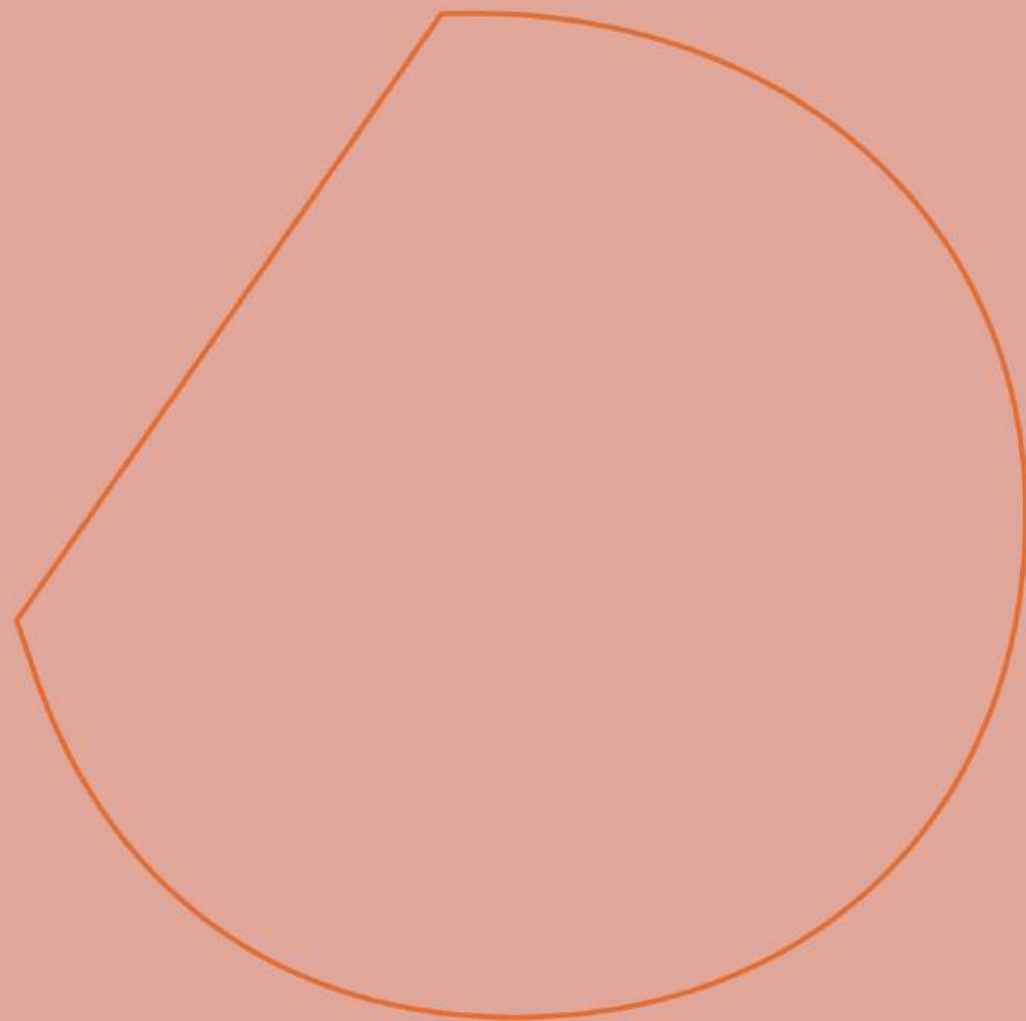




Why Cardamia is Sustainable

Stone Series

Polish Concrete Wall Series

Rammed Earth Wall Series

Wood Series

econiclay for interior & exterior design

We are starting a material revolution: We transform natural clay into a new material which is versatile in design and long-lasting: Cardamia. Nature and design are the two most important terms in the Cardamia vocabulary. Cardamia is an invitation to all architects and designers to become pioneers with a sustainable approach.

designed to build a better world

/1

Who we are

Cardamia is a new material based on econiclay Technology by PHOMI Holding. It is an invitation to design and build sustainably. It enables architects and designers to be design pioneers. At the same time, it combines cutting-edge design with a warm and earthy approach.

Architectural Aesthetics



Designer Insight



It guides sustainable design and architecture, empowering architects and designers to lead with innovation.



Our mission

To offer a new sustainable and modern design that gives people a sense of well-being. Cardamia as a material combines ecological and economic advantages with iconic design. The econic clay is a natural material that opens up new future-oriented perspectives for urban living.

why is cardamia so sustainable?

