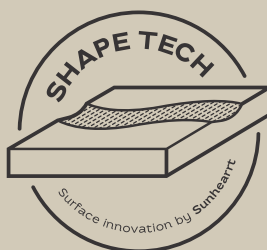


**SUNHEARRT**  
CERAMIK

# SHAPE TECH

Surface innovation by Sunhearrt



**60x120cm**

**COLLECTION 2024**

# SUNHEARRT INTRODUCTION

## Path-breaking innovations with a Promise of quality!

Inspired in collection, and unmatched in design; Sunhearrt, a brand by Sunshine Tiles Company Pvt. Ltd., through its novel technology and product introductions, is leading the Ceramic industry to achieve a peerless national and global reputation in becoming a single-stop solution for any space amplification.

Penetrating the industry with an ever-expanding portfolio, Sunhearrt has now diversified its core strength of Ceramics, and Vitrified tiles into GVT/PVT, Porcelain, Sanitaryware, as well as a range of complete Tiling Solutions.

## Elevating spaces, uplifting surface experience!

Reshaping spaces by constantly enhancing surroundings with new possibilities. Sunhearrt promises the amalgamation of innovation and style, crafting high-end ceramic excellence. It is about taking space to a higher level, making it more appealing and adaptive.

Our focus lies in transcending the ordinary, where every tile, every design, echoes the essence of sophistication and durability. Sunhearrt stands as a beacon for those seeking not just elegance but an enduring legacy woven into the very fabric of their spaces.

## Company strength and achievements that defines our place in the industry.



AMONG **TOP 10** CERAMIC BRANDS IN INDIA



ONE OF **THE LARGEST TILE EXPORTERS**, CONSECUTIVELY FOR THE LAST 6 YEARS



**14+ SIZES** IN 5000+ DESIGNS



PRESENCE IN **60+ COUNTRIES**



**25 MILLION SQM.** MANUFACTURING CAPACITY/ANNUM



THE FIRST COMPANY IN THE CERAMIC INDUSTRY WITH **3-STAR EXPORT HOUSE**



**1195+** BUSINESS PARTNERS



INVESTMENTS IN **RENEWABLE ENERGY**



## Tiles

Flooring the extensions of your dream space, tiles from Sunhearrt are a great addition to every ambience. With their simplistic elegance and finesse, our tiles introduce modernity and grandeur by manufacturing the best alternatives and replacements to natural surfaces. This collection, thence, is the perfect choice for 'architecting' the spectacular!



## SURFACE INSPIRATION

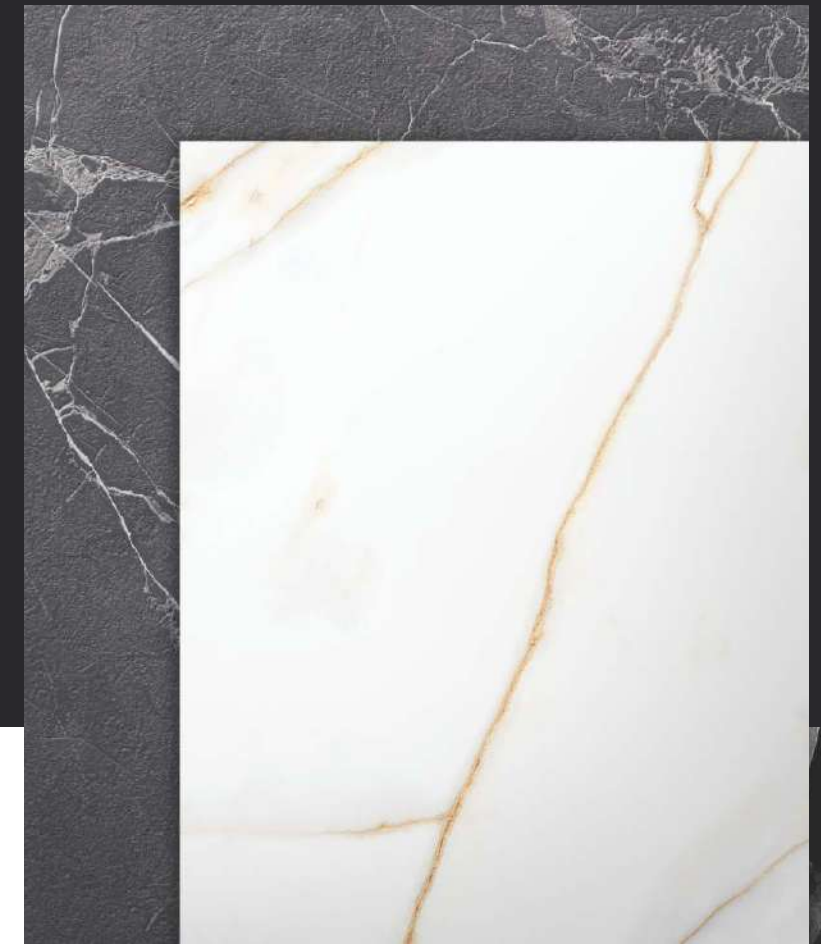


Explore the unexplored depth of nature through a marvelous creation setting new standards in the ceramic industry.



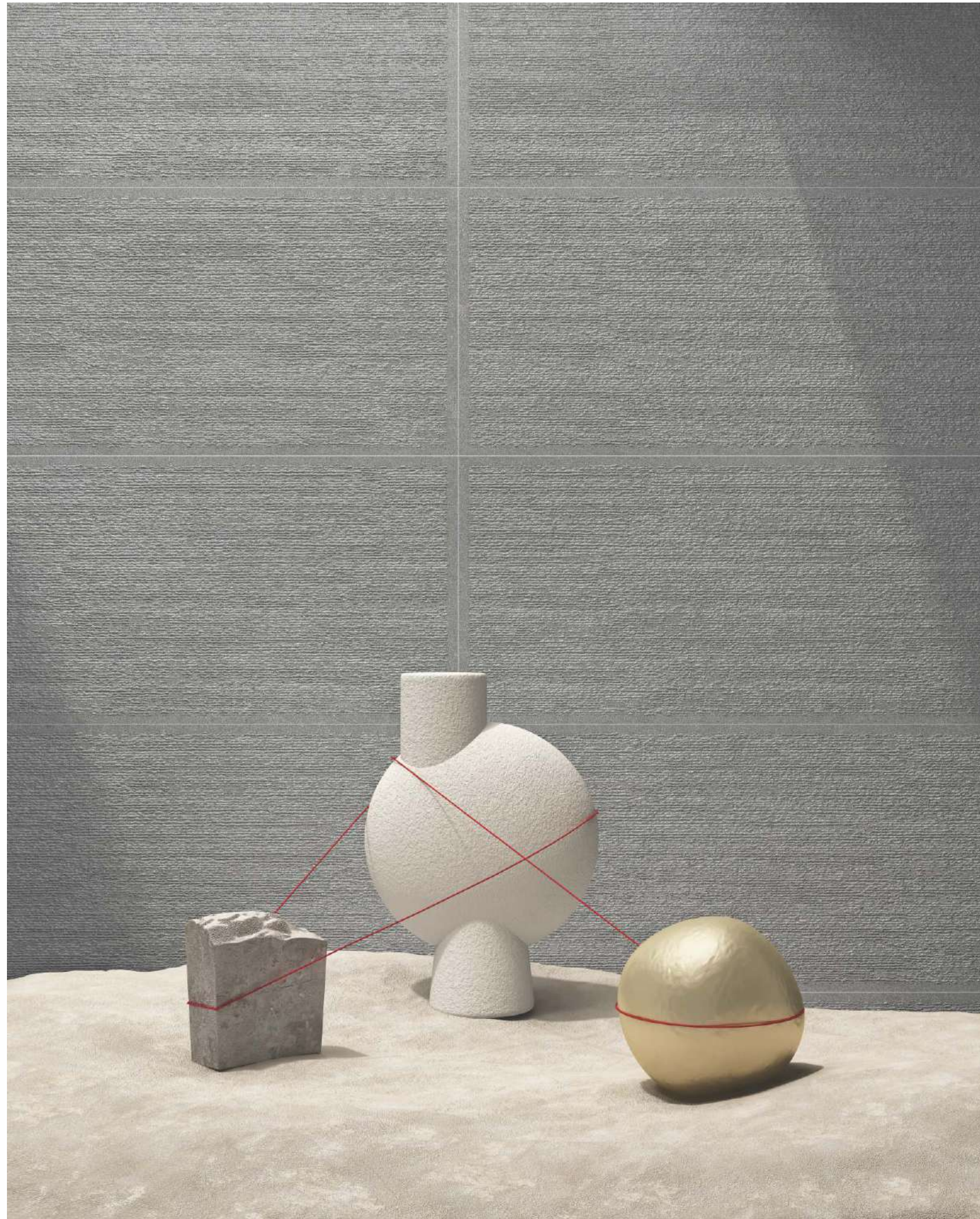
PRECISION  
TACTILE  
REAL TOUCH

Creating inspiring spaces of tomorrow by magnificently laying the refined beauty of nature in the subtlest of forms on the tile's surface.





