Gray

Marble Castol Blue

Marble Starry

Marble Nile Warm Grey

Marble Salento Yellow

Marble Nile Dark Grey

Marble Nile Red

**Star Product Delivery Period: 3-5 days**

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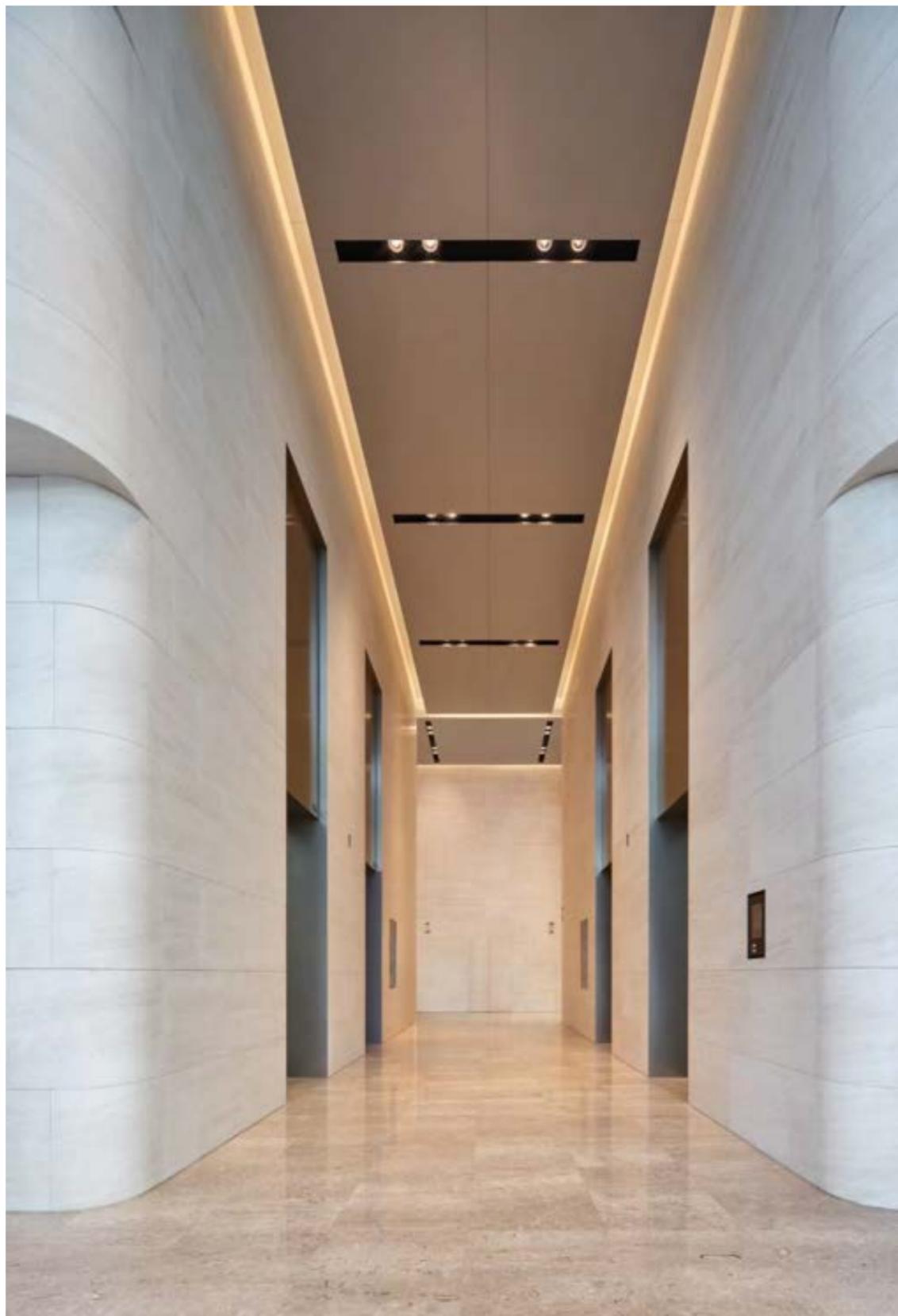
# Polished Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |

Polished Stone Castol White

Polished Stone Sunis White

Polished Stone Castol White

Polished Stone Spainish Beige

Polished Stone Veil White

Polished Stone Andes White

Polished Stone Veil Grey

Polished Stone Andes Yellow

Polished Stone Hennessy Light Grey

Polished Stone Salento Yellow

Polished Stone Hennessy Dark Grey

Star Product Delivery Period: 3-5 days

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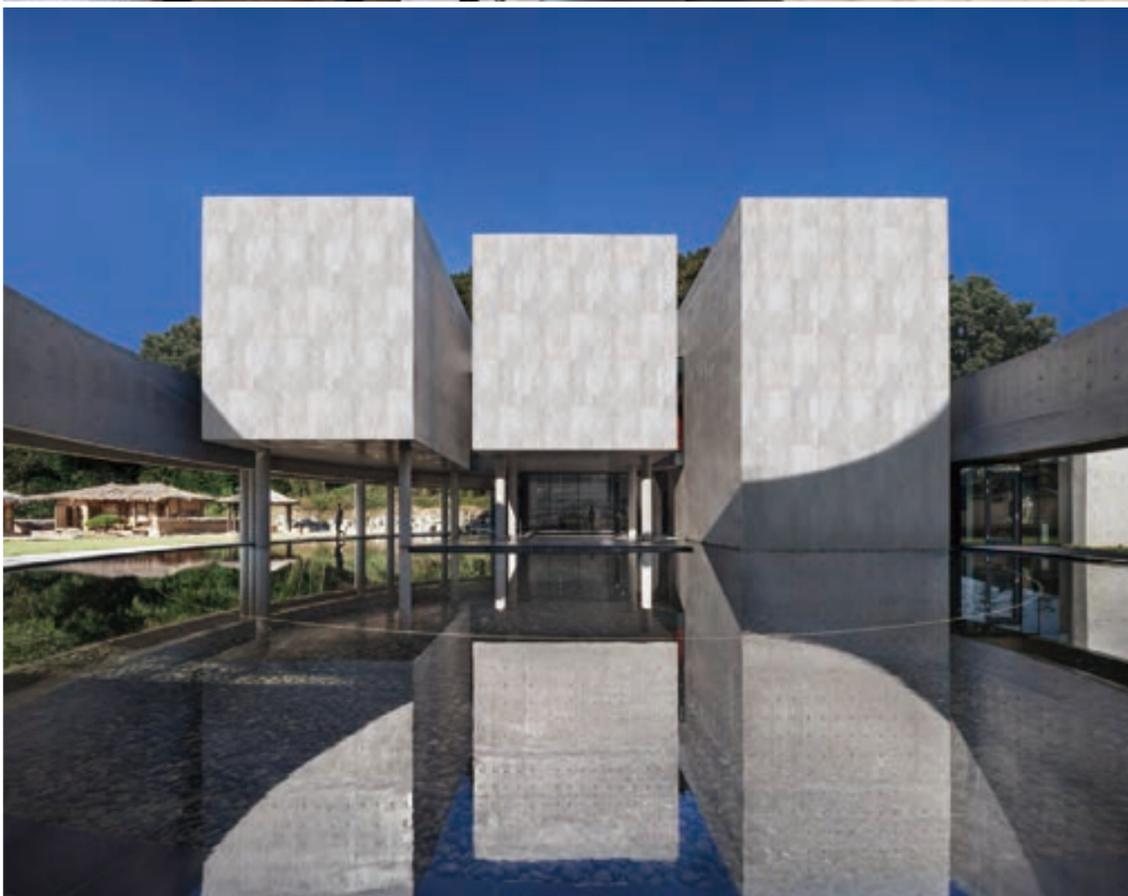
# Polish Concrete Wall

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 2.5(±0.5) | 1220 x 620 x 75 | 20 | 14.4 |
| 1200 x 600 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Polish Concrete Wall Fog

Polish Concrete Wall Cloud

Polish Concrete Wall Great Desert

Polish Concrete Wall Greyish Desert

Polish Concrete Wall Fog

Polish Concrete Wall Medium Grey

Polish Concrete Wall Dark Brown

Polish Concrete Wall Dark Grey

Polish Concrete Wall Ink-dyed

**Star Product Delivery Period: 3-5 days**

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# Rusty Slab

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Rusty Slab Nuée Ardente


Rusty Slab Copper


Rusty Slab Gilt


Rusty Slab Fantasy Red


Rusty Slab Nuée Ardente


Rusty Slab Maca Blue


Rusty Slab Fawn Gray

**Star Product Delivery Period: 3-5 days**

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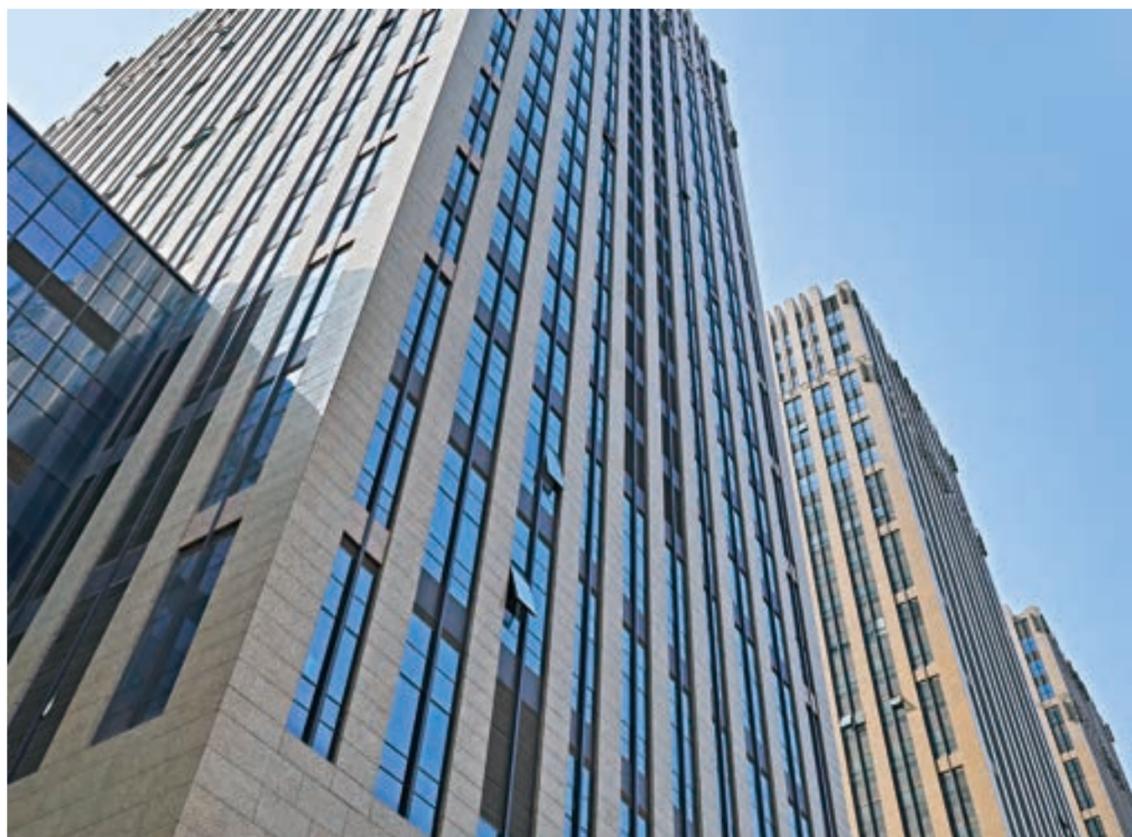
# Granite Flat

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Granite Flat New White Sesame

Granite Flat Ash Grey

Granite Flat New White Sesame

Granite Flat Beauty

Granite Flat White Sesame

Granite Flat Gold Sesame

Granite Flat Pearl Blue

Granite Flat Snow Flake Red

Granite Flat Greyish Brown

Granite Flat Multi-Color Red

Granite Flat Black Sesame

**Star Product Delivery Period: 3-5 days**

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# Mount Celestial

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | | 1220 x 620 x 75 | 20 | 14.4 |
| 2400 x 1200 (3.0) | 1~3 natural unevenness | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2700 x 1200 (3.0) | | | | |
| 6000 x 1200 (3.0) | | Coil Packaging | | |

Mount Celestial Veil Grey



Mount Celestial Veil White

Mount Celestial Veil Grey

Mount Celestial Veil Yellow

Mount Celestial Veil Dark Grey

Mount Celestial Loki Mountain Light Gray

Mount Celestial Loki Mountain Medium Gray

Mount Celestial Castol White

Mount Celestial Castol Gray

Mount Celestial Mount Lion Yellow

Mount Celestial Castol Blue

Mount Celestial Tunguska Yellow

Mount Celestial Portoro

**Star Product Delivery Period: 3-5 days**

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# Skyline

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 1~3.5 | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 1~3 | 1220 x 620 x 75 | 20 | 14.4 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Skyline Nile Dark Grey

Skyline Y001-01-02

Skyline Nile Light Yellow

Skyline Veil White

Skyline Nile Medium Yellow

Skyline Veil Grey

Skyline H01-02-03

Skyline Nile Warm Grey

Skyline Nile Cool Grey

Skyline Nile Dark Grey

Skyline Nile Red

**Star Product Delivery Period: 3-5 days**

36

37

# Sandstone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | ㎡/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | 3.2(±0.2) | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