/2

From nature

- ✓ Releases negative ions: 1,000m² is equivalent to planting 1,000m² of forest
- ✓ Mold and bacteria-resistant, Class A fireproof
- ✓ Perfect for both interior and exterior, with a 50-year weather resistance

near-zero-carbon, and sustainable



Product Carbon
Footprint Certified by
Bureau Veritas



Built to Last: Tested for 18 years under extreme climates, with over 60 millionm² of application cases in 120 countries

Versatile Applications: Salt spray resistant, freeze-thaw resistant, breathable, lightweight, and easy to install; suitable for irregular shapes, ceilings, bathrooms, and more

material revolution



econiclay
stone series

Rome Travertine

Bookart Grey



Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
3000x1200mm	3.0	3($\pm$ 0.6)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee).
2400x1200mm	3.0	3($\pm$ 0.6)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee).
1200x600mm	4.0	3.2($\pm$ 0.2)mm	1220x620x75mm, 16 pcs/cartoon, 11.52 m ² /cartoon
1200x600mm	3.0	3($\pm$ 0.6)mm	1220x620x75mm, 18 pcs/cartoon, 12.96 m ² /cartoon

Rome Travertine Application Reference





Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
3000x1200mm	3.0	3($\pm$ 0.6)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
2400x1200mm	3.0	3($\pm$ 0.6)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	4.0	3.2($\pm$ 0.2)mm	1220x620x75mm, 16 pcs/cartoon, 11.52 m ² /cartoon
1200x600mm	3.0	3($\pm$ 0.6)mm	1220x620x75mm, 18 pcs/cartoon, 12.96 m ² /cartoon

Rome Travertine
Lightwave Silver

Rome Travertine Application Reference





Rough Surface
Hyger Grey



Shinodew Silver



Loey Yellow



Kaiyat Mid Yellow



Loey Grey



SKA Yellow



Hyger Light Grey



Hyger Red



Kaiyat Grey



Hyger Grey



Kaiyat Red

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
3000x1200mm	3.0	1-4mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
2400x1200mm	3.0	1-4mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	1-4mm natural unevenness	1220x620x75mm, 12 pcs/cartoon, 8.64 m³/cartoon