# INTRODUCTION OF SHAPE TECH



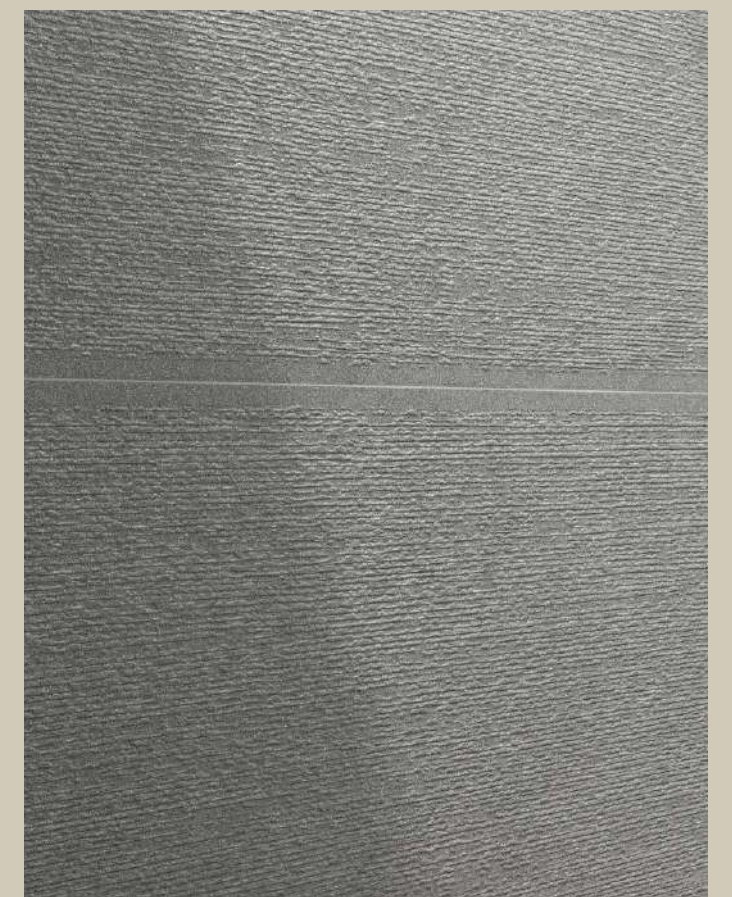
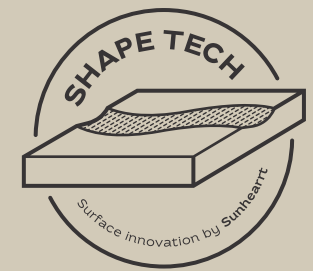
PRODUCTS INTRODUCTION

## THE NEW AGE CREATION WHERE NATURE MEETS INNOVATION

The fascinating convergence of nature and innovation led to an inspiring breakthrough - SHAPE TECH that replicates nature's efficiency & resilience.

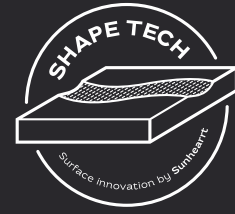
Introducing you to trailblazing innovation in ceramics, breaking boundaries in design aesthetics & style. The Shape Tech surface by Sunhearrt is crafted using the most advanced technology - 4D Tech in the tile industry. These surfaces are inspired by nature & its elements, and the relief textures imprinted on the tile's surface let you harmonize with the natural world.

The breakthrough collection ensures greater precision, versatility and efficiency. With a diverse gallery of surface designs, it seamlessly intertwines inspiration with innovation, inviting endless possibilities for creative expression and functional adaptation.





# FUSION OF RELIEF AND GRAPHICS



## SHAPE TECH

Surface Innovation by Sunhearrt

### Intrinsic

The textures, sinuosity, and veining found in nature all follow capricious rules, and it is this random nature that makes them so very lovely. Nothing is ever identical and this singularity is the secret to nature's beauty.

Sunhearrt's passion for detail has led it to develop technology able to reproduce nature in its maximum of expressions, captured down to the tiniest of details.

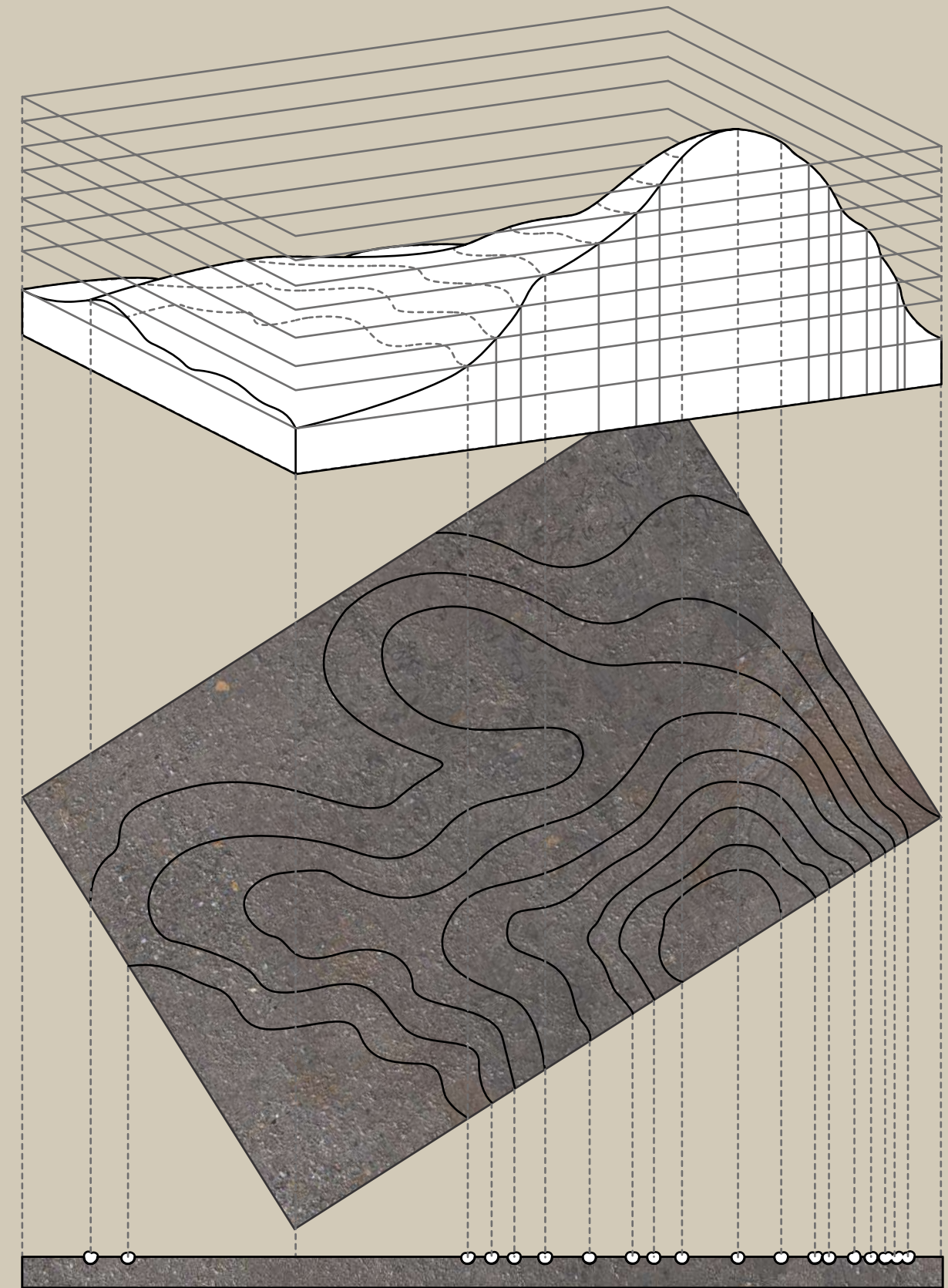
Digital technology is used to create textures that coincide perfectly with the printed pattern, leading to some of the most natural-looking designs ever to be seen on ceramic tiles.