Sandstone Australia Orange
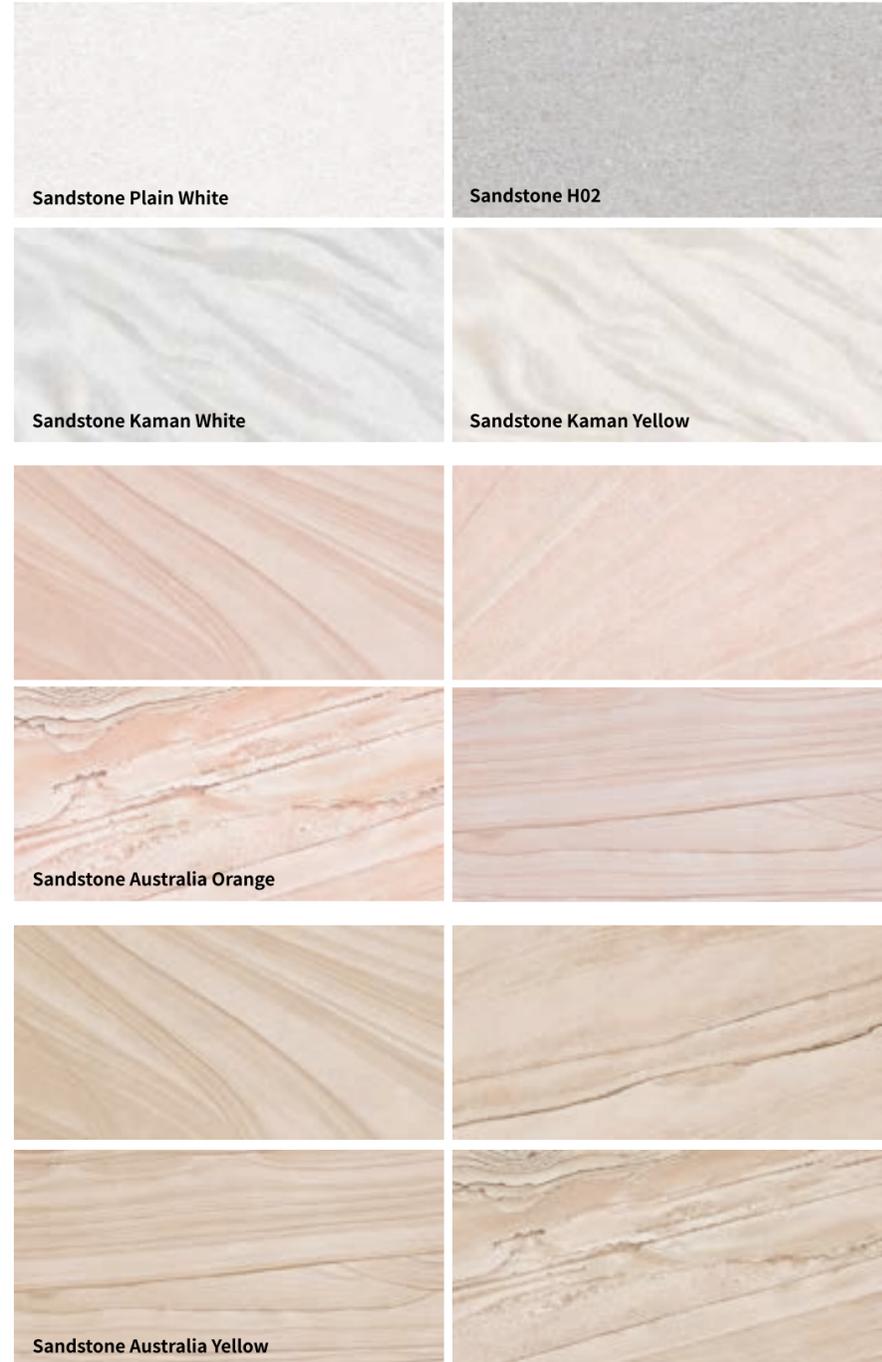
Sandstone Plain White

Sandstone H02

Sandstone Kaman White

Sandstone Kaman Yellow

Sandstone Australia Orange

Sandstone Australia Yellow

**Star Product Delivery Period: 3-5 days**

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# Rammed Earth Wall

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 2.5(±0.5) | 1220 x 620 x 75 | 16 | 11.52 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

**Rammed Earth Wall Egyptian Yellow**

**econiclay** coverings

**Material science that shapes the future.**


Rammed Earth Wall Pop Yellow


Rammed Earth Wall Egyptian Yellow


Rammed Earth Wall Bataan Yellow


Rammed Earth Wall Egyptian Orange


Rammed Earth Wall Dublin Gray


Rammed Earth Wall Dublin Red


Rammed Earth Wall Light Grey


Rammed Earth Wall Yellow


Rammed Earth Wall Medium Grey


Rammed Earth Wall Red


Rammed Earth Wall Yellow Grey


Rammed Earth Wall Brownish Red

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# Crossard Mushroom Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) |
|---|---|---|
| 800 x 400 (3.0) | 1~8 natural unevenness | Packed with wooden case as per order quantity (subject to packaging fee) |
| 800 x 800 (3.0) | | |

Crossard Mushroom Stone Blue Grey

Crossard Mushroom Stone Plain White

Crossard Mushroom Stone Tunguska Yellow

Crossard Mushroom Stone Multi-Color Blue

Crossard Mushroom Stone Multi-Color Rust

Crossard Mushroom Stone Nile Dark Grey

Crossard Mushroom Stone Portoro

800x400 mm

Crossard Mushroom Stone Cloud White

Crossard Mushroom Stone Castol Yellow

Crossard Mushroom Stone Blue Grey
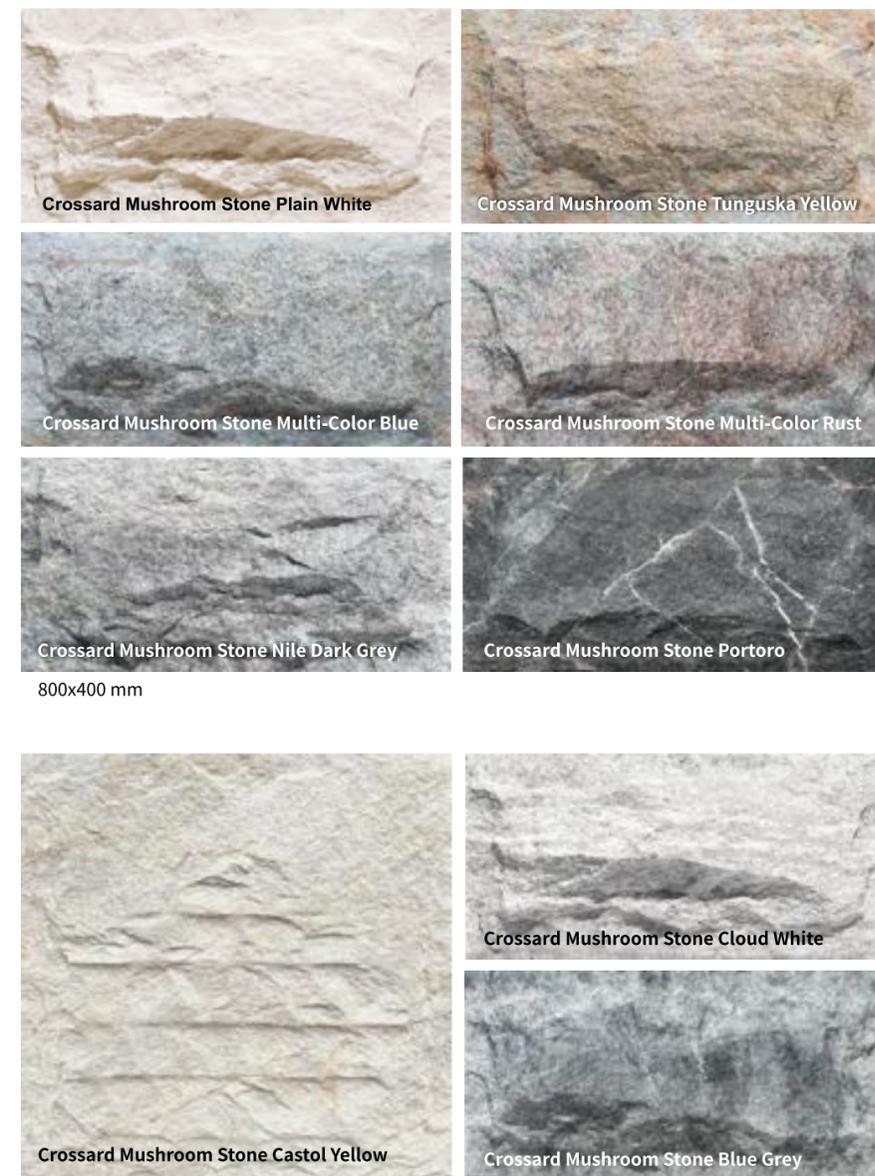
800x800 mm（Standard colors are same as those for the 800x400 mm size.）

econiclay
coverings

# Devine Mushroom Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) |
|---|---|---|
| 800 X 400 (3.0) | | |
| 1200 X 600 (3.0) | | |
| 2400 X 1200 (3.0) | 1~8 natural unevenness | Packed with wooden case as per order quantity (subject to packaging fee) |
| 600 X 600 (3.0) | | |
| 1200 X 1200 (3.0) | | |

Devine Mushroom Stone Andes Yellow
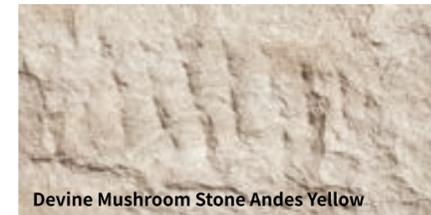
Devine Mushroom Stone Andes Yellow

Devine Mushroom Stone Loki Mountain Medium Gray

Devine Mushroom Stone Gold Sesame

Devine Mushroom Stone Nile Dark Grey

Devine Mushroom Stone Tunguska Yellow

Devine Mushroom Stone Blue Grey

Devine Mushroom Stone Nile Red

Devine Mushroom Stone Multi-Color Rust

2400x1200 mm

Devine Mushroom Stone Andes White

Devine Mushroom Stone Portoro

Devine Mushroom Stone Andes Grey

1200x1200 mm、600x600 mm
(Standard colors are same as those for the 2400x1200 mm size.)

Material science that shapes the future.

econiclay
coverings

# Oblique Mushroom

| Regular size(mm) | Thickness (mm) | Package size(mm) |
|---|---|---|
| 1200x 600 (3.0) | 1~8 natural unevenness | Packed with wooden case as per order quantity (subject to packaging fee) |
| 1200x 1200 (3.0) | | |

Oblique Mushroom
Light Yellow

Oblique Mushroom Plain White

Oblique Mushroom Spainish Light Grey

Oblique Mushroom Light Yellow

Oblique Mushroom Loki Mountain Medium Gray

Oblique Mushroom Tunguska Yellow

Oblique Mushroom Nile Dark Grey

1200x600 mm

Oblique Mushroom Anna White

1200x1200 mm （Standard colors are same as those for the 1200x600 mm size.)

Material science that shapes the future.

econiclay
coverings
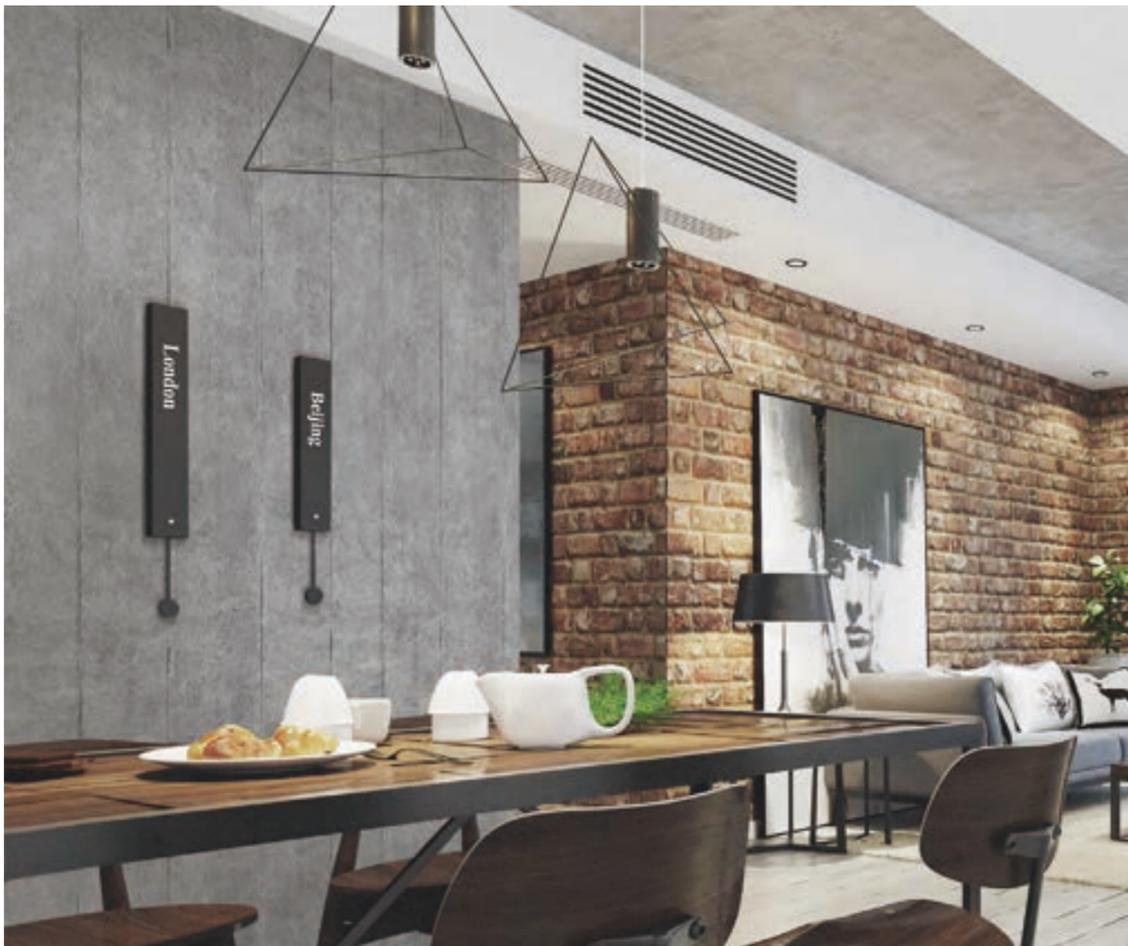
# Concrete Pouring Slab

| Regular size(mm) | Thickness (mm) | Package size(mm) |
|---|---|---|
| 1400 x 600 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) |
| 2700 x 1200 (3.0) | | |