● Rough Surface Application Reference

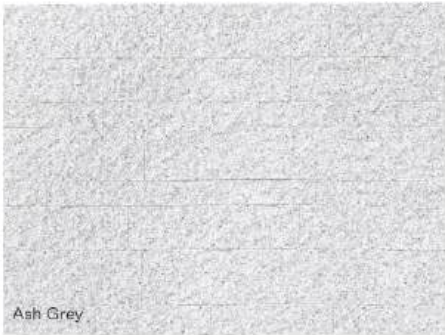




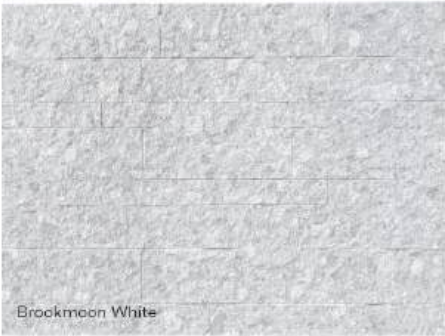
Roughface Mix
Pale Yellow



Roffi White



Ash Grey



Brookmoon White



Hydr Light Grey



Footrock Yellow

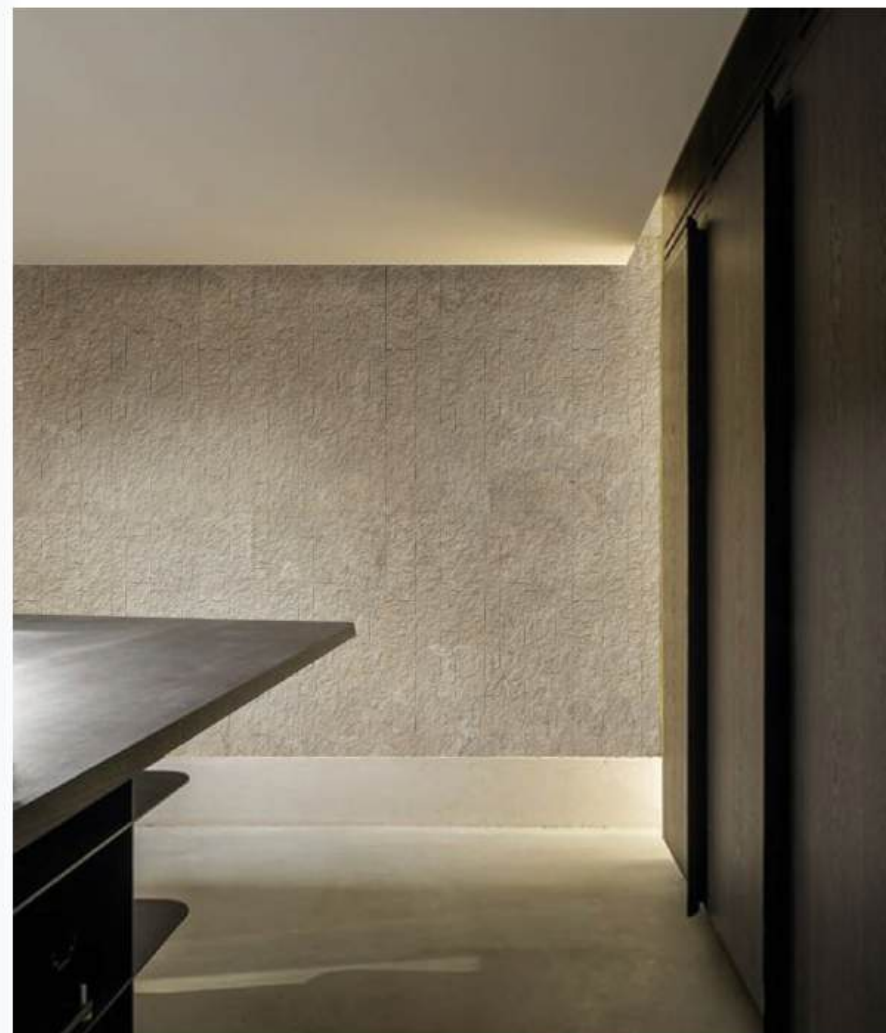


Footrock Red

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2700x1200mm	3.0	1-4mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
900x1200mm	3.0	1-4mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)

Roughface Mix Application Reference





Roffi White



Loey Yellow



Hyer Light Grey



Kaiyat Mid Yellow



Hyer Mid Grey



Hyger Red

Oblique Mushroom

Hyer Light Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	1-8mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	1-8mm natural unevenness	1220x620x75mm, 8 pcs/cartoon, 5.76 m ² /cartoon

● Oblique Mushroom Application Reference





Mount Celestial

Kaiyat Mid Yellow



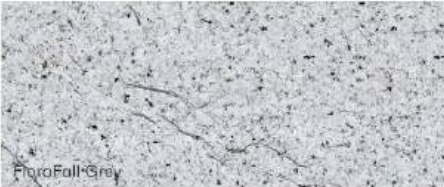
Roffi White



Prat White



Kaiyat Mid Yellow



FloraFall Grey



Kaiyat Orange



Hyer Light Grey



Risesun Yellow



Hillshadow Grey



Hyer Red



Hyer Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
3000x1200mm	3.0	1-3mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
2400x1200mm	3.0	1-3mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	1-3mm natural unevenness	1220x620x75mm, 18 pcs/cartoon, 12.96 m ² /cartoon

● Mount Celestial Application Reference





Marble
Kaiyat Mid Yellow



Laey White



Lightwave Silver



Laey Yellow



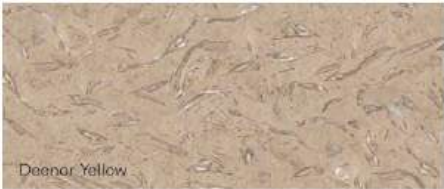
SKA Grayish Yellow



Kaiyat Mid Yellow



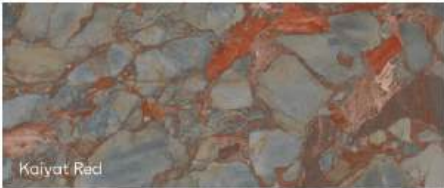
Kaiyat Grey



Deenar Yellow



Kaiyat Black



Kaiyat Red



Hyger Dark Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	2.5(±0.5)mm	1220x620x75mm, 20 pcs/cartoon, 14.4 m ² /cartoon
1200x600mm	4.0	3.2(±0.2)mm	1220x620x75mm, 16 pcs/cartoon, 11.52 m ² /cartoon