### Accurate

Our printing inks reach each and every part of the printed texture. The tiles are printed with absolute precision, carefully marrying the design with the corresponding texture to unparalleled technical effect.

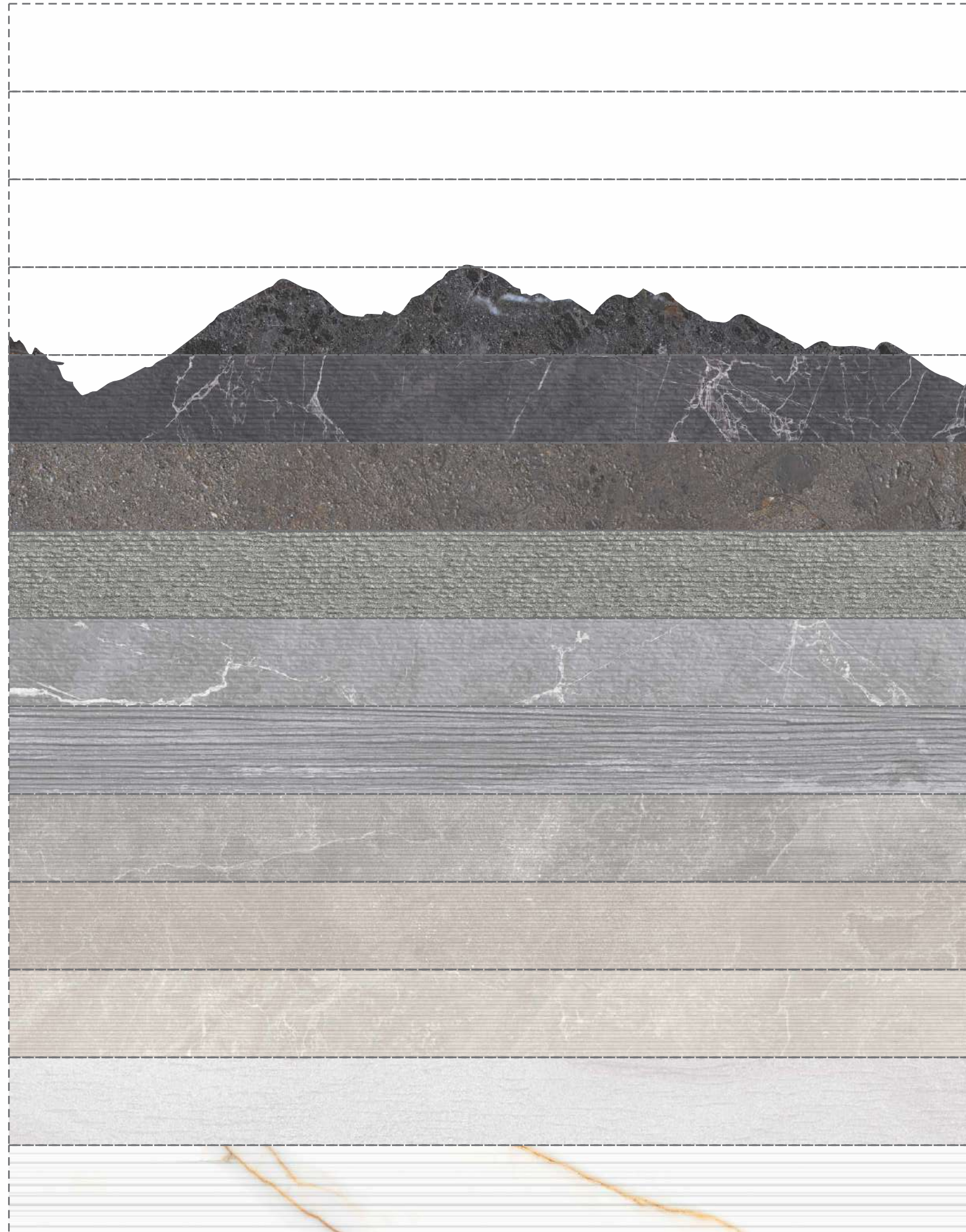
### Tactile

There are no optical illusions. Everything is real. What you see and what you touch are one and the same thing. The printed veins coincide perfectly with the texture. Everything you have always longed for in ceramic tiles has now been achieved by Sunhearrt.

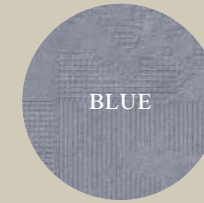




# VIVID PUNCHES OFFER PALETTE OF POSSIBILITIES



Unfold a diverse palette of earthy hues, taking cues from nature and matching every decor style and vision.

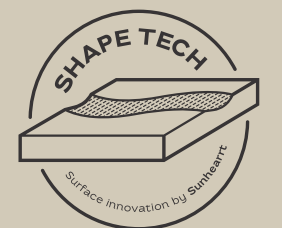


## UNFOLD ARTISTRY IN EVERY SHADE



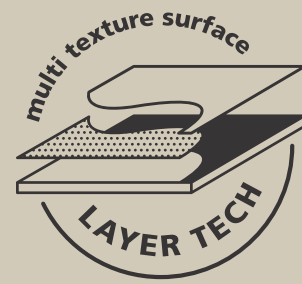
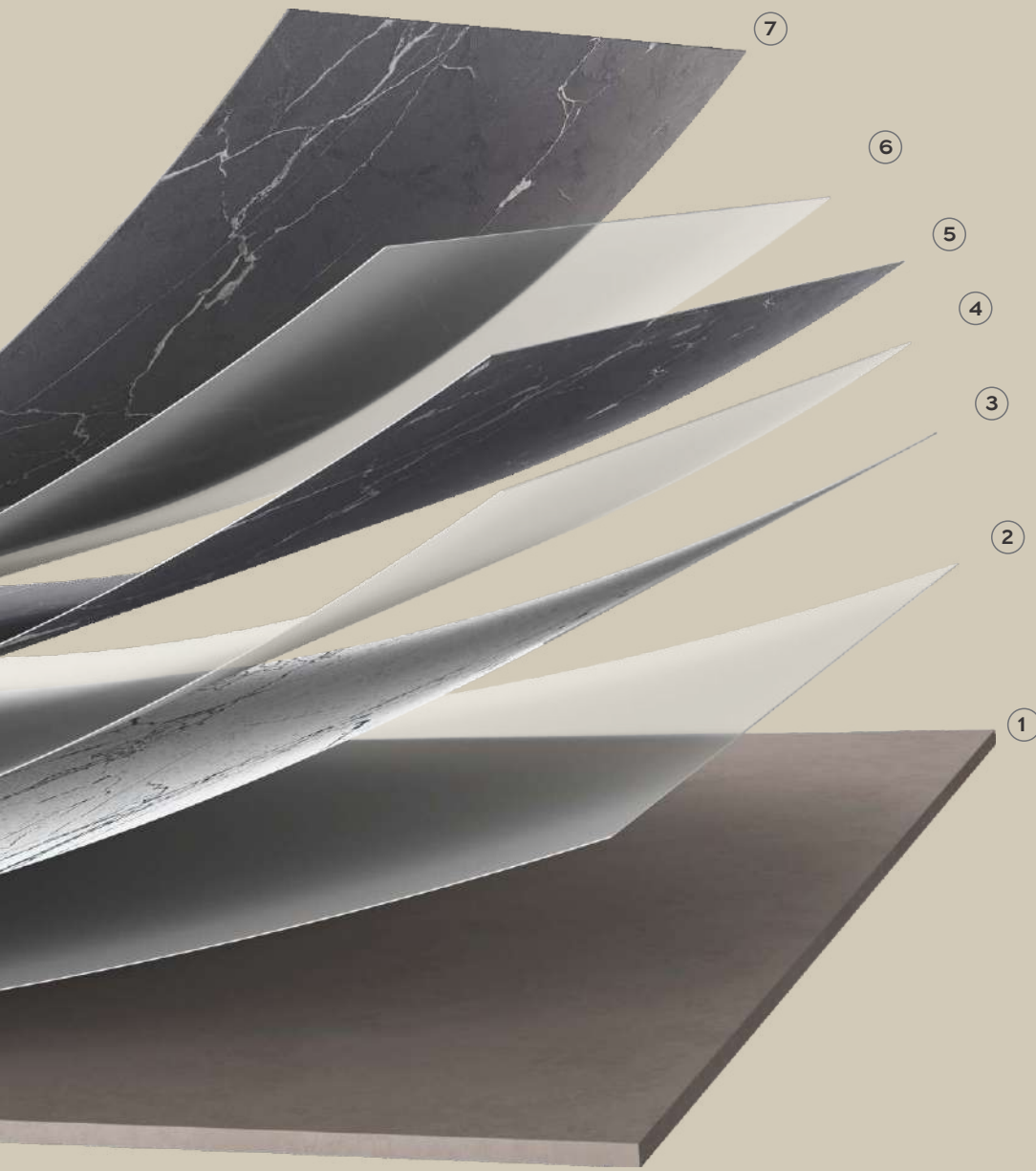
### The tactile elegance of thickness