Concrete Pouring Slab
Castle Rock Gray

**Concrete Pouring Slab**
**Plain White**
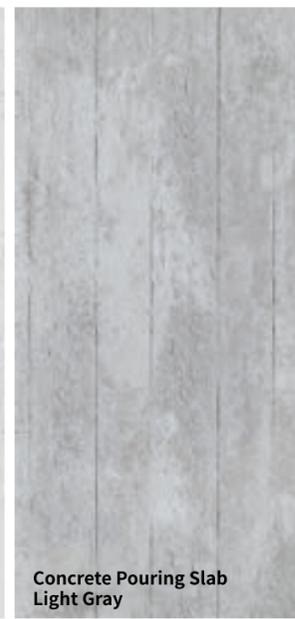
**Concrete Pouring Slab**
**Light Gray**

**Concrete Pouring Slab**
**Castle Rock Gray**

**Concrete Pouring Slab**
**Mist**

**Concrete Pouring Slab**
**Sandstorm**

**Concrete Pouring Slab**
**Ink-dyed**

Material science that shapes the future.

econiclay
coverings

# Arcuate Rock

**Arcuate Rock Thin Clouds Gray**

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1400 x 600 (3.0) | 1~5 natural unevenness | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2800 x 1200 (3.0) | | | | |

Arcuate Rock Veil White

Arcuate Rock Thin Clouds Gray

Arcuate Rock Medium Grey

Arcuate Rock Andes Yellow

Arcuate Rock Autumn Yellow

Arcuate Rock Gold Sesame

# Infiniti

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 600 x 300 (3.0) | 1~5 natural unevenness | 620 x 320 x 90 | 8 | 1.44 |
| 1200 x 600 (3.0) | | 1220 x 620 x 75 | 6 | 4.32 |

INFINITI HG03

Infiniti Plain White
Infiniti Ash Grey
Infiniti Andes Yellow
Infiniti Veil White
Infiniti Spainish Light Yellow
Infiniti Greyish Brown
Infiniti Nile Red
INFINITI HG03
Infiniti Multi-Color Red
Infiniti Dandy Gray

# 35 Piece Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 1~5 natural unevenness | 1220 x 620x75 | 6 | 4.32 |

35 Piece Stone Tunguska Yellow
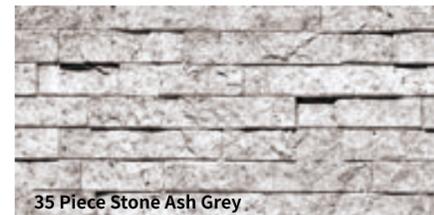
35 Piece Stone Ash Grey

35 Piece Stone Loki Mountain Light Gray

35 Piece Stone Andes Gold

35 Piece Stone Dandy Gray

35 Piece Stone Tunguska Yellow

35 Piece Stone Nile Dark Grey

35 Piece Stone Multi-Color Rust

35 Piece Stone Multi-Color Red

econiclay coverings

STONE SERIES

Material science that shapes the future.

# Chiseled Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 1~4.5 | 1220 x 620 x75 | 8 | 5.76 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

**Chiseled Stone Andes Yellow**
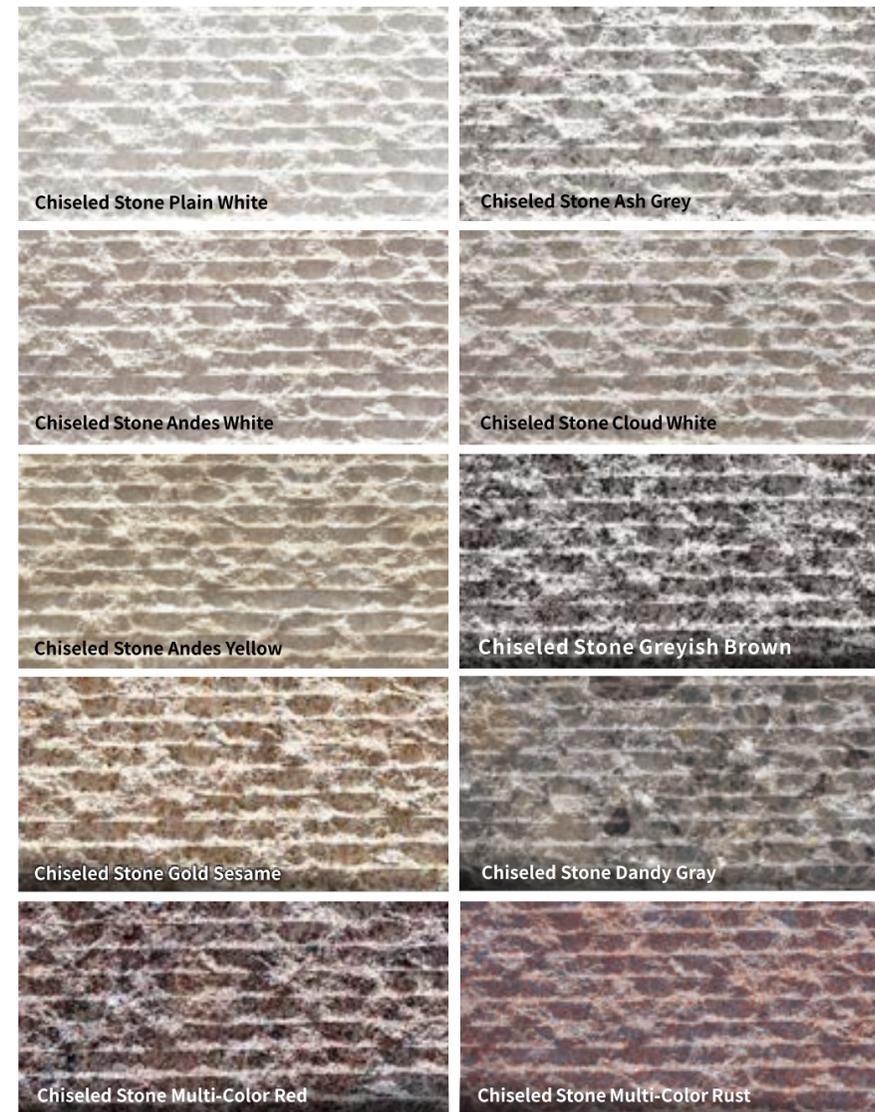
Chiseled Stone Plain White

Chiseled Stone Ash Grey

Chiseled Stone Andes White

Chiseled Stone Cloud White

Chiseled Stone Andes Yellow

Chiseled Stone Greyish Brown

Chiseled Stone Gold Sesame

Chiseled Stone Dandy Gray

Chiseled Stone Multi-Color Red

Chiseled Stone Multi-Color Rust

Material science that shapes the future.

econiclay
coverings
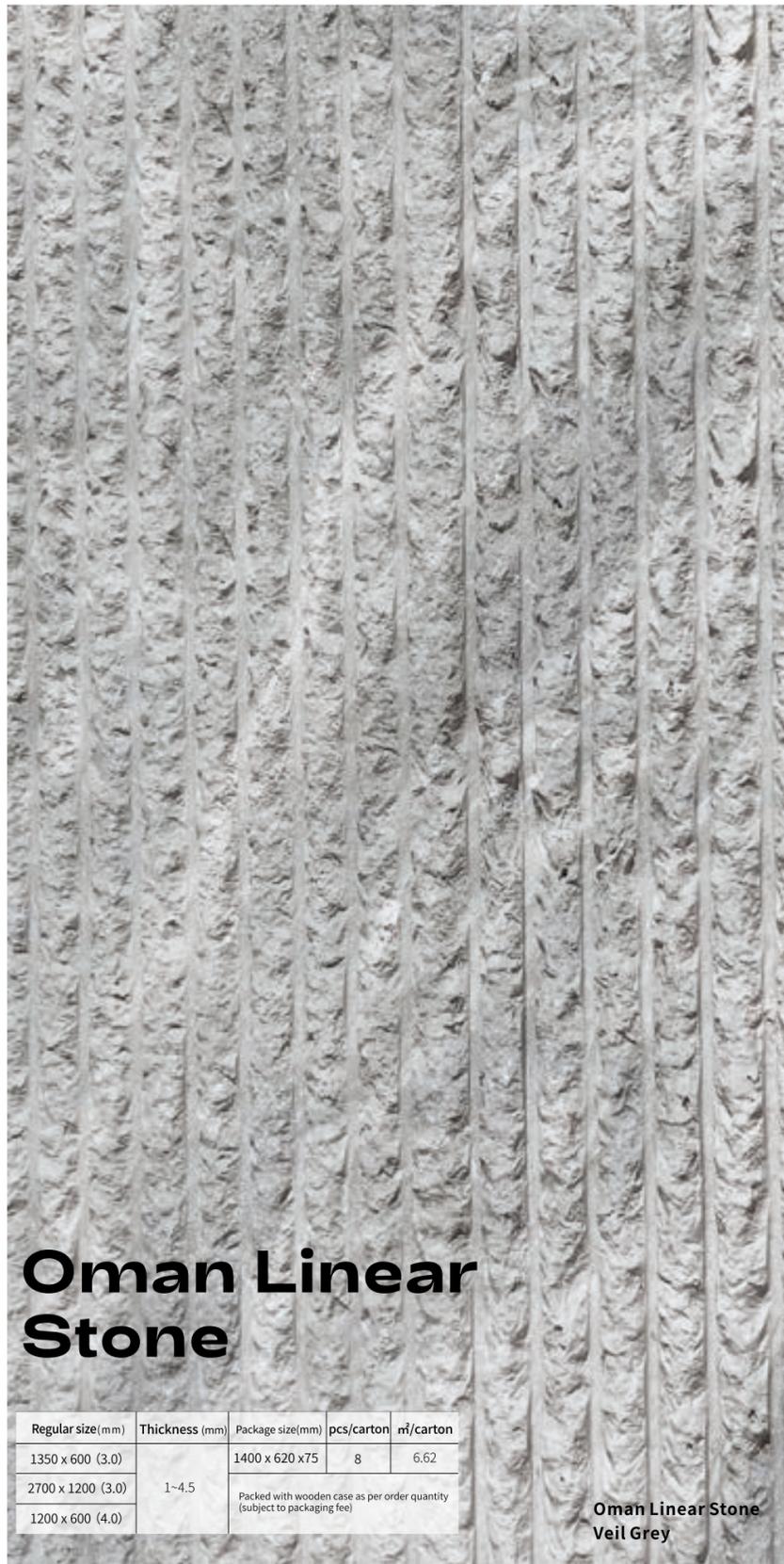
# Oman Linear Stone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | | 1400 x 620 x75 | 8 | 6.62 |
| 2700 x 1200 (3.0) | 1~4.5 | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 1200 x 600 (4.0) | | | | |

**Oman Linear Stone Veil Grey**

Oman Linear Stone Andes White

Oman Linear Stone Andes Yellow

Oman Linear Stone Ash Grey

Oman Linear Stone Nile Medium Yellow

Oman Linear Stone White Sesame

Oman Linear Stone Veil Grey

Oman Linear Stone Gold Sesame

Oman Linear Stone Loki Mountain Medium Gray

Oman Linear Stone Black Sesame

Oman Linear Stone Dandy Gray

Oman Linear Stone Multi-Color Red

Oman Linear Stone Andes Red

Material science that shapes the future.

**econiclay**
coverings

# Stone Ridged

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 3(±0.5) | 1220 x 620 x75 | 16 | 11.52 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Stone Ridged Andes White

Stone Ridged Cloud White

Stone Ridged Andes White

Stone Ridged Ash Grey

Stone Ridged Andes Yellow

Stone Ridged White Sesame

Stone Ridged Nile Medium Yellow

Stone Ridged Greyish Brown

Stone Ridged Gold Sesame

Stone Ridged Loki Mountain Medium Gray

Stone Ridged Multi-Color Rust

Stone Ridged Dandy Gray

Stone Ridged Multi-Color Red

Stone Ridged Medium Gray

Material science that shapes the future.