Marble Application Reference





Bush Hammered
SKA Grey



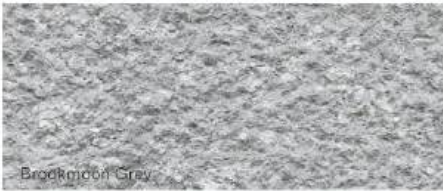
Refin White



Floodfall Gray



SKA Yellow



Brookmoor Gray



SKA Grey



Hyger Grey



Brook Oak



Hyer Mid Gray



Kaiyat Mid Yellow

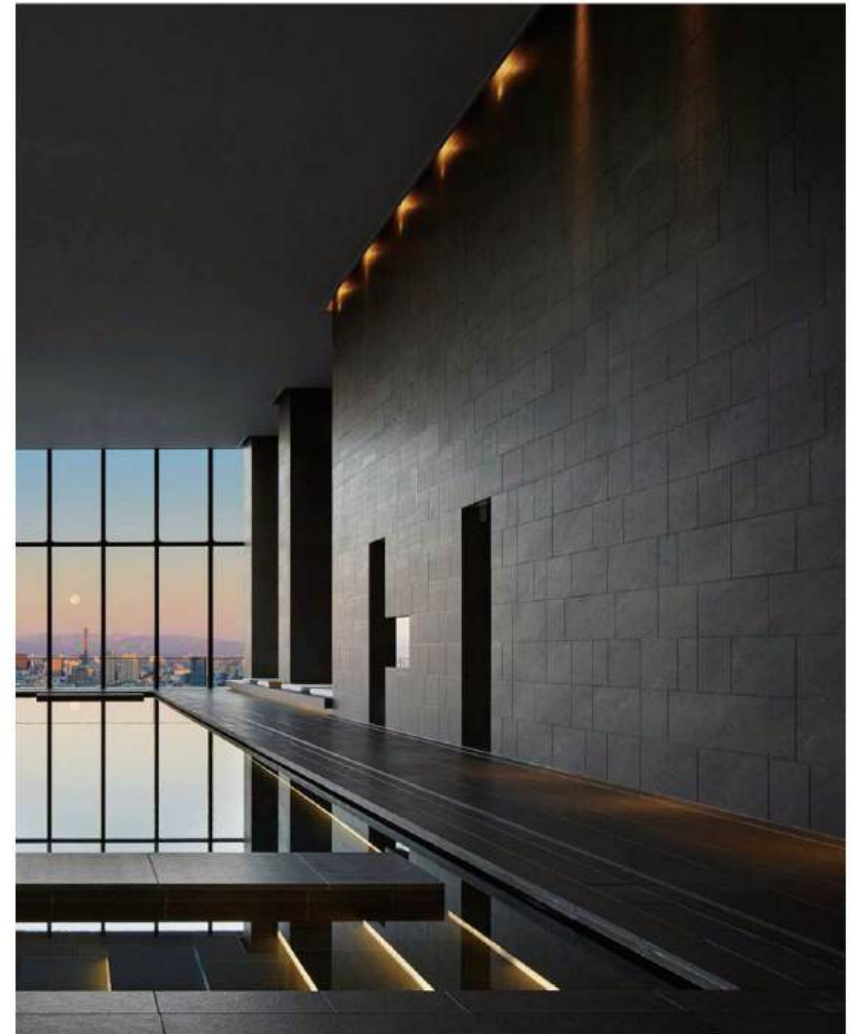


Hyger Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2760x1200mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1380x600mm	3.0	2.5(±0.5)mm	1400x620x65mm, 18 pcs/carton, 1490 m ² /carton

● Bush Hammered Application Reference





Rockface Stone
Kariyat Mid Yellow



Roffi White



FloraFall Grey



Pollie Yellow



SKA Yellow



Deenar Yellow



SKA Red



Kariyat Mid Yellow



Hyger Mid Grey



Hyger Red



Hyger Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	1-4mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	1-4mm natural unevenness	1220x620x75mm, 6 pcs/cartoon, 4.32 m ³ /cartoon

● Rockface Stone Application Reference





Oman Linear Stone
Lightwave Grey



Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
3000x1200mm	3.0	1-4.5mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
2700x1200mm	3.0	1-4.5mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1350x600mm	3.0	1-4.5mm	1380x620x65mm, 8 pcs/cartoon, 6.48 m ² /cartoon