Give the extra edgy and resilient character to areas with tiles with a 9mm thickness. Further, the 60x120cm format is ideal for defining versatile settings, both indoors & outdoors.





# LAYERS OF SHAPE TECH



The surface innovation from Sunhearrt - the Shape Tech features layers crafted to the tiniest details. This modern ceramic marvel incorporates a tech layer above the tile base and an englobe layer integrating tactile patterns and further enhancement of the same with multiple glaze layers and a digital print layer of design topped with the polished layer, thus creating finish excellence.

1) Base Layer

7) Tactile Overlay

2) 1<sup>st</sup> Protective Layer

6) 3<sup>rd</sup> Protective Layer

3) Shape Tech Layer

5) Design Layer

4) 2<sup>nd</sup> Protective Layer

# 4D TECH

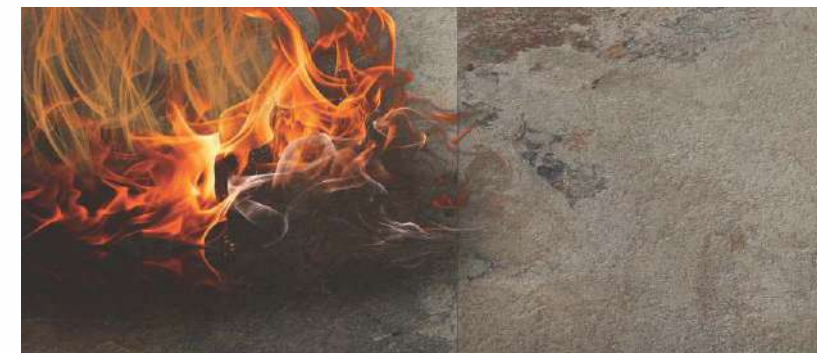
## CRAFTED BY SUNHEARRT <sup>4D</sup>

Innovative technology - our ace card!

4D Tech is an excellent ceramic innovation, adding an extra dimension to surfaces and raising standards in the industry.

A new and nuanced approach

This avant-garde technology offers versatility, efficiency, greater accuracy and sustainability. Most importantly, it prioritizes quality.



### Dimension

An unprecedented level of precision and distinction has been attained with 4D Tech technology. It enhances finer details, higher definition and versatile effects inspired by our real sources.

### Design

Introducing not only larger dimensions but also a broader array of Designs in ceramic tiles previously unimagined.

### Definition

Driven by the thought of bringing innovation and ceramics together, we at Sunhearrt came up with 4D TECH technology, a new-age creation, transforming the appeal of tiles and enhancing its quality to the maximal level.

### Distinction

Surfaces crafted by Sunhearrt using the 4D TECH technology establish new benchmarks in design, harnessing fresh aesthetic and material possibilities that enhance product appeal.

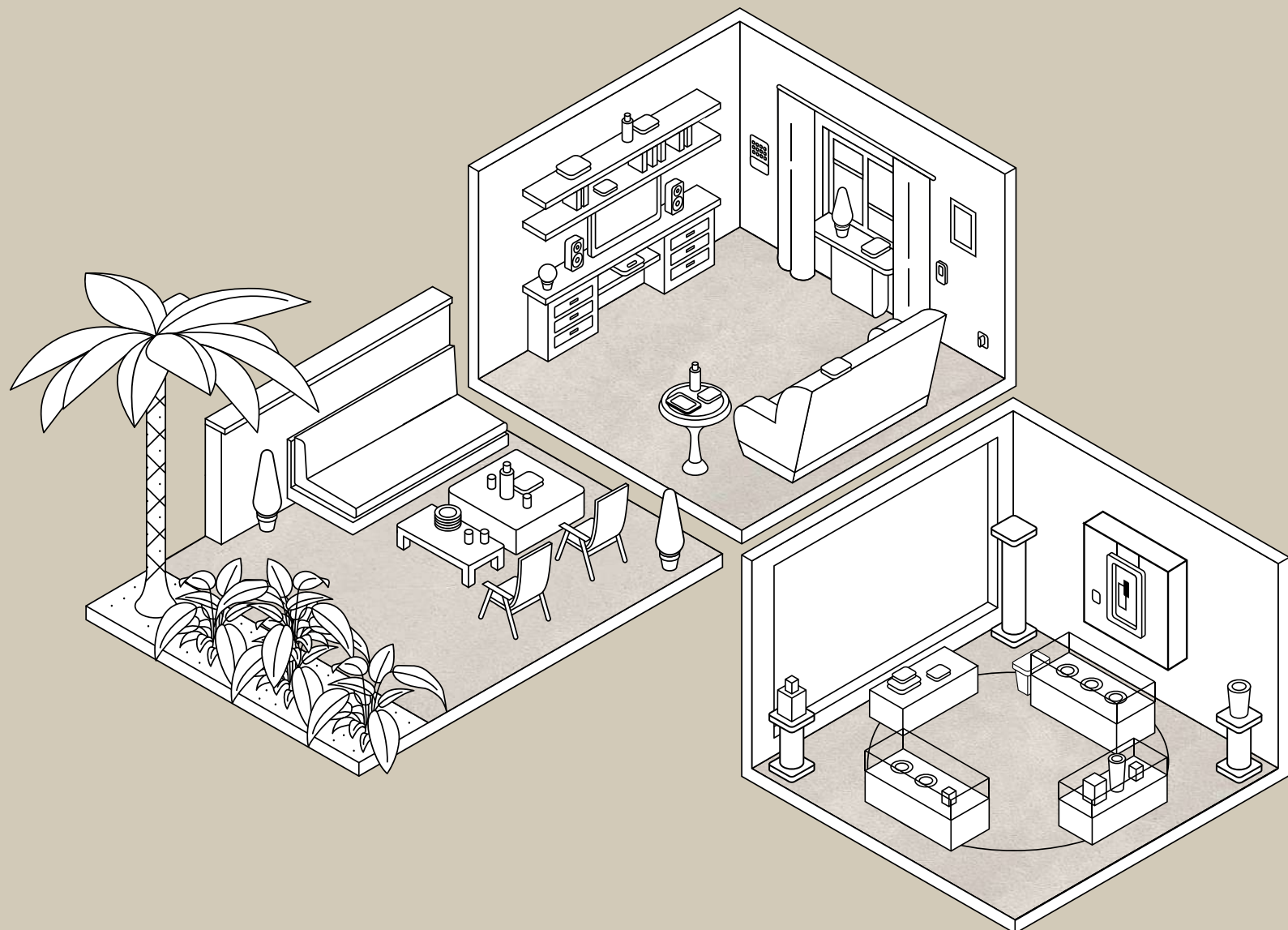


## VERSATILITY

We promise versatility in design, aesthetics, and perspectives. We provide everything under one roof, ensuring a seamless experience from concept to creation.