# Bush Hammered

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 900 x 600 (3.0) | | 920 x 620 x 80 | 20 | 10.8 |
| 1380 x 600 (3.0) | 2.5(±0.5) | 1400 x 620 x 65 | 18 | 14.904 |
| 2760 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

**Bush Hammered Pale Yellow**

Bush Hammered Ash Grey

Bush Hammered Washed-out White

Bush Hammered Pale Yellow

Bush Hammered Starry

Bush Hammered Magnolia

Bush Hammered Gold Sesame

Bush Hammered Black Sesame

Bush Hammered Beauty

Bush Hammered Dandy Gray

Bush Hammered Multi-Color Red

# Butterfly Stone

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 2600 x 1300 (3.0) | | | | |

Butterfly Stone Spainish Beige

Butterfly Stone Plain White

Butterfly Stone WN01

Butterfly Stone HN02

Butterfly Stone BN02

Butterfly Stone ON02

Butterfly Stone Spainish Beige

Butterfly Stone RN03

Butterfly Stone FN04

Material science that shapes the future.

Material science that shapes the future.
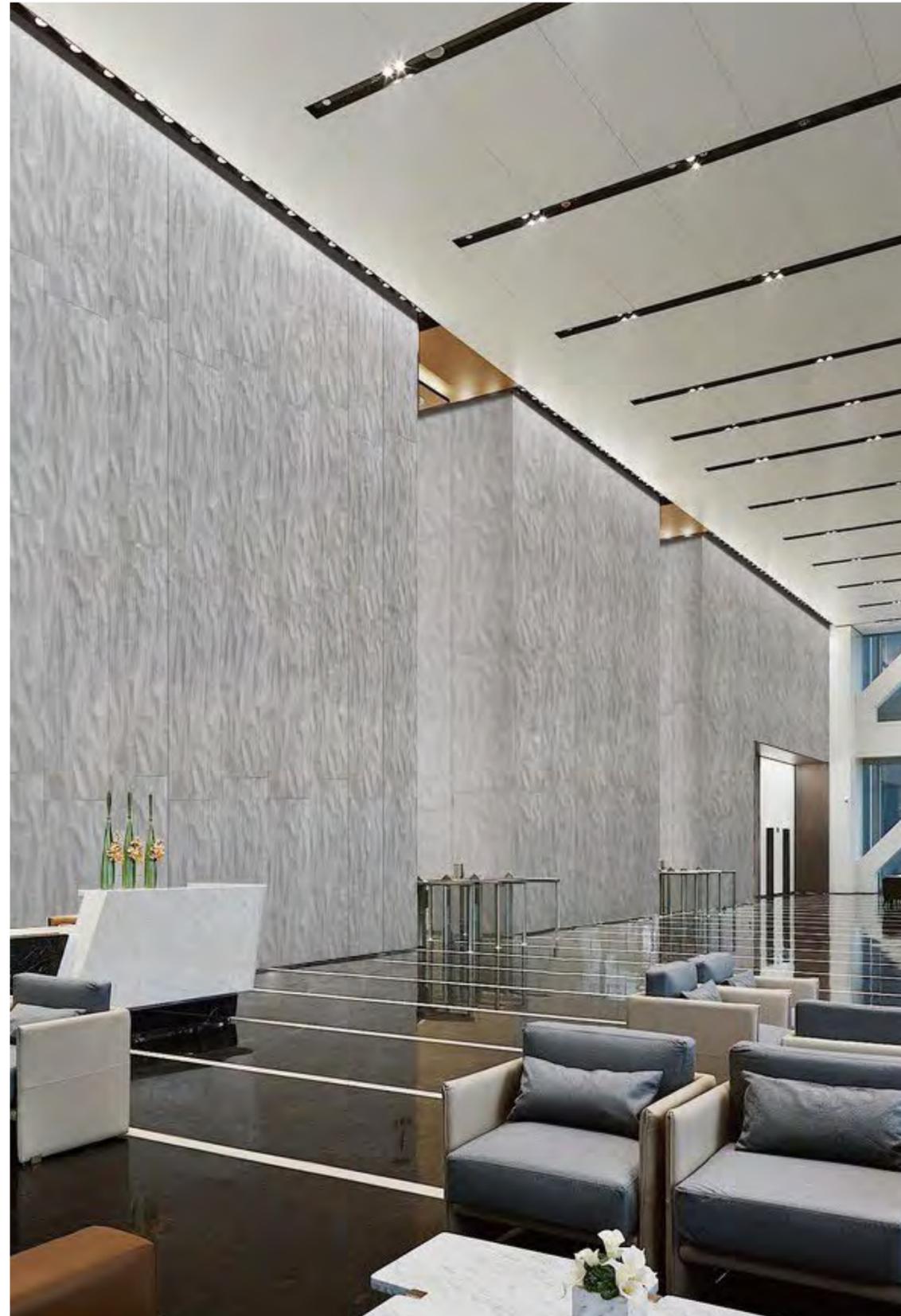
# 3D Papel

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | | | | |
| 2400 x 1200 (3.0) | | | | |

3D Papel Nile Cool Grey

3D Papel Ash Grey

3D Papel Andes White

3D Papel Loki Mountain Light Gray

3D Papel Light Yellow

3D Papel Nile Cool Grey

3D Papel Nile Red

3D Papel HB04

3D Papel Multi-Color Rust

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coverings

# Stackle Square

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (4.0) | | | | |

Stackle Square Andes Yellow

Stackle Square Ash Grey
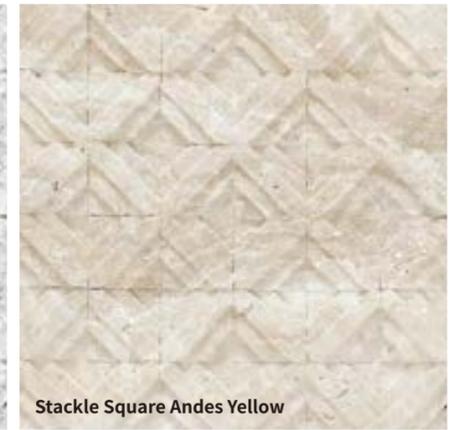
Stackle Square Andes Yellow

Stackle Square Loki Mountain Medium Gray
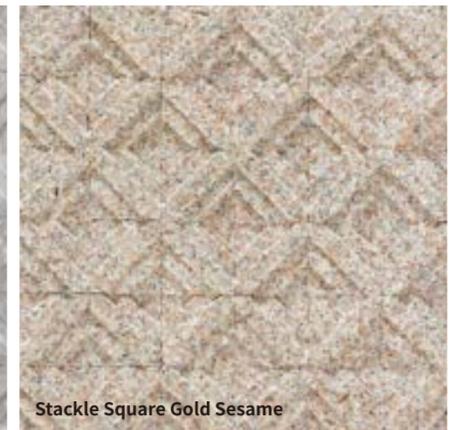
Stackle Square Gold Sesame
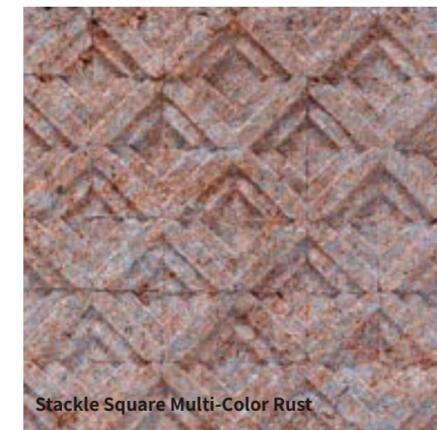
Stackle Square Multi-Color Rust
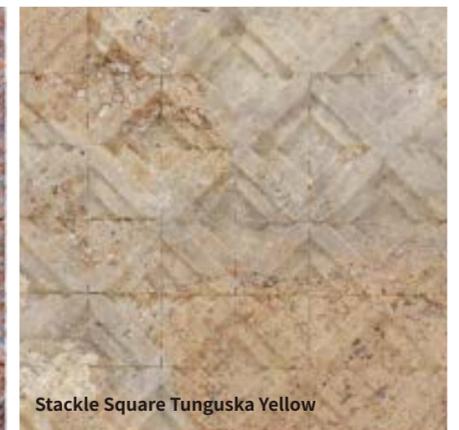
Stackle Square Tunguska Yellow

Material science that shapes the future.
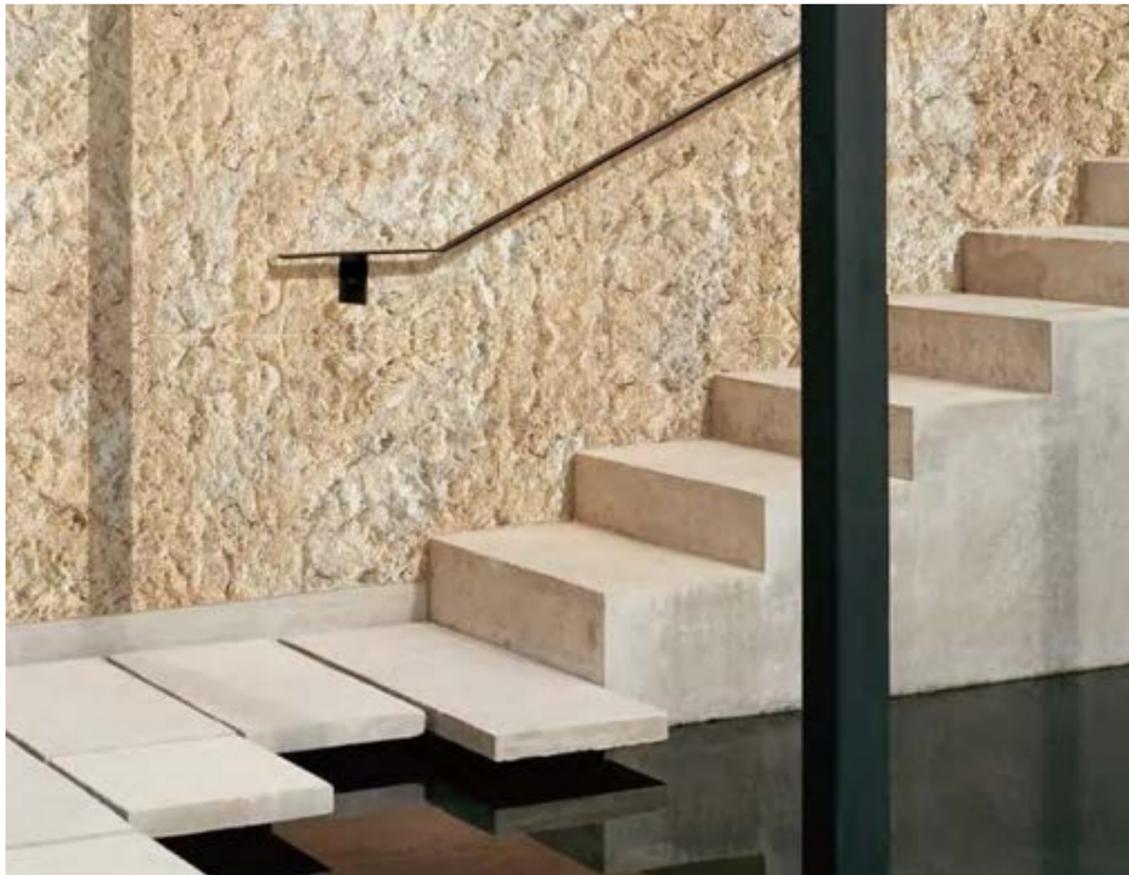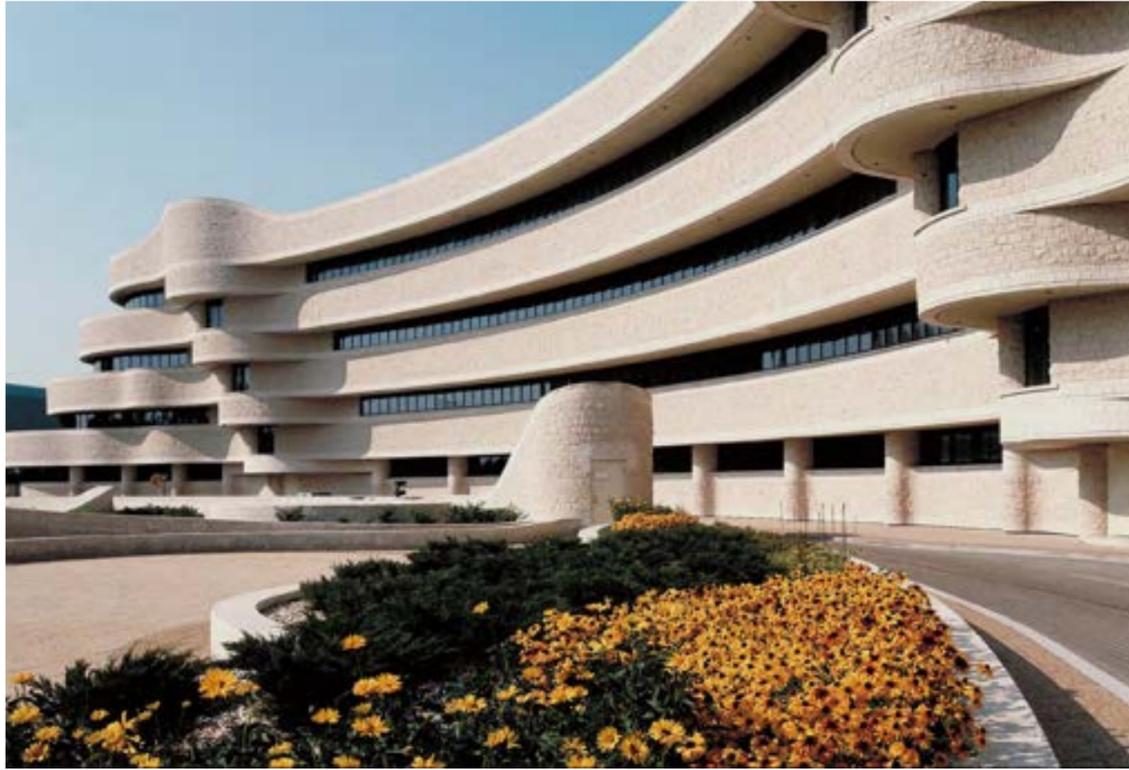
# Rockface Stone