● Oman Linear Stone Application Reference



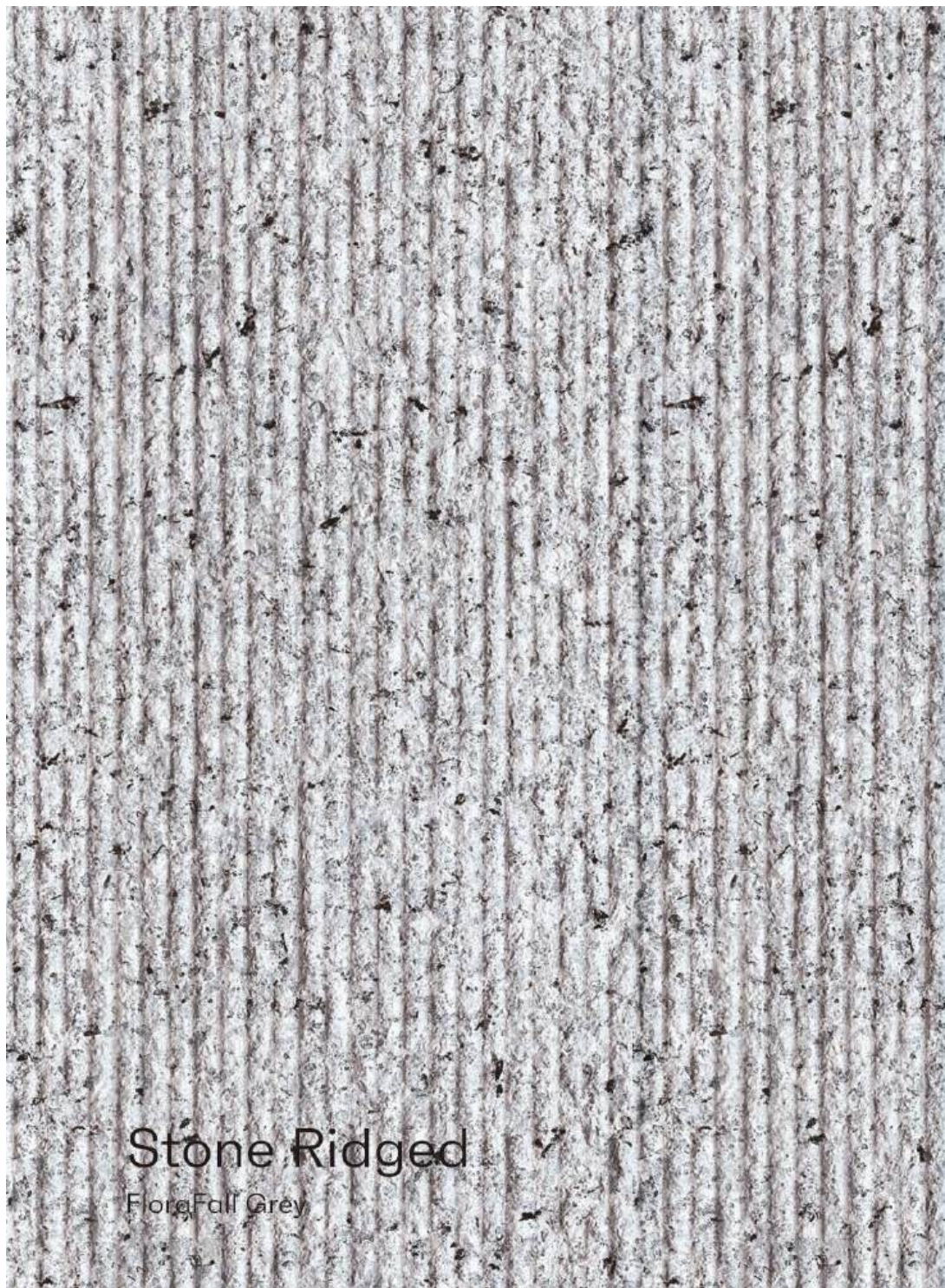


Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	1-4.5mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	1-4.5mm	1220x620x75mm, 8 pcs/cartoon, 5.76 m ³ /cartoon

● Chiseled Stone Application Reference





Stone Ridged
Flora Fall Grey



Roof White



Leey Yellow



Shinedow Silver



Florall Grey



Sika Yellow



Floro Dora



Kalyat Mid Yellow



Hyer Light Grey



Hyer Red



Hyer Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	3(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	3(±0.5)mm	1220x620x75mm, 16 pcs/carton, 11.52 m ³ /carton

Stone Ridged Application Reference



Roffi White



Arcuate Rock

Isoline Silver



Product image is for reference only. Actual product may vary.