## MORE SOFTNESS AND CLEANLINESS

Sunheart's innovative Shape Tech surface boasts improved aesthetics and enhanced ease of cleaning, making it ideal even for humid regions facing rough surfaces. Thanks to its gentle quality!



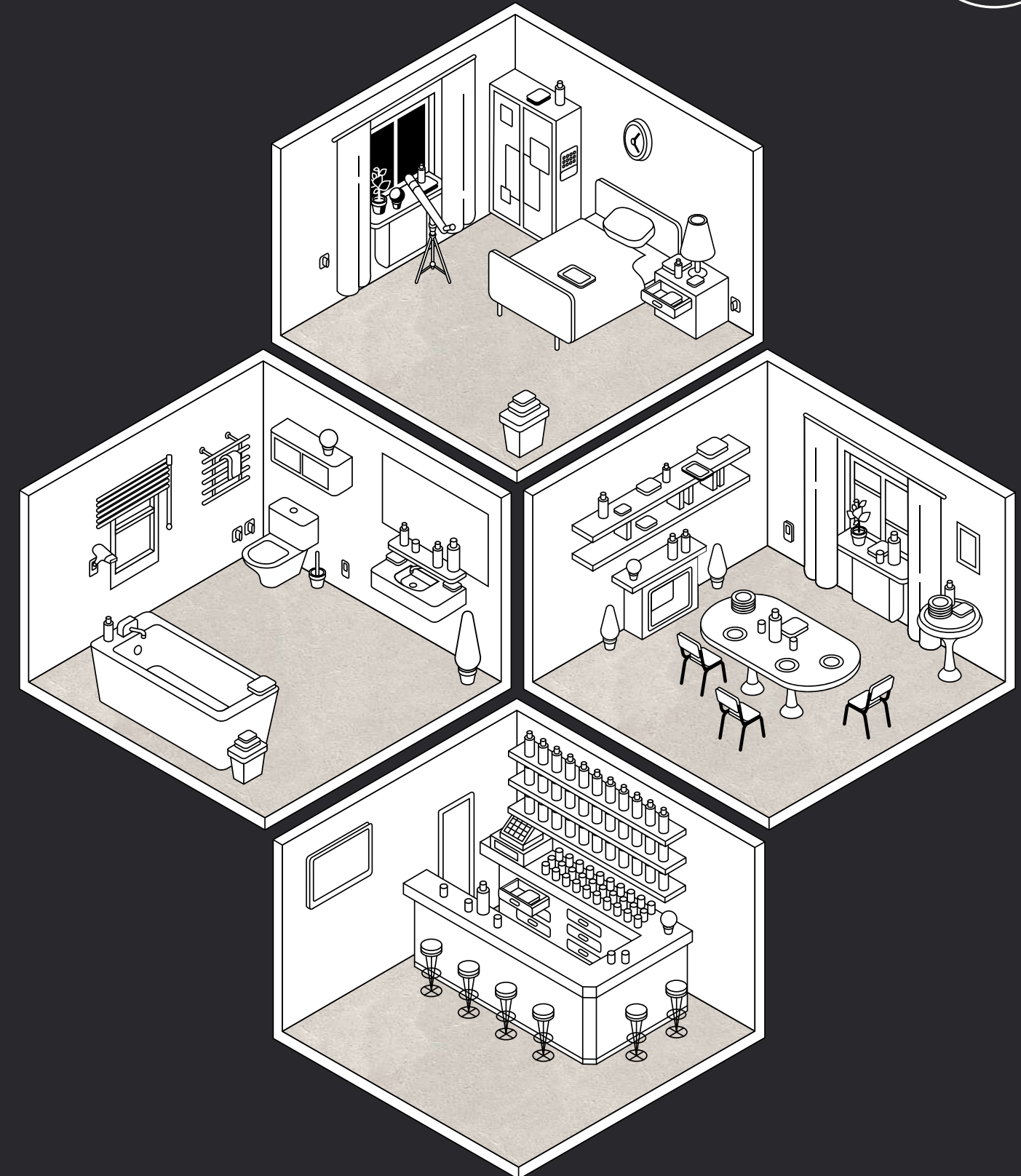
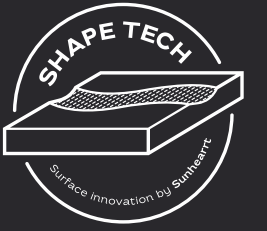
## MORE HARMONY

We aim to exceed expectations by constantly creating masterpieces. The surfaces crafted with the 4D TECH harmonize seamlessly with the spaces' decor style, contributing an aesthetic continuation.

## SAME SURFACE, ENDLESS PURPOSES

Look no further for versatile applicability as you unfold this magnificent all-in-one surface that blends effortlessly with any decor style. With myriad features, there is no need to choose anything other than the Shape Tech surface.

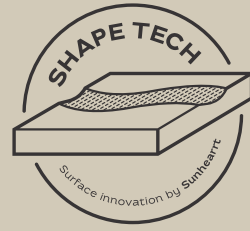
## LIMITLESS UTILITY UNDER ONE ROOF.



\*This icon shows this an Antislip Soft piece.