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 1-4 natural unevenness | | | |
| 1200 x 1200 (3.0) | | | | |
| 2400 x 1200 (3.0) | | | | |

Rockface Stone Tunguska Yellow

Rockface Stone Ash Grey

Rockface Stone Andes White

Rockface Stone Stellar Grey

Rockface Stone Beauty

Rockface Stone Bro Gray

Rockface Stone Tunguska Yellow

Rockface Stone Multi-Color Blue

Rockface Stone Multi-Color Rust

Rockface Stone Portoro

Rockface Stone Nile Red

Reducing Deforestation,
Saving Earth's Ozone Layer

Wood Series

# Spliced Wood

| Regular size(mm) | Thickness (mm) | Package size(mm) |
|---|---|---|
| 1400 x 300 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) |
| 2700 x 1200 (3.0) | | |

Spliced Wood Silk-mist Brown

Spliced Wood
Plain White

Spliced Wood
Cangshan Mountain Gray

Spliced Wood
Twilight Mountain Gray

Spliced Wood
Former Times

Spliced Wood
Sand Yellow

Spliced Wood
Silk-mist Brown

Material science that shapes the future.

econiclay
coverings

# Poly Wood

| Regular size (mm) | Thickness (mm) | Package size (mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 300 (3.0) | 2.5(±0.5) | 1380 x 620 x 65 | 42 | 17.01 |
| 2700 x 300 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2700 x 1200 (3.0) | | | | |

Poly Wood Autumn


Poly Wood Moonlight


Poly Wood Yoly


Poly Wood Sunset Yellow


Poly Wood Orange


Poly Wood Autumn


Poly Wood Peach


Poly Wood Brownish Yellow


Poly Wood Sunglow


Poly Wood Plain Brown


Poly Wood Light Brown


Poly Wood Caesious


Poly Wood Dark Brown

Material science that shapes the future.
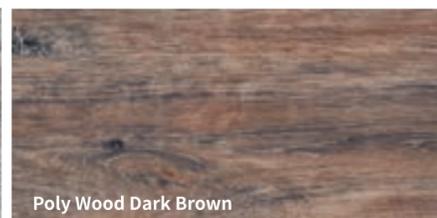
# Original Wood

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 300 (3.0) | | 1380 x 620 x 65 | 42 | 17.01 |
| 2700 x 300 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2700 x 1200 (3.0) | | | | |

Original Wood Yoly


Original Wood Moonlight


Original Wood Sunset Yellow


Original Wood Layered Rock


Original Wood Yoly


Original Wood Caesious


Original Wood Peach


Original Wood Autumn


Original Wood Sunglow


Original Wood Brownish Yellow


Original Wood Light Brown


Original Wood Plain Brown


Original Wood Dark Brown

Material science that shapes the future.

Material science that shapes the future.

# Sawtooth Wood

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 300 (3.0) | | 1380 x 620 x 65 | 42 | 17.01 |
| 2700 x 300 (3.0) | 2.5(±0.5) | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2700 x 1200 (3.0) | | | | |

Sawtooth Wood Caesious

Sawtooth Wood Moonlight

Sawtooth Wood Yoly

Sawtooth Wood Sunset Yellow

Sawtooth Wood Orange

Sawtooth Wood Autumn

Sawtooth Wood Peach

Sawtooth Wood Brownish Yellow

Sawtooth Wood Sunglow

Sawtooth Wood Plain Brown

Sawtooth Wood Light Brown

Sawtooth Wood Caesious

Sawtooth Wood Dark Brown

# Polished Wood

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600  (4.0) | 3.2 | 1220 x 620 x 75 | 16 | 11.52 |

Polished Wood Perth Grey

Polished Wood
Perth White

Polished Wood
Perth Grey

Polished Wood
Steinburg Yellow

Polished Wood
Sunset Yellow

Polished Wood
Robe Red

Polished Wood
Dark Brown

**Star Product Delivery Period: 3-5 days**

Material science that shapes the future.

Material technology,
integrated with ethnic customs

**Weaving Series**
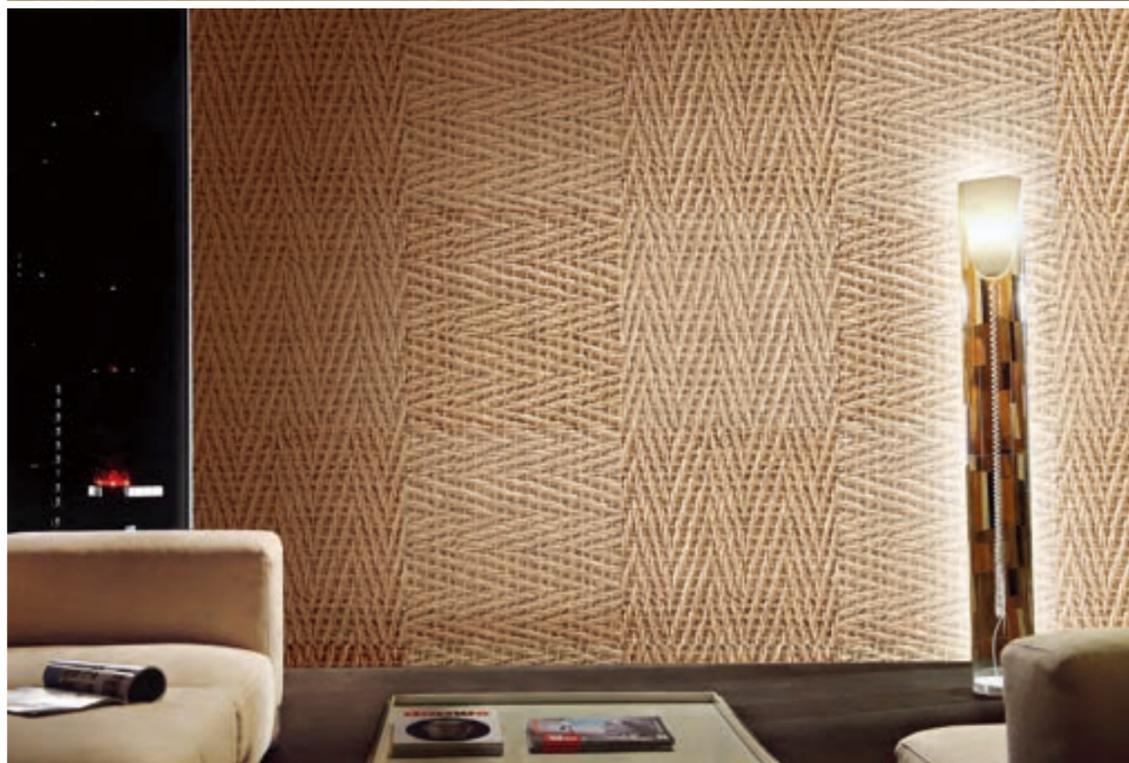
# W Weaving

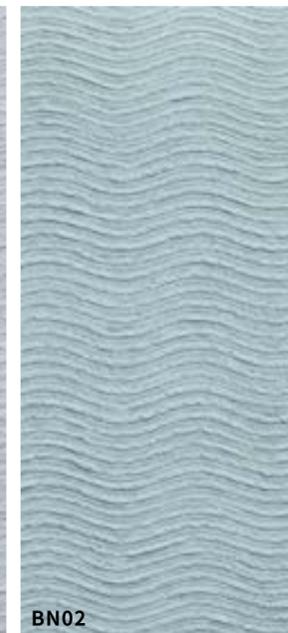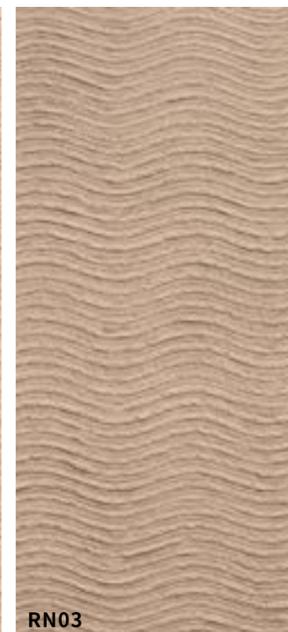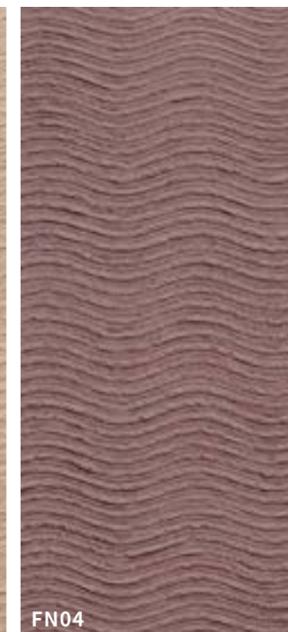| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350X 600 (3.0) | 1~4 | 1370 X 620 X90 | 8 | 6.48 |
| 2700 X 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

O01

WN01

HN02

BN02

O01

RN03
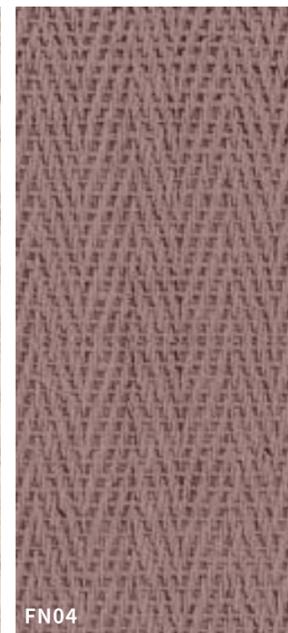
FN04
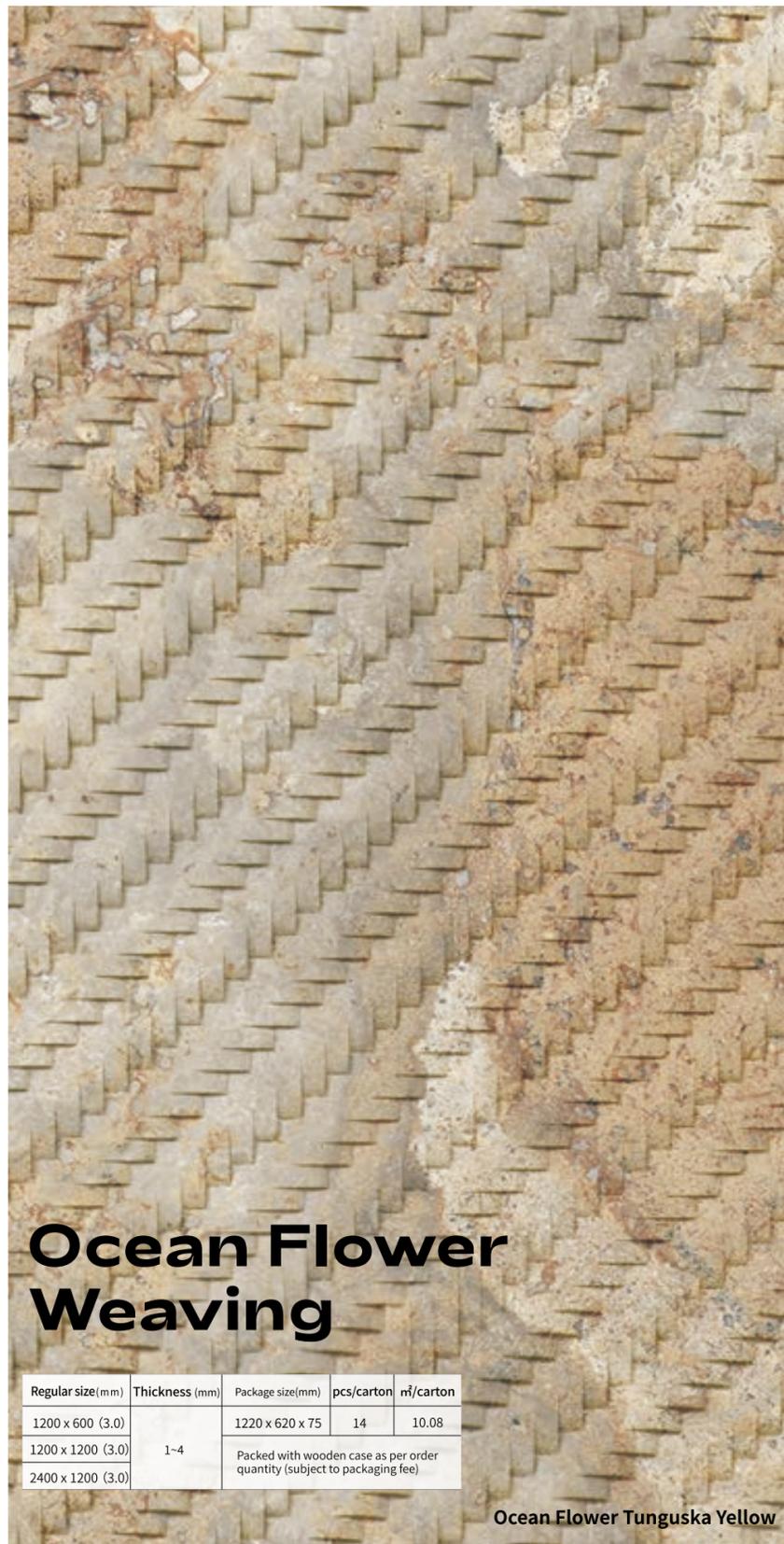
# Ocean Flower
# Weaving

| Regular size (mm) | Thickness (mm) | Package size (mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | | 1220 x 620 x 75 | 14 | 10.08 |
| 1200 x 1200 (3.0) | 1~4 | | | |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Ocean Flower Tunguska Yellow