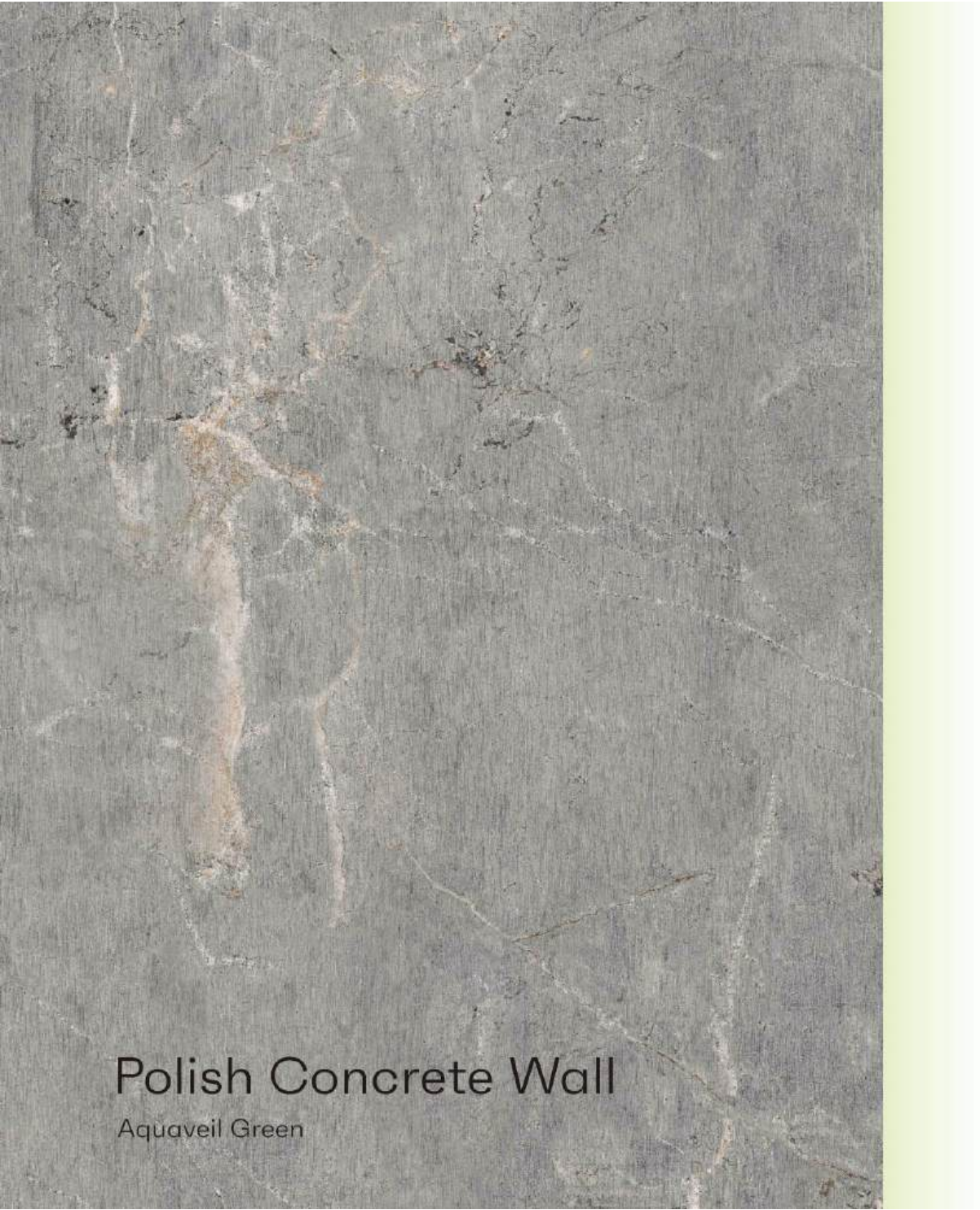
Specification	Generation	Thickness	Package
2800x1200mm	3.0	1-5mm natural unevenness	Packed with wooden case/wooden pallet as per order quantity (subject to packaging test)

● Arcuate Rock Application Reference





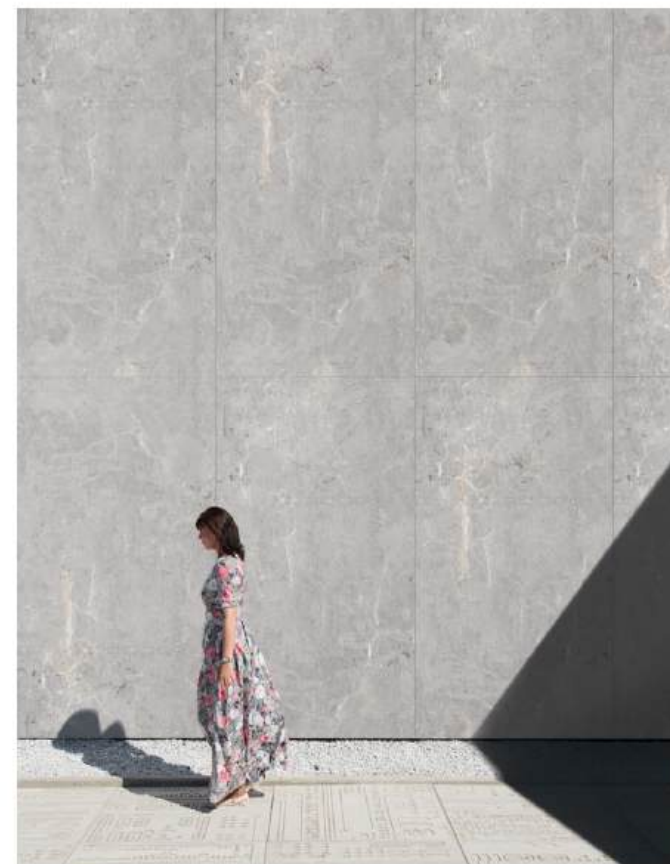
econiclay
polish
concrete
series



Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1200x600mm	3.0	2.5(±0.5)mm	1220x620x75mm, 20 pcs/cartoon, 14.4 m ² /cartoon
1200x600mm	4.0	3.2(±0.2)mm	1220x620x75mm, 16 pcs/cartoon, 11.52 m ² /cartoon