# INTRODUCING COLOR CASCADES

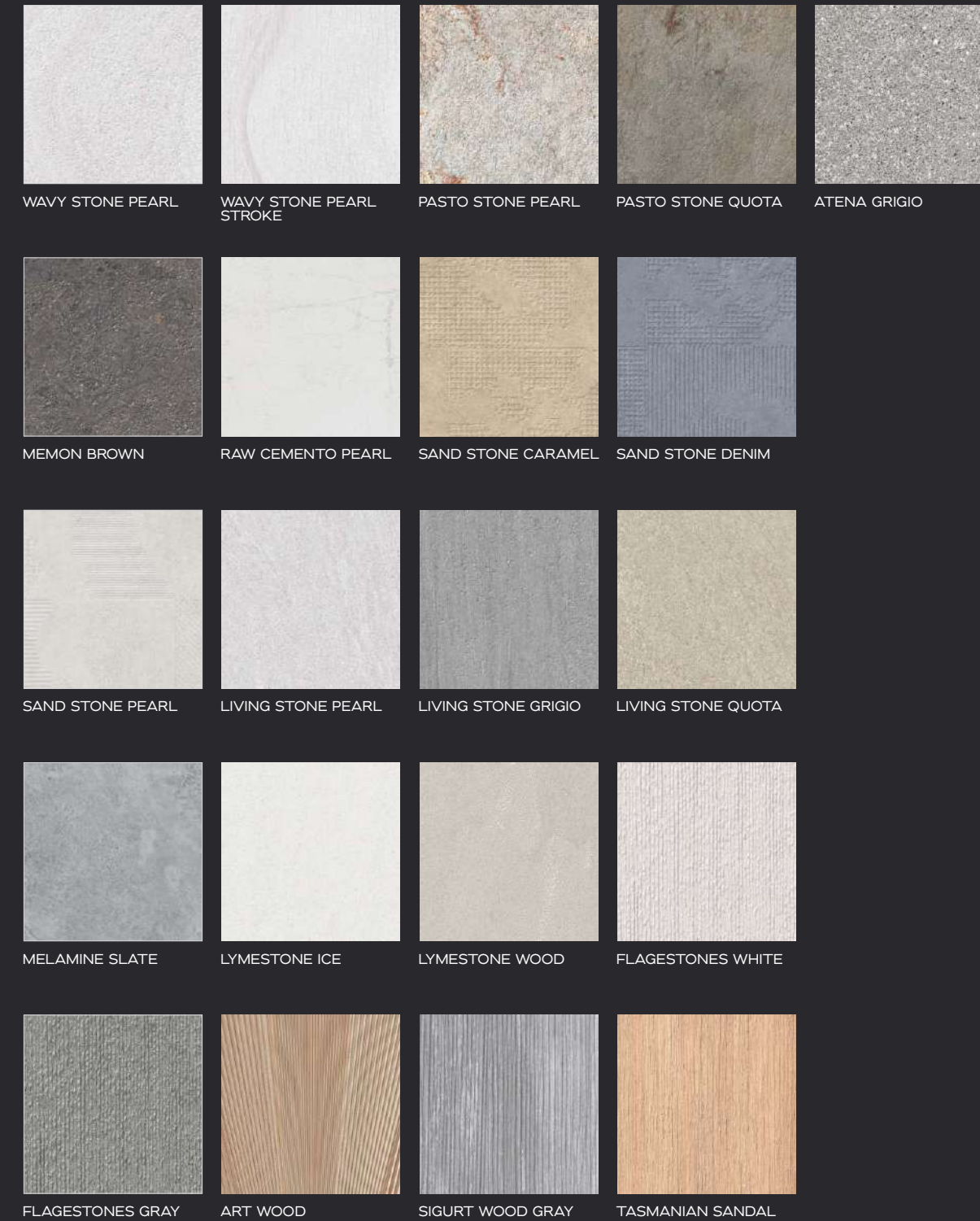


## SHAPE TECH



The innovative surfaces are infused with earthy colors that bring a harmonious blend of modernity and natural aesthetics. These surfaces utilize cutting-edge materials, offering a diverse palette inspired by rich tones found in nature and vivid landscapes.

Unfold the exciting world of color cascades showcasing versatile effects encapsulating the rugged elegance of stone, warmth of wood, deftness of concrete. With these immense decor possibilities, we bring nature's authenticity to contemporary spaces.





# MARBLE

MARBLE COLLECTION 24



## Marble Collection

Dive deep into luxury and sophistication with Shape Tech's Marble Collection by Sunhearrt. Each tile in this exquisite assortment is a testament to nature's unparalleled artistry, capturing the essence of authentic marble with unparalleled precision and grace.

The color palette of this collection is a mesmerizing blend of timeless hues, echoing the subtle variations found in nature's finest marbles. Every shade has been carefully curated, from pristine whites to deep, evocative grays to evoke a sense of timeless elegance and luxury.

Beyond its captivating color range, what truly sets the Shape Tech Marble Collection apart is its intricate impressions. Every tile is meticulously crafted to replicate the unique veining and patterns that define natural marble, ensuring that each piece is not just a tile but a work of art.

Moreover, exclusivity reigns supreme in this collection. Sunhearrt's commitment to offering tiles that stand out in design and quality is evident in every piece. The Shape Tech Marble Collection isn't just about tiles; it's about creating spaces that exude sophistication, luxury, and a timeless appeal reminiscent of the world's most iconic marble structures.