Ocean Flower Castol Blue | WN01 | HN02 | BN02
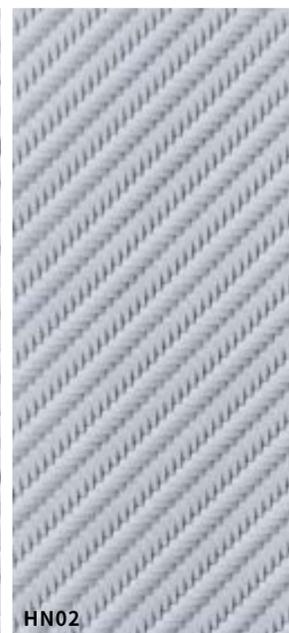
Ocean Flower Tunguska Yellow | ON02 | RN03 | FN04

Material science that shapes the future.
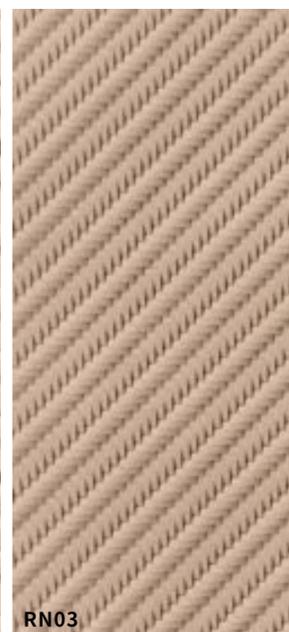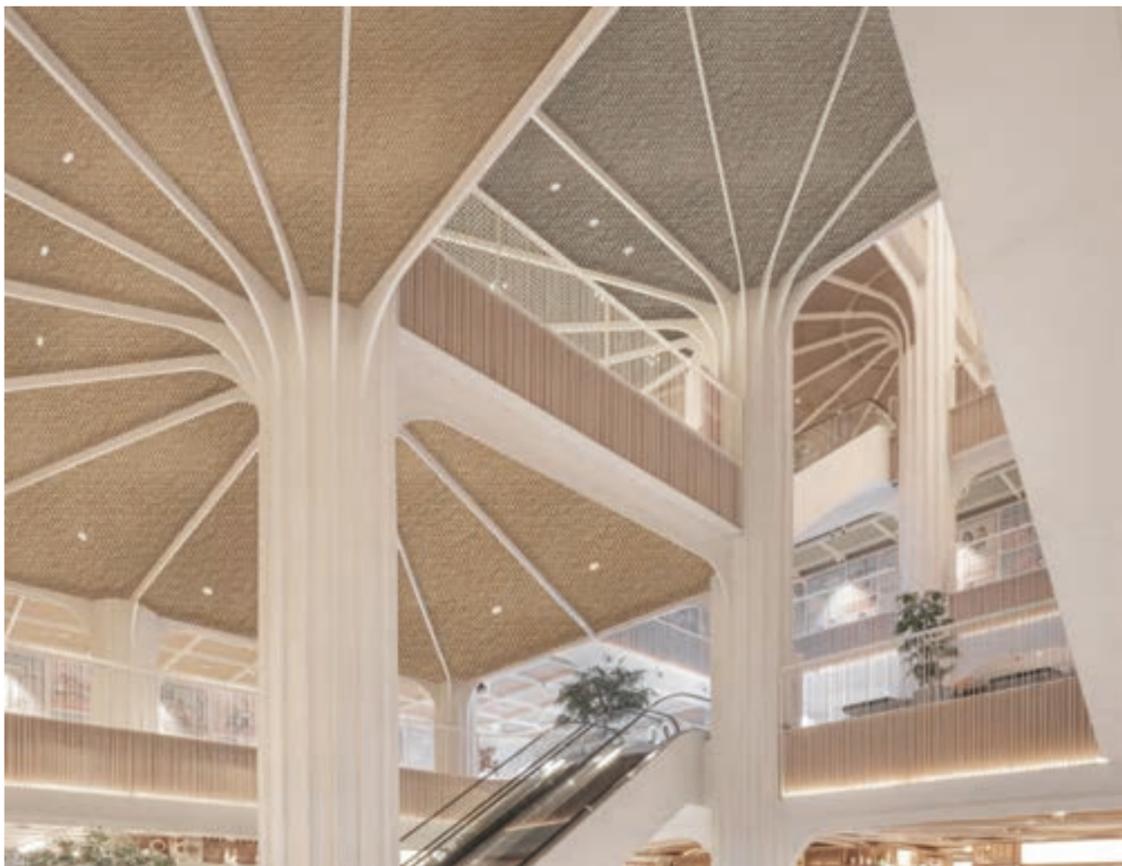
# W Herringbone

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | | 1220 x 620 x 75 | 16 | 11.52 |
| 1200 x 1200 (3.0) | 1~4 | Packed with wooden case as per order quantity (subject to packaging fee) | | |
| 2400 x 1200 (3.0) | | | | |

O03

WN01

HN02

BN02

ON02

O03

FN04

Material science that shapes the future.

# Rope Wave A

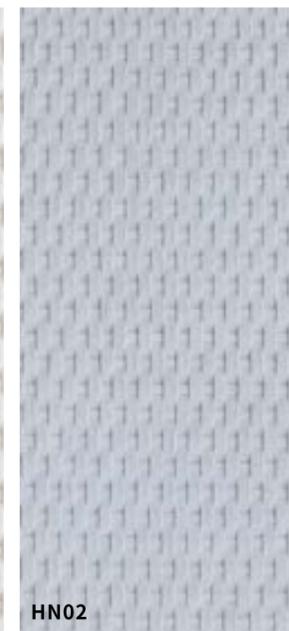| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | 1~4 | 1370 x 620 x90 | 18 | 14.58 |
| 2700 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

HY001

HY001　　　　HN02　　　　BN02

ON02　　　　RN03　　　　FN04

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**econiclay** coverings

WEAVING SERIES
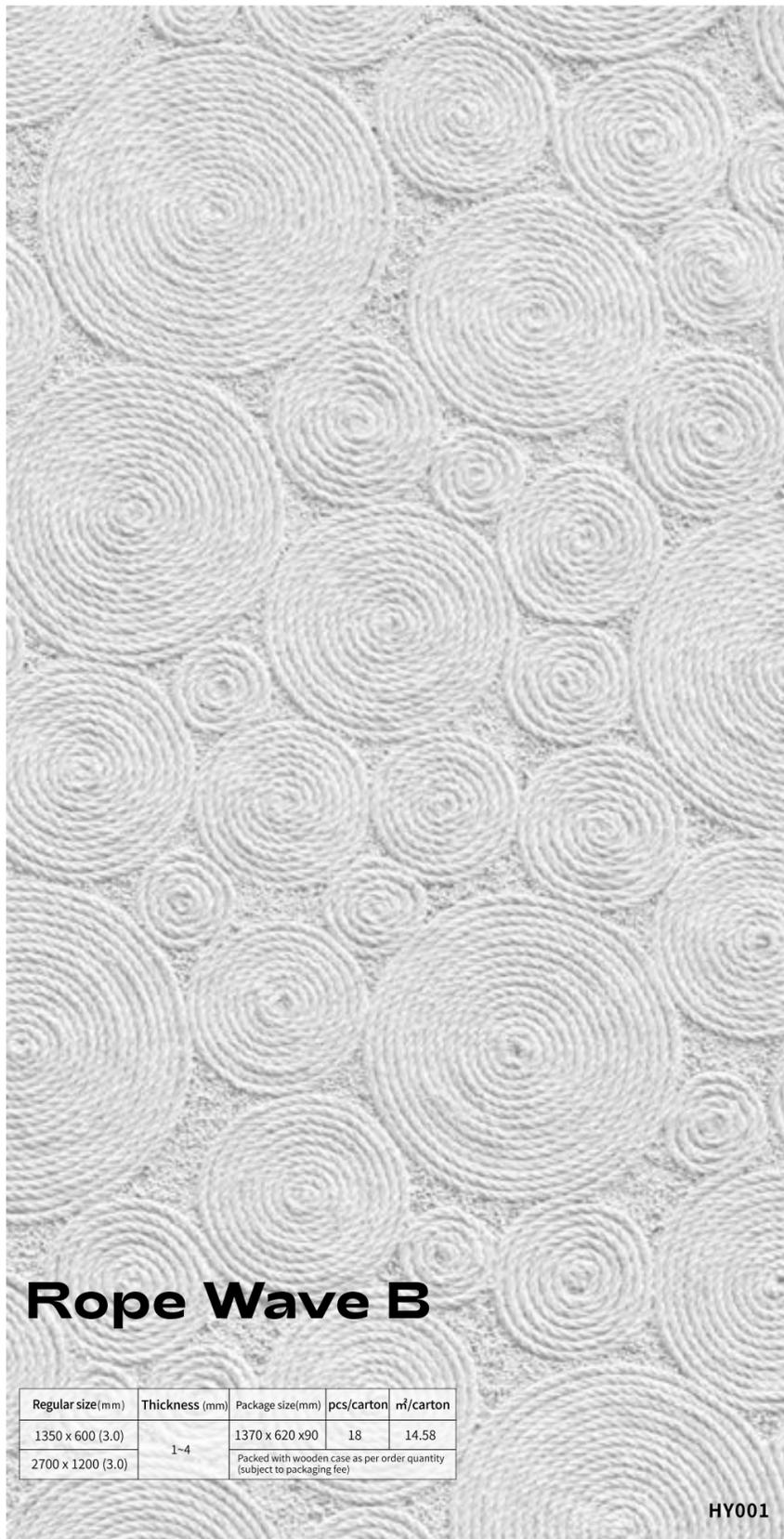
# Rope Wave B

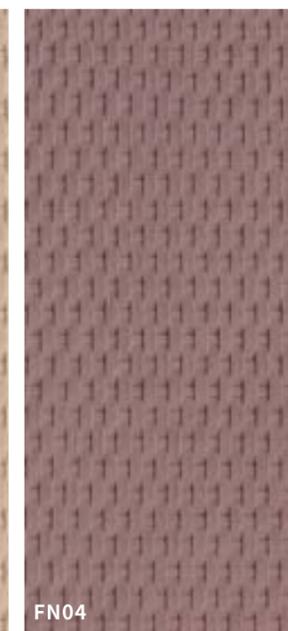| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | 1~4 | 1370 x 620 x90 | 18 | 14.58 |
| 2700 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

HY001

HY001    HN02    BN02

ON02    RN03    FN04

Material science that shapes the future.