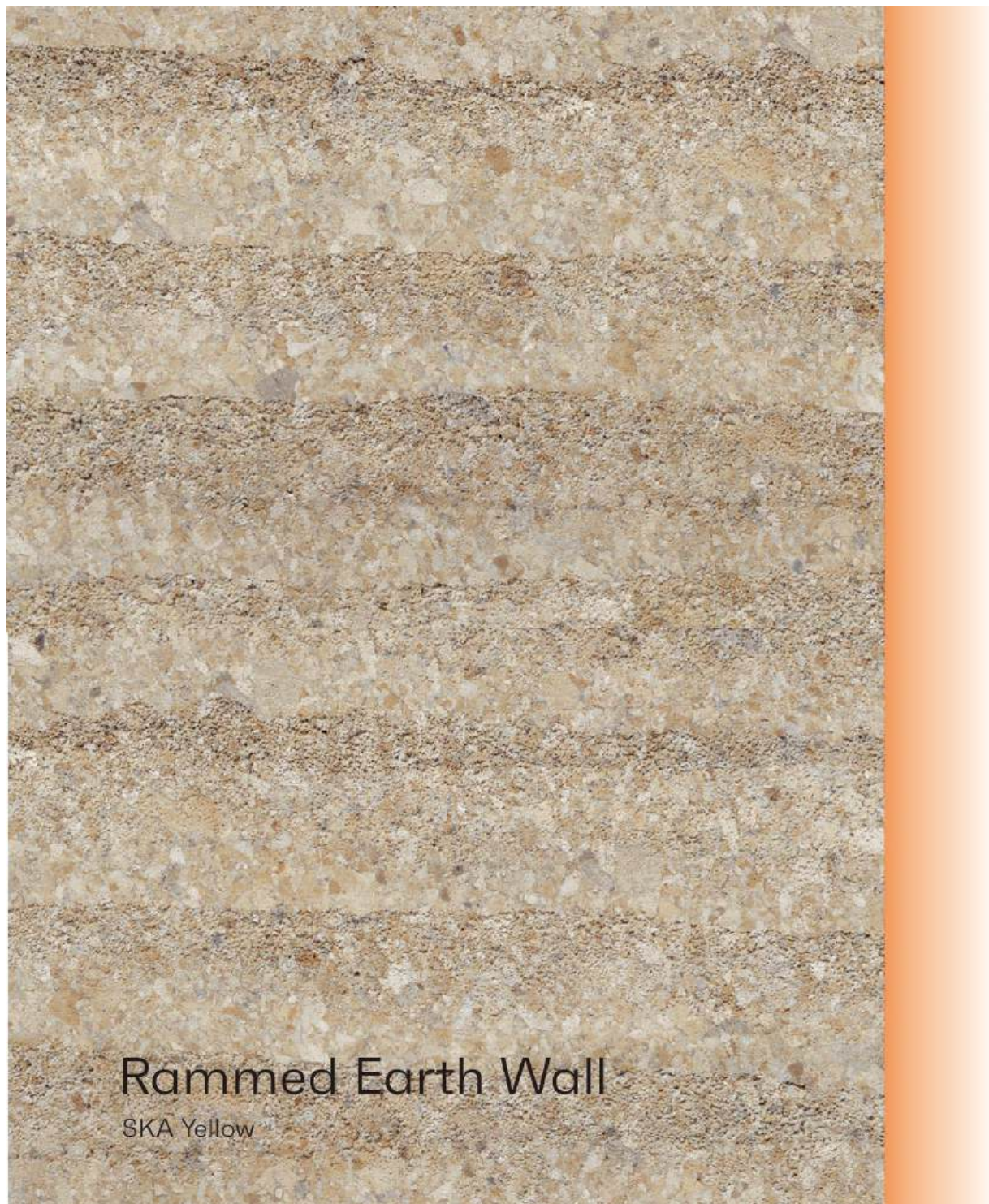
Polish Concrete Wall Application Reference





econiclay

**rammed
earth
series**



Rammed Earth Wall

SKA Yellow



Roff White



Bookart Yellow



Shinedaw Silver



SKA Yellow



Deenar Yellow



SKA Grey



Bookart Brown



Bookart Grey

Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2400x1200mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee) 1220x620x75mm, 16 pcs/carton, 11.52 m ² /carton
1200x600mm	3.0	2.5(±0.5)mm	

Rammed Earth Wall Application Reference





econiclay
wood series

Poly Wood

Rowen Mid Yellow



Product image is for reference only. Actual product may vary.

Specification	Generation	Thickness	Package
2700x1200mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
2700x300mm	3.0	2.5(±0.5)mm	Packed with wooden case/wooden pallet as per order quantity (subject to packaging fee)
1360x300mm	3.0	2.5(±0.5)mm	1380x620x65mm, 4/2 pcs/cartoon, 1701 m²/cartoon

● Poly Wood Application Reference



Unique Value

Lightness:

4-7kg/m², with a bending modulus that resists cracking at 60 degrees. Can be bent and transported in high-rise building elevators.

Chemical Corrosion Resistance:

Surface cleaning can be done with hand soap, laundry detergent, and water. Avoid using organic solvents such as benzene and thinner.