Wall: PORTA GRAFFITE CORD | Floor: PORTA GRAFFITE

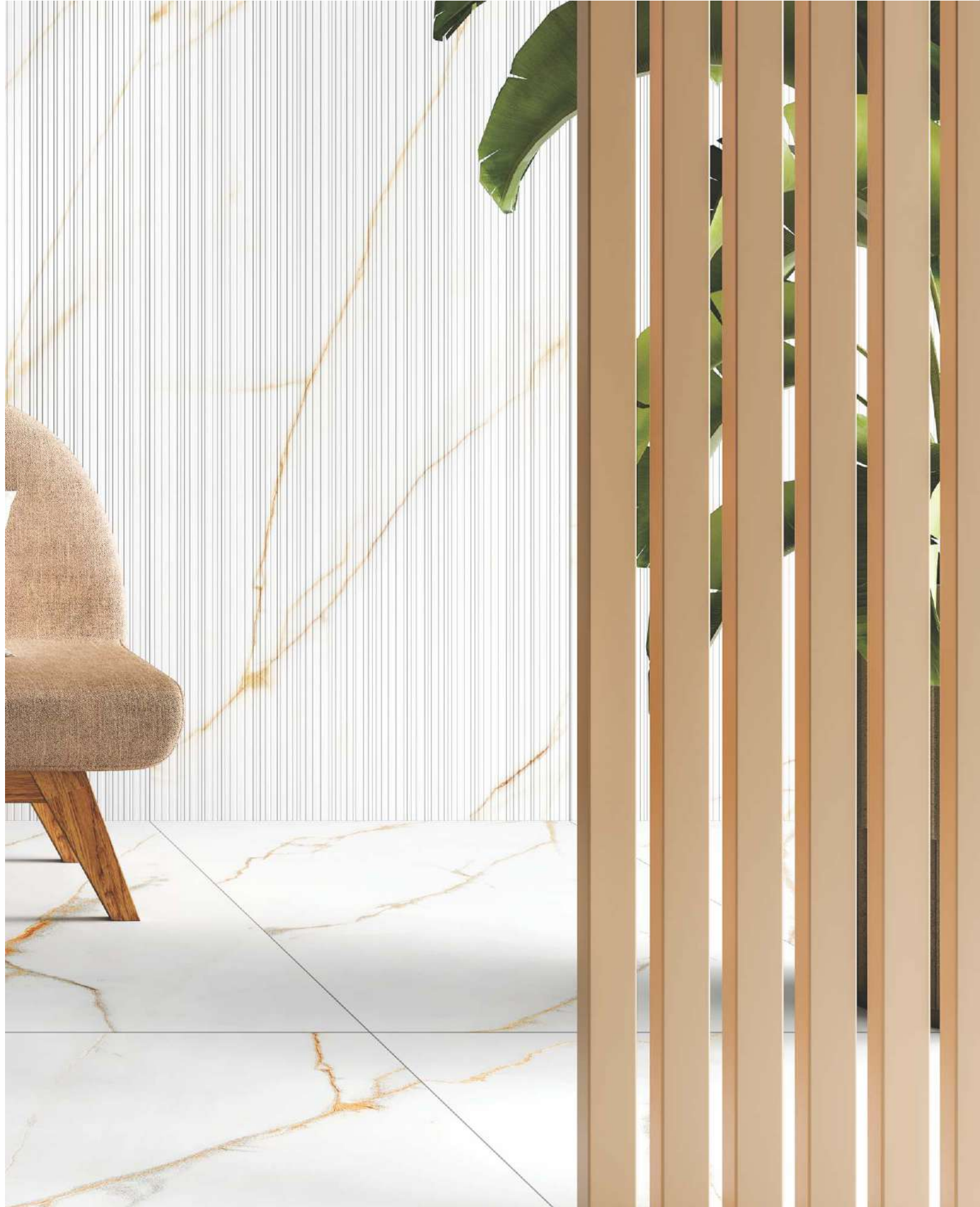




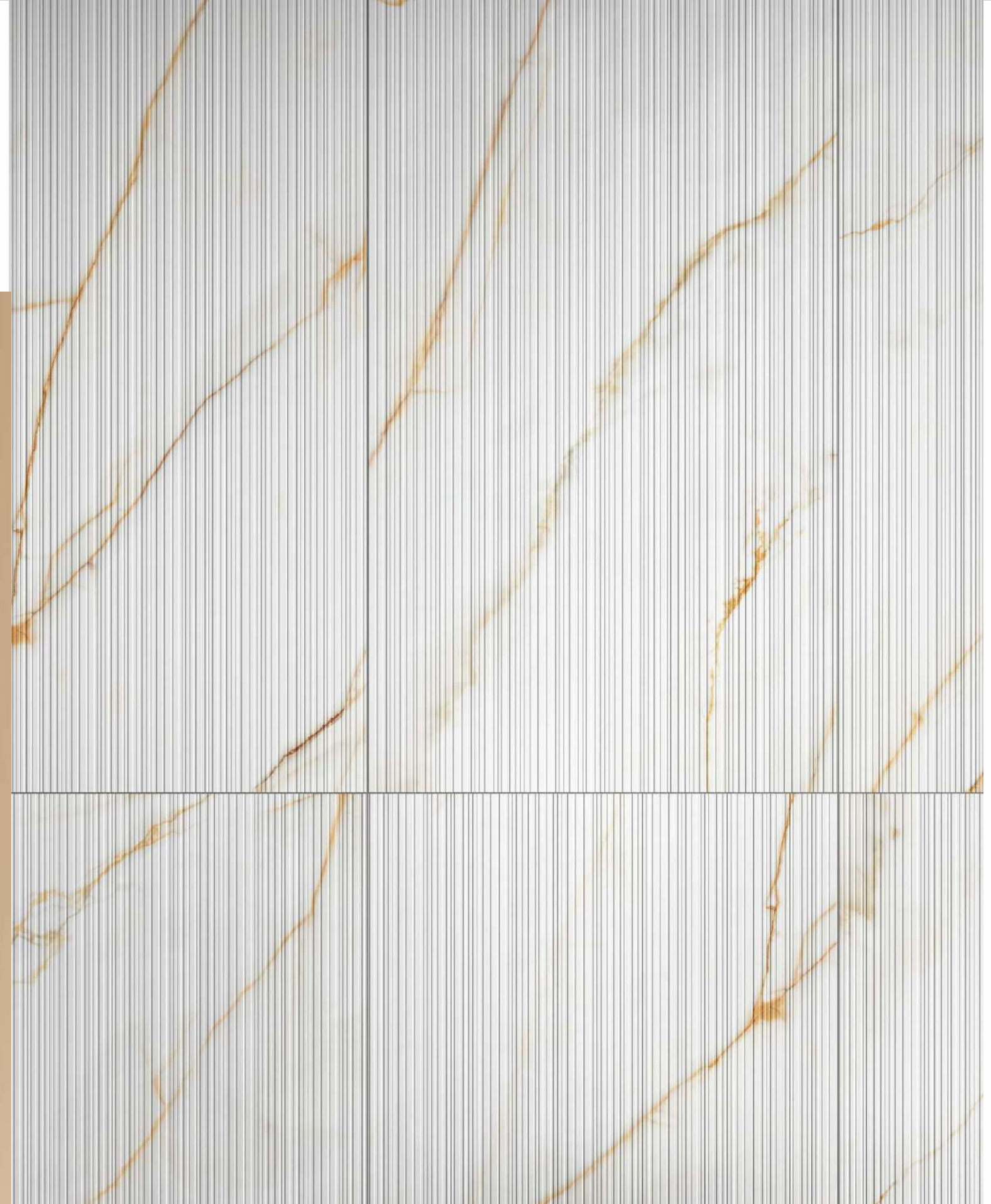
Wall: CALCATTA OPTIMUS STREAK | Floor: CALCATTA OPTIMUS



Wall: CALCATTA OPTIMUS STREAK | Floor: CALCATTA OPTIMUS



MARBLE COLLECTION 24



MARBLE COLLECTION 24

Wall: CALCATTA OPTIMUS STREAK

Experience elegance with the marble, artfully adorned with striking veins and sleek vertical lines. This masterpiece captures the pristine allure of white marble and infuses a dynamic contrast.





Wall: CALCI GOLD CORD | Floor: CALCI GOLD





Wall: CALCI GOLD CORD | Floor: CALCI GOLD

Witness surface design punctuated by intricate rough punches reminiscent of natural terrains - a captivating blend of artistry and earthy authenticity for the untamed essence of nature in your spaces.