95
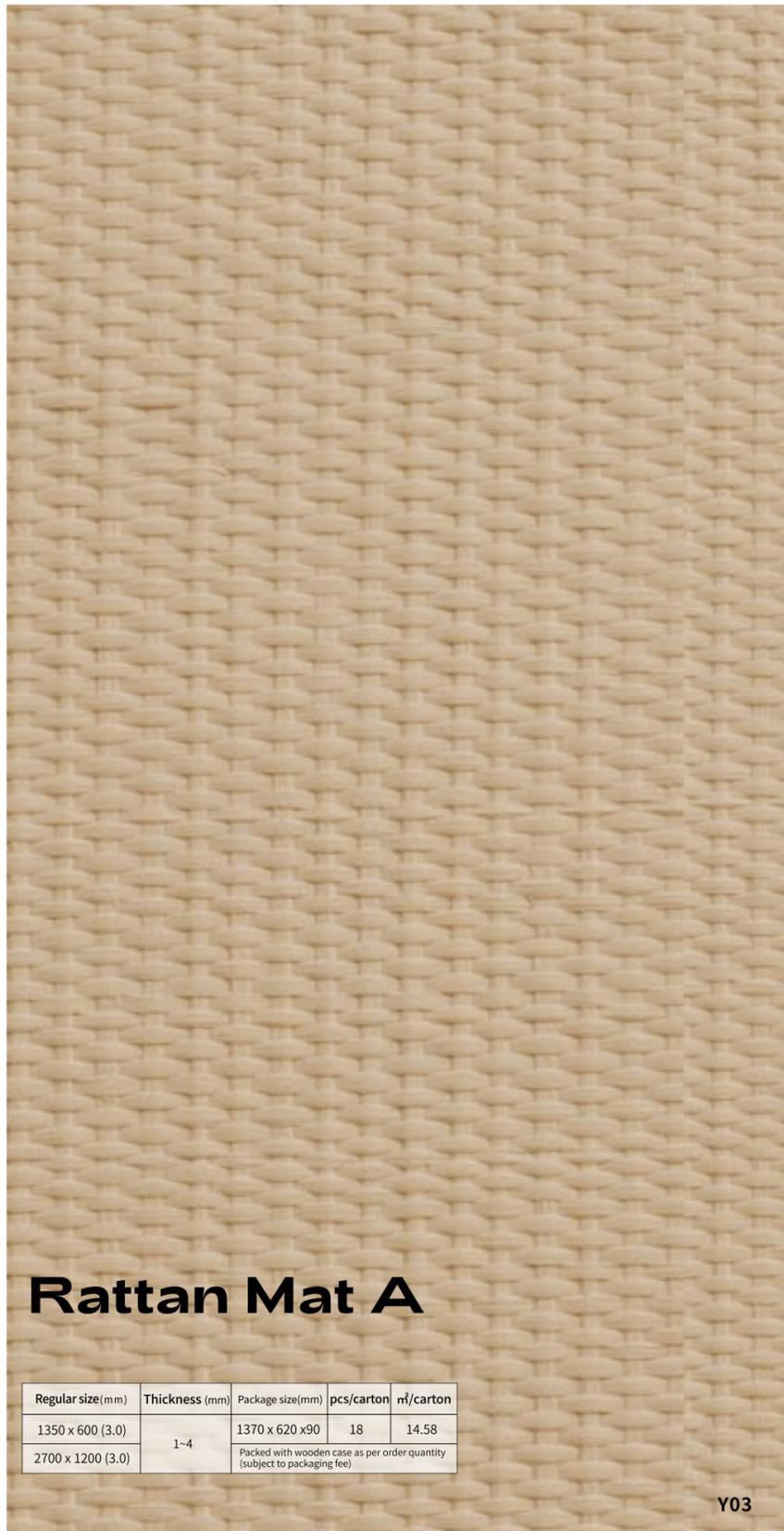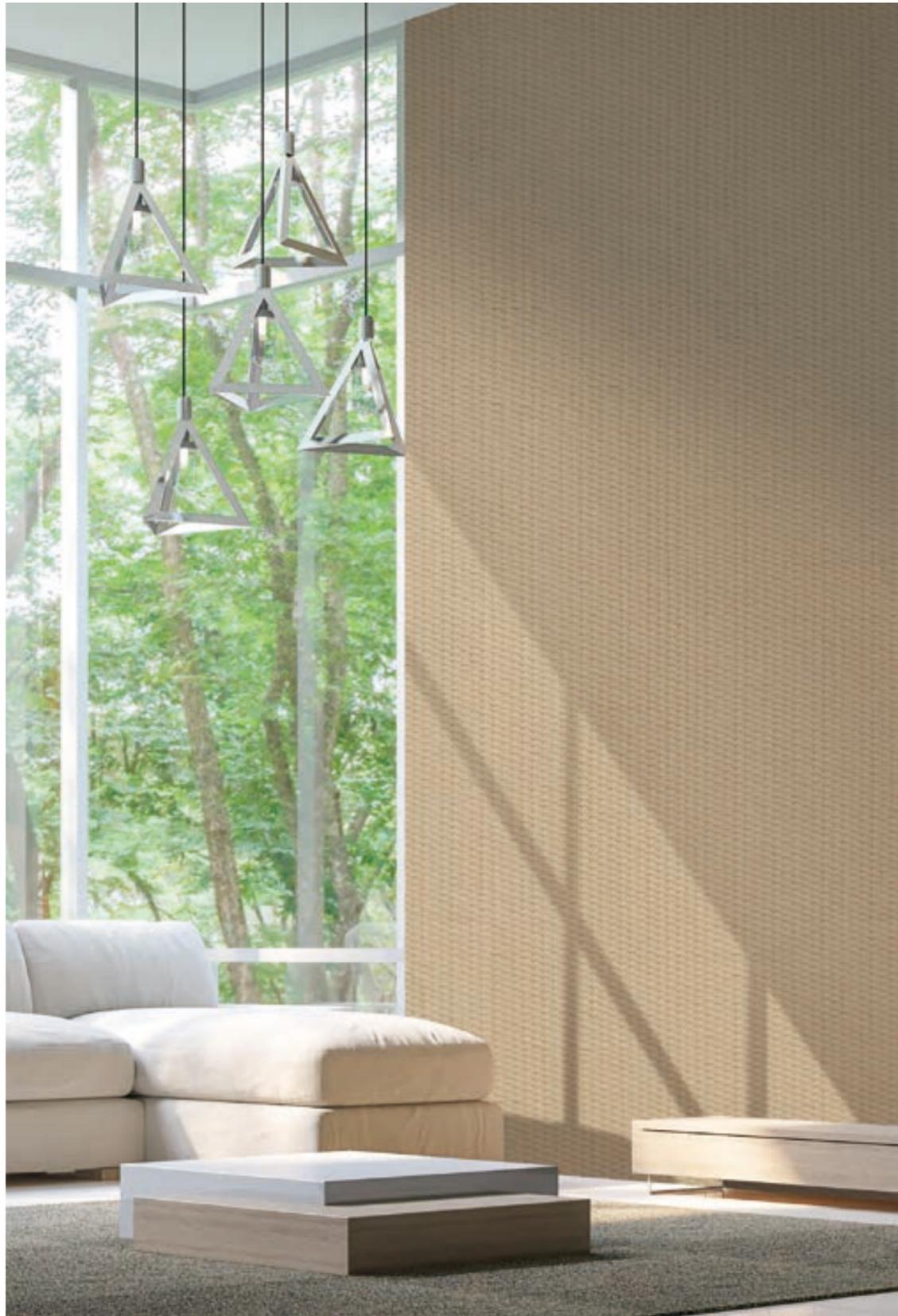
# Rattan Mat A

| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | 1~4 | 1370 x 620 x90 | 18 | 14.58 |
| 2700 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Y03

WN01

HN02

BN02

ON02

Y03

FN04

# Rattan Mat B

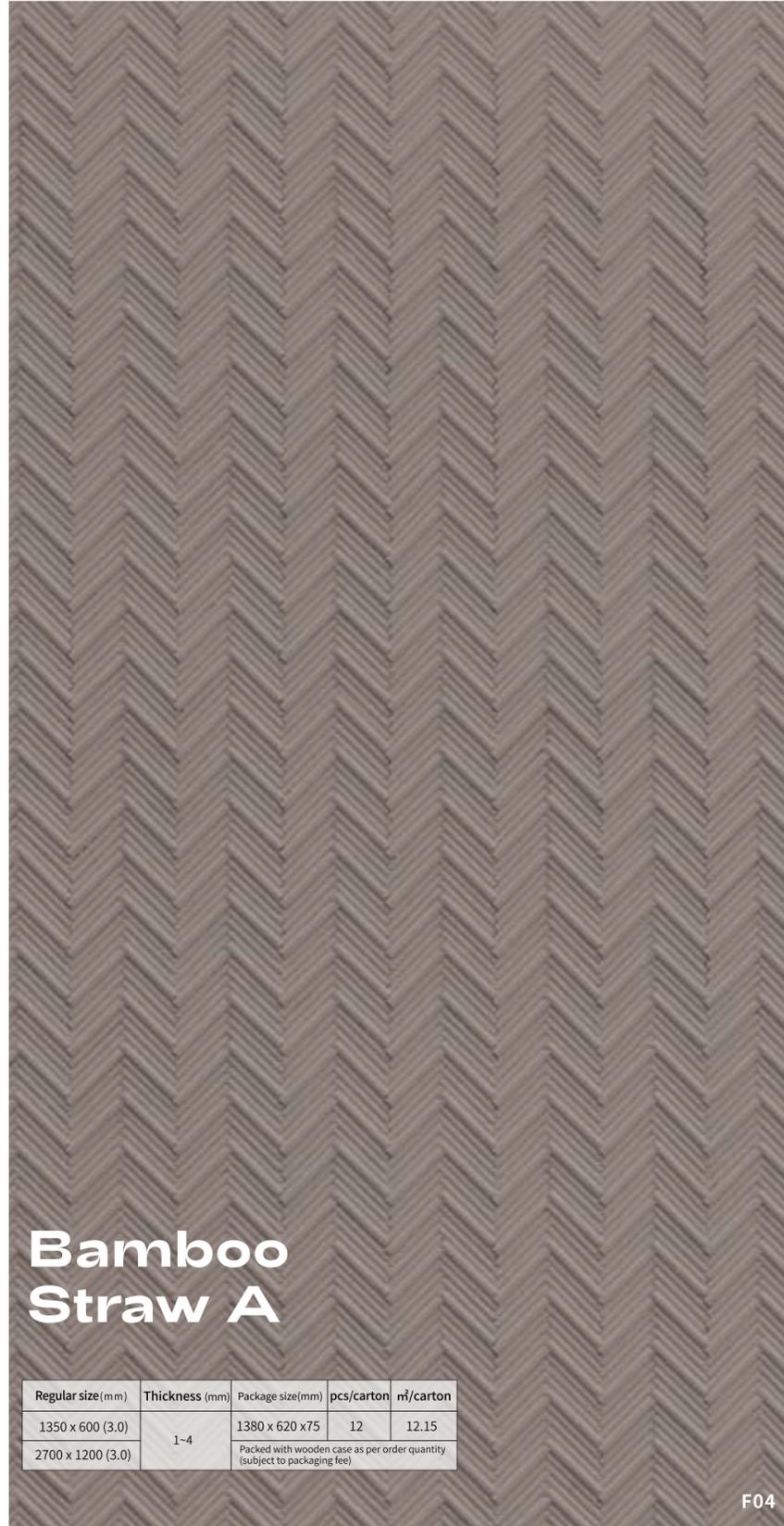| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1200 x 600 (3.0) | 3(±0.5) | 1220 x 620 x75 | 16 | 11.52 |
| 2400 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

HY001

HY001    HN02    BN02

ON02    RN03    FN04

Material science that shapes the future.

# Bamboo
# Straw A

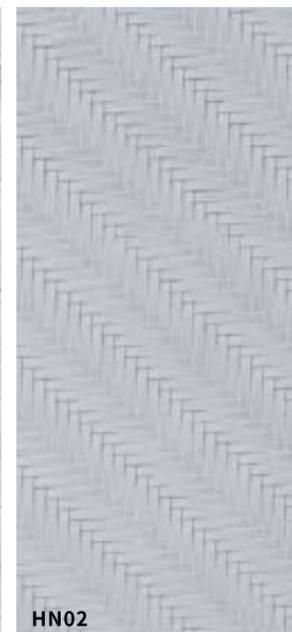| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | 1~4 | 1380 x 620 x75 | 12 | 12.15 |
| 2700 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

F04

WN01

HN02

BN02

ON02

F04

FN04

# Rattan Knit A

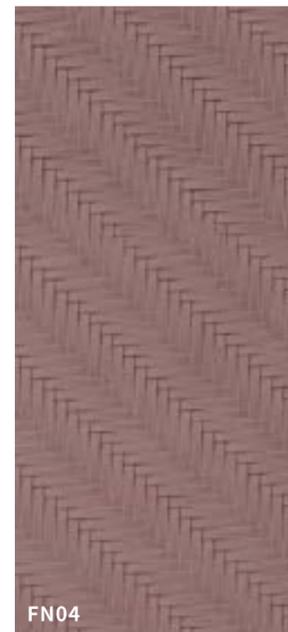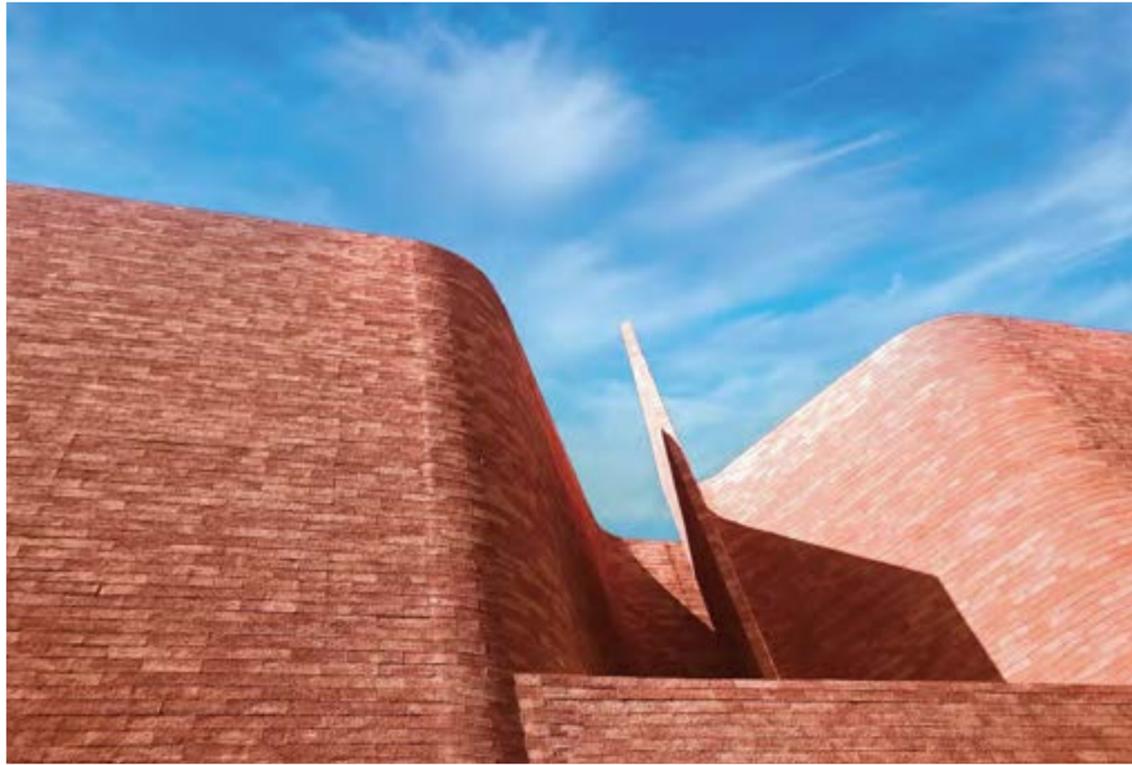| Regular size(mm) | Thickness (mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 1350 x 600 (3.0) | 1~4 | 1370 x 620 x90 | 18 | 14.58 |
| 2700 x 1200 (3.0) | | Packed with wooden case as per order quantity (subject to packaging fee) | | |

Y03



WN01

HN02

BN02

ON02

Y03

FN04

Material science that shapes the future.