Wear Resistance:

Resistant to regular wiping with cloth and water, but should not be cleaned with steel wool or sharp objects to avoid damaging the surface.

Freeze-thaw Resistance

Resistant to frost expansion, suitable for all climates. However, installation is recommended between 20°C and 35°C.

Fire Resistance

Made of over 95% inorganic materials, offering Class A fire resistance. It will not contribute to fire or release toxic substances in the event of a fire.

Eco-friendly and Recyclable

Cardamia products are made from natural materials. They do not release harmful substances into the environment, are easy to crush and grind, and fully recyclable for other production processes.

Wet installation system



1. Strict acceptance inspection of the base guarantees its cleanness and smoothness without empty drum.

2. Cut the product with a table saw or handheld cutter.



3. Plastering on product back, with plastering rate up to 90%.



4. 2 to 3 people work together to align this product with skirting at the bottom and paste it.

5. Drive a nail into the product top with a nail gun to prevent its falling. (*Never drive a nail into the product's middle or bottom part; otherwise, the surface may swell.)

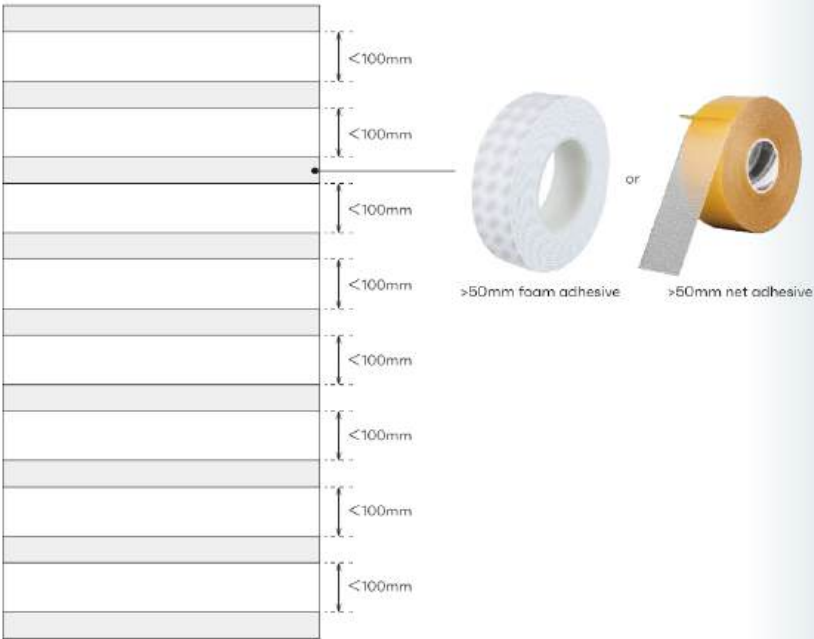


6. At last, clean the surface with a dry sponge.

Technical Guide

Double face adhesive pasting

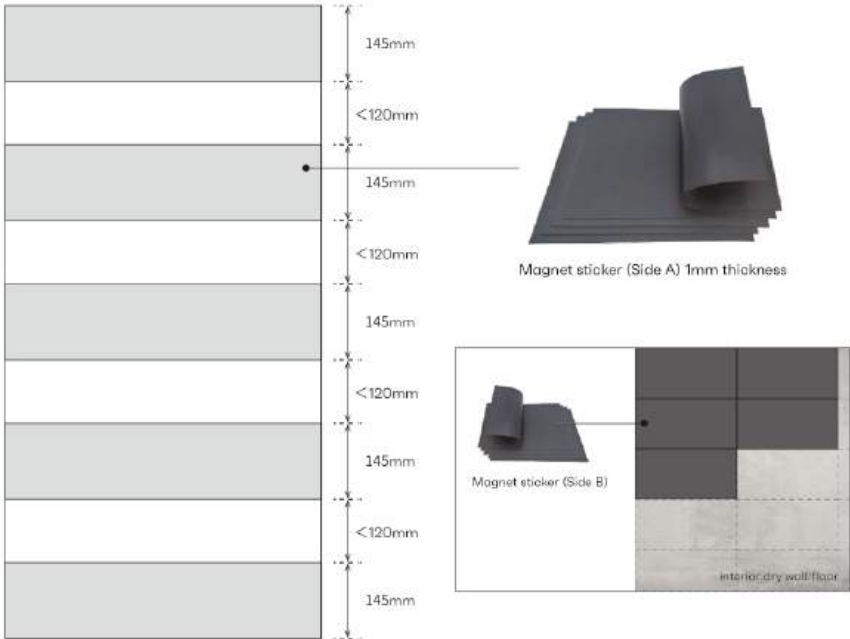
Only for interior dry wall and floor application only



$\leq 1200 \times 600\text{mm}$ product back side

Magnet sticking

Only for interior dry wall and floor application only



$\leq 1200 \times 600\text{mm}$ product back side