Showcasing a diverse
collection of global bricks,
Exploring the rich history and
evolution of brick architecture.

Brick Series

G Os Cyan

# G Facing Brick

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 480 x 60 (4.0) | 2.5 (±0.5) | 500 x 500 x 90 | 96 | 5.5296 |
| 480 x 120 (4.0) | | | | |

Material science that shapes the future.


G Idyllic White


G Idyllic Yellow


G Idyllic Brown


G Idyllic Orange


G Kata White


G Kata Silver


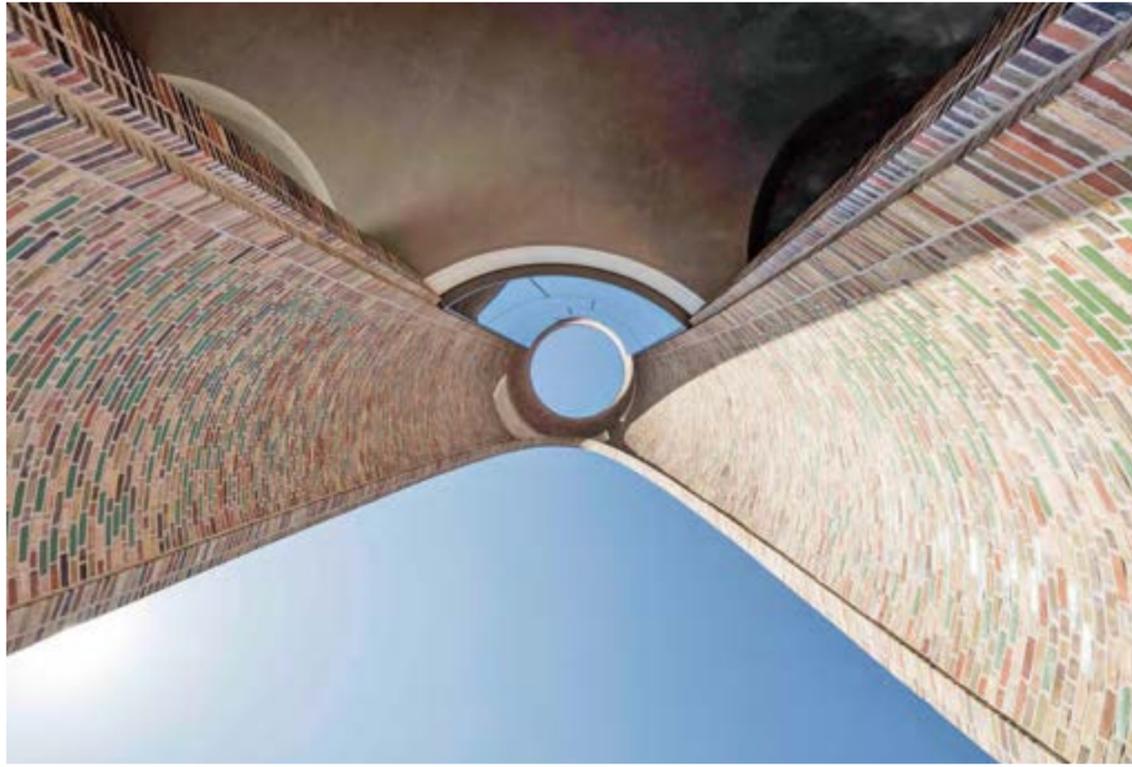G Kata Yellow


G Kata Orange


G Snowy White


G Snowy Brown


G Misted White


G Misted Grey


G Time White


G Time Grey

**Star Product Delivery Period: 3-5 days**

Material science that shapes the future.

# G Facing Brick

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 480 x 60 (4.0) | 2.5 (±0.5) | 500 x 500 x 90 | 96 | 5.5296 |
| 480 x 120 (4.0) | | | | |

G Os Red

G Idyllic Medium Grey

G Inks Dark Brown

G Palace Orange-green

G British Blue

G Inks Grey

G Inks Cyan

G Knight Grey

G Knight Cyan

G Palace Brown-green

G Os Orange
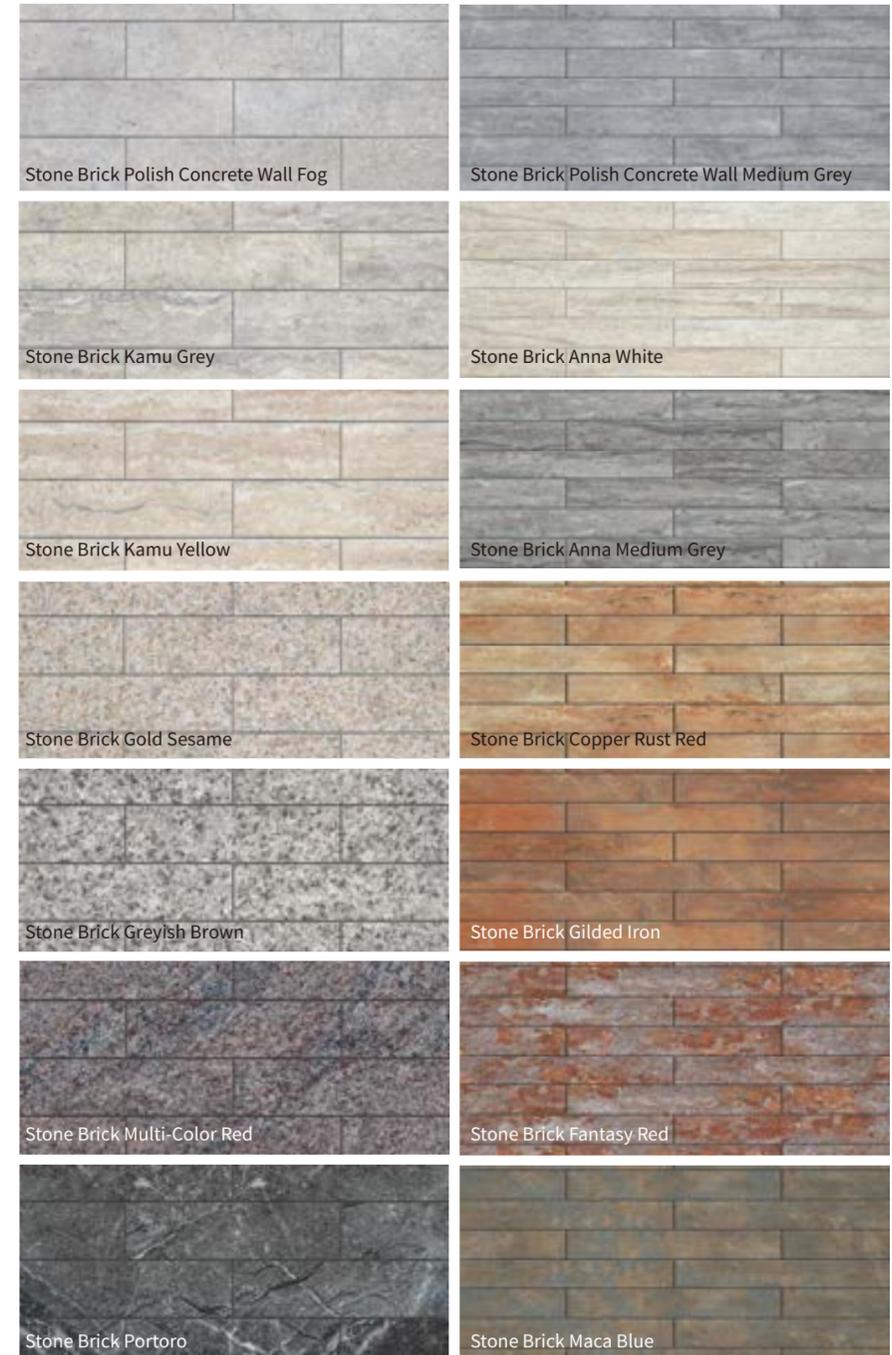
G Nilo Brown

G Knight Red

G Os Cyan

G Os Red

**Star Product Delivery Period: 3-5 days**

# Stone Brick

| Regular size(mm) | Thickness(mm) | Package size(mm) | pcs/carton | m²/carton |
|---|---|---|---|---|
| 480 x 60 (3.0) | 2.5 (±0.5) | 500 x 500 x 90 | 96 | 5.5296 |
| 480 x 120 (3.0) | | | | |

Stone Brick Kamu Yellow

Stone Brick Polish Concrete Wall Fog

Stone Brick Polish Concrete Wall Medium Grey

Stone Brick Kamu Grey

Stone Brick Anna White

Stone Brick Kamu Yellow

Stone Brick Anna Medium Grey

Stone Brick Gold Sesame

Stone Brick Copper Rust Red

Stone Brick Greyish Brown

Stone Brick Gilded Iron

Stone Brick Multi-Color Red

Stone Brick Fantasy Red

Stone Brick Portoro

Stone Brick Maca Blue

Material science that shapes the future.

# Performance comparison between eCovering and traditional building decorative materials

| No./ Performance | | eCovering | Ceramic Slab | Wall Cloth | Natural Stone | Coating | | | | Wood Veneer | | PVC Panel |
| | | | | | | Emulsion Paint | Diatom Mud | Mud Paint | Inorganic painting | Wood Veneer | Artificial Wood Veneer | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Fire Sately | A Class | A Class | C Class | A Class | C Class | A Class | A Class | B Class | C Class | C Class | B Class |
| 2 | Environmental Friendliness — Application | Excellent, UL certificate | Good, Environmental Labeling | Depends on quality. VOCs are typically above safe figures level | Depends on quality. Some varieties are radioactive | Poor VOCs are typically above safe figures level | Good No VOC release | Good No VOC release | Depends on quality | Depends on quality | Poor VOCs are typically above safe figures level | Depends on quality. VOCs are typically above safe figures level |
| | Environmental Friendliness — Production process | 3R* principles matched Low Energy Consumption Zero Emission Zero Pollution Renewable | Fails to match 3R* principles High Energy Consumption High Emission High Pollution Non-renewable | Depends on quality | Fails to match 3R* principles High Energy Consumption High Emission High Pollution Non-renewable | Depends on quality | Fails to match 3R* principles Destroy Nature Non-renewable | 3R* principles matched Low Energy Consumption Zero Emission Zero Pollution | Depends on quality | Fails to match 3R* principles Destroy Nature Non-renewable | Fails to match 3R* principles High Energy Consumption High Emission Non-renewable | Fails to match 3R principles High Energy Consumption Non-renewable |
| 3 | Moisture Absorption and Dampproof capacity | Excellent in moisture proofing. Keeps structure dry in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions | Excellent in moisture proofing. Keeps structure dry in wet conditions | Excellent in moisture proofing. Keeps structure dry in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions | Non-moisture proof Condensation in wet conditions |
| 4 | Moldproof | Good | Good | Poor | Good | Poor | Varies in quality | Good | Varies in quality | Poor | Good | Good |
| 5 | Breathability | Excellent | Poor | Poor | Excellent | Poor | Excellent | Excellent | Good | Excellent | Poor | Poor |
| 6 | Air-cleaning capacity | Able to absorb and decompose formaldehyde and odor due to its catalytic UV feature. | Unable to absorb formaldehyde Some are able to decompose formaldehyde on the surface | No | No | No | Able to absorb and decompose formaldehyde and odor | Able to absorb and decompose formaldehyde and odor | No | No | No | No |
| 7 | Durability | Durable No edge lifting Fastness Moldproof No emptying swell** | Durable No edge lifting Fastness Emptying swell** | Not durable, remains shape for 1-2 years Color fading Easy to mildew | Durable No edge lifting Fastness Emptying swell** | Not durable Fades fast, especially dark colors Easy to mildew | Not durable No peeling Softening with water Powdering | Durable No peeling Fastness Moldproof Remains hard effected by water | Durable Fastness Moldproof Remains hard effected by water | Not durable Easy rots Easy to mildew | Not durable Easy to deform Edge lifting Color shading | Durable No edge lifting Moldproof No emptying swell |
| 8 | Salt Spray Resistance | Good | Good | Good | Good | Poor | Poor | Good | Good | Poor | Poor | Good |
| 9 | Application/ construction method complexity | Simple, No anchoring required | Complex | Simple | Complex | Simple | Complex | Situation Depends | Complex | Simple | Simple | Simple |

* 3R principles refer to reducing，reusing and recycling.
** Emptying Swell refers to an effect caused by a high air pressure created in the cavity under the low/none-air permeable cladding that causes its detachment from the surface.

# Certification

1. UL: American Conference of Governmental Industrial
2. EU EPD Environmental Product Certification
3. EU CE certification and Class A fireproof certification
4. Russia (GoST) standard certification
5. Polish Conference of Governmental Industrial
6. TPAT Customs-Trade Partnership
7. 2014/90/EU MED 96/98/ECe 2014/
8. Czech Republic fire safety A Class
9. Russia fire safety A Class
10. Malaysia fire safety A class
11. Singapore Greenlable Green certification
12. Korea Green Building Material certification
13. UNIEN ISO 14021: Products contain at least 40 percent recyclable material before consumption
14. China certification and Class A fireproof certification
15. UNIEN ISO9001 National Quality Management System certification
16. China National Safety Standardization Production Certificate
17. China National Occupational Safety and Health Management System Administration
18. CCEP(China Certification for Environmental Products)
19. China 3-star Greenlable Green certification