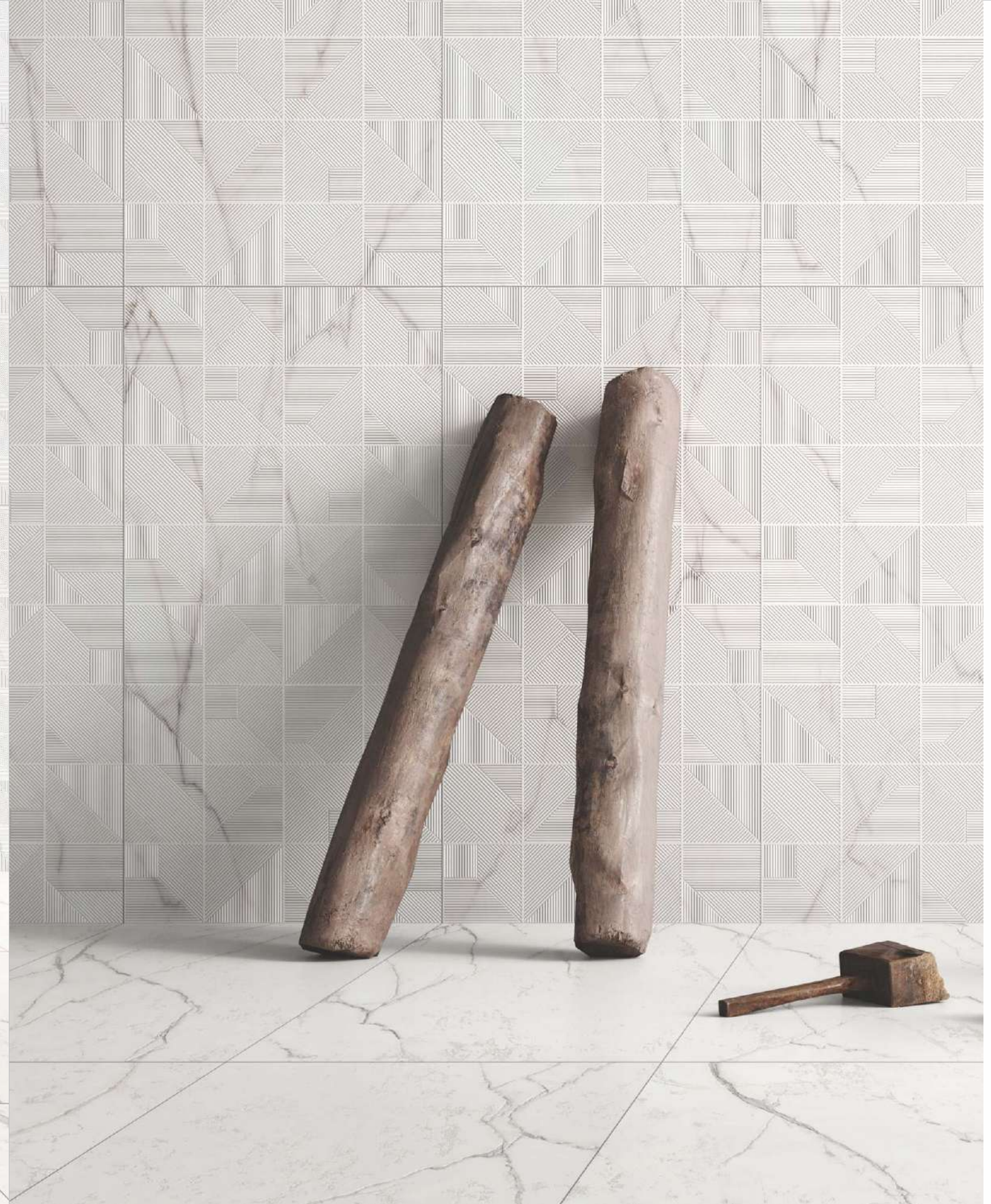
Floor: CALCI GOLD







Wall: SNOWY WHITE FRACTAL | Floor: SNOWY WHITE



Wall: SNOWY WHITE FRACTAL | Floor: SNOWY WHITE

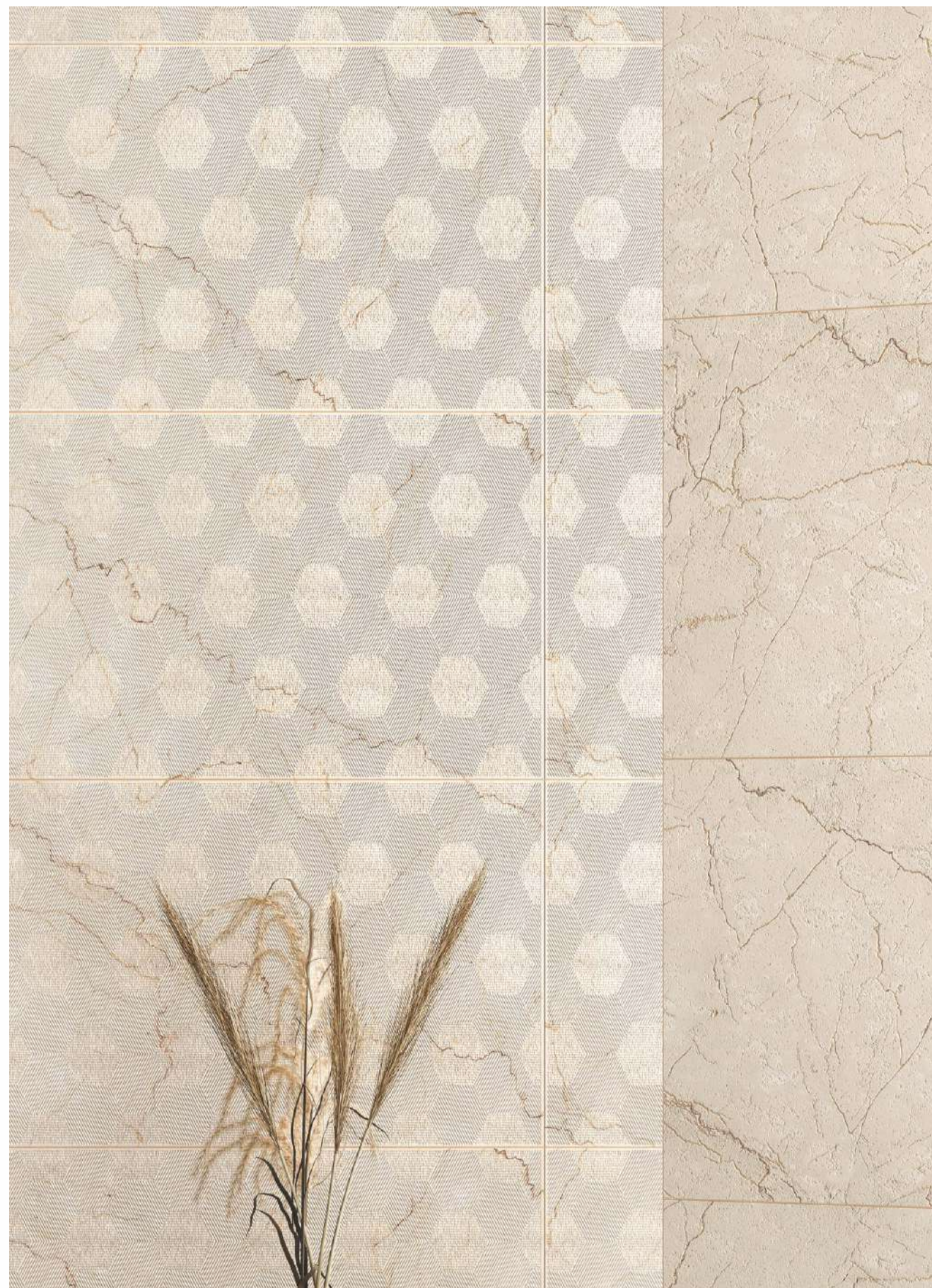
Discover a fusion of nature and urban sophistication with the organic veins of natural stone juxtaposed with precise geometrical punches - a design seamlessly bridges rustic charm with contemporary flair.





Wall: BOTICCINO AVORIO TRIGON | Floor: BOTICCINO AVORIO

Experience the allure of modern aesthetics intertwined with nature's beauty with a swaying punch pattern in which contemporary design elements marry the organic elegance of natural marble.



Wall: BOTICCINO AVORIO TRIGON





Wall: STELLAR CREMA CURVES | Floor: STELLAR CREMA





Wall: STELLAR CREMA CURVES | Floor: STELLAR CREMA



Wall: STELLAR CREMA CURVES

Embrace a new symphony of sophistication with our marble-inspired tiles, adorned with intricate punches that mirror nature's graceful veins - each a touch of elegance reminiscent of nature's intricate artistry.

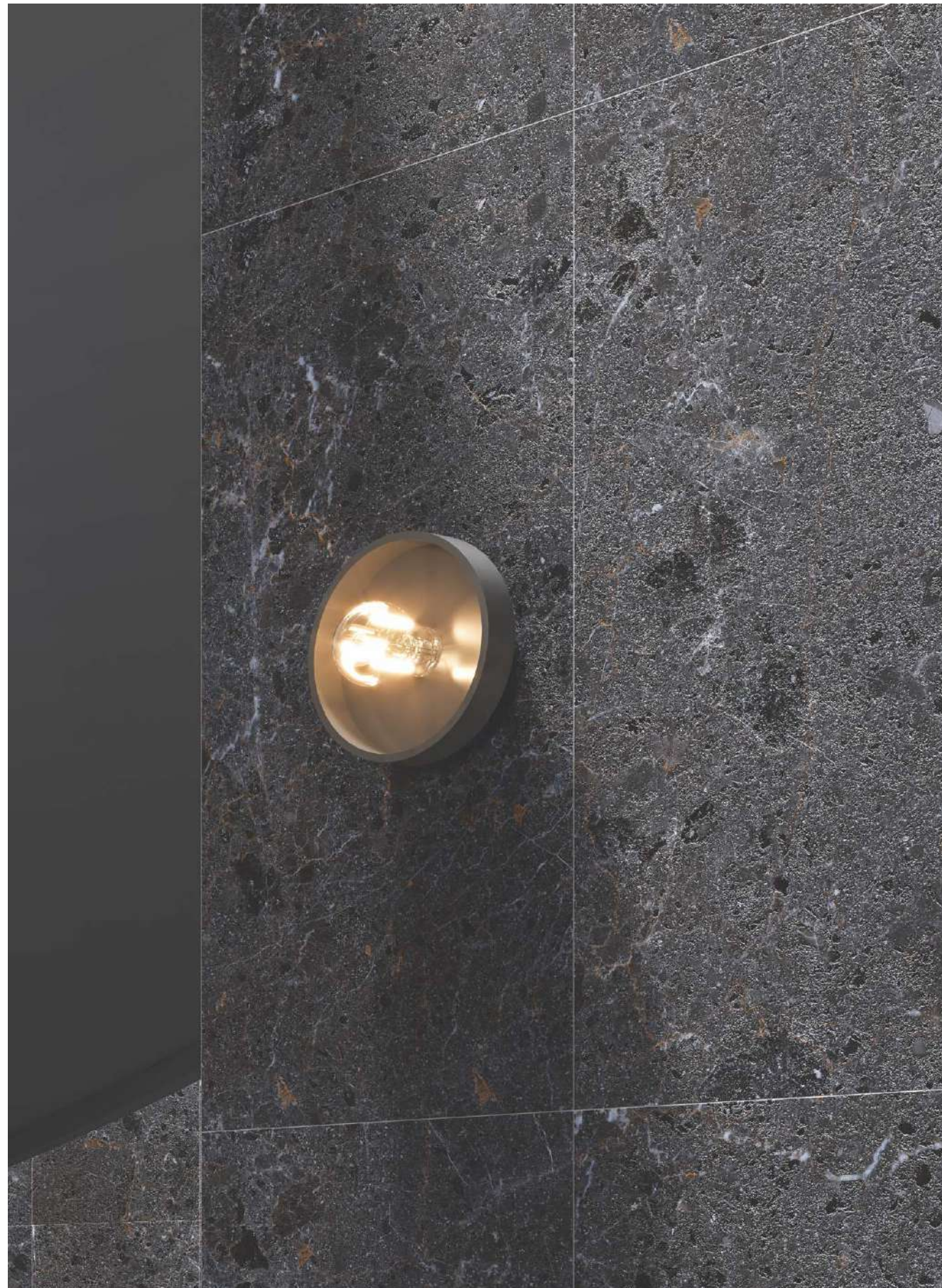




Wall: BURRY CREMA | Floor: BURRY CREMA



Wall: BRACCIA ANTICA BLACK



MARBLE COLLECTION 24

Experience the velvety tones of dark marble with tiles meticulously designed with luxurious depth and impressions of nature's marvels, merging precision with the unmistakable allure of marble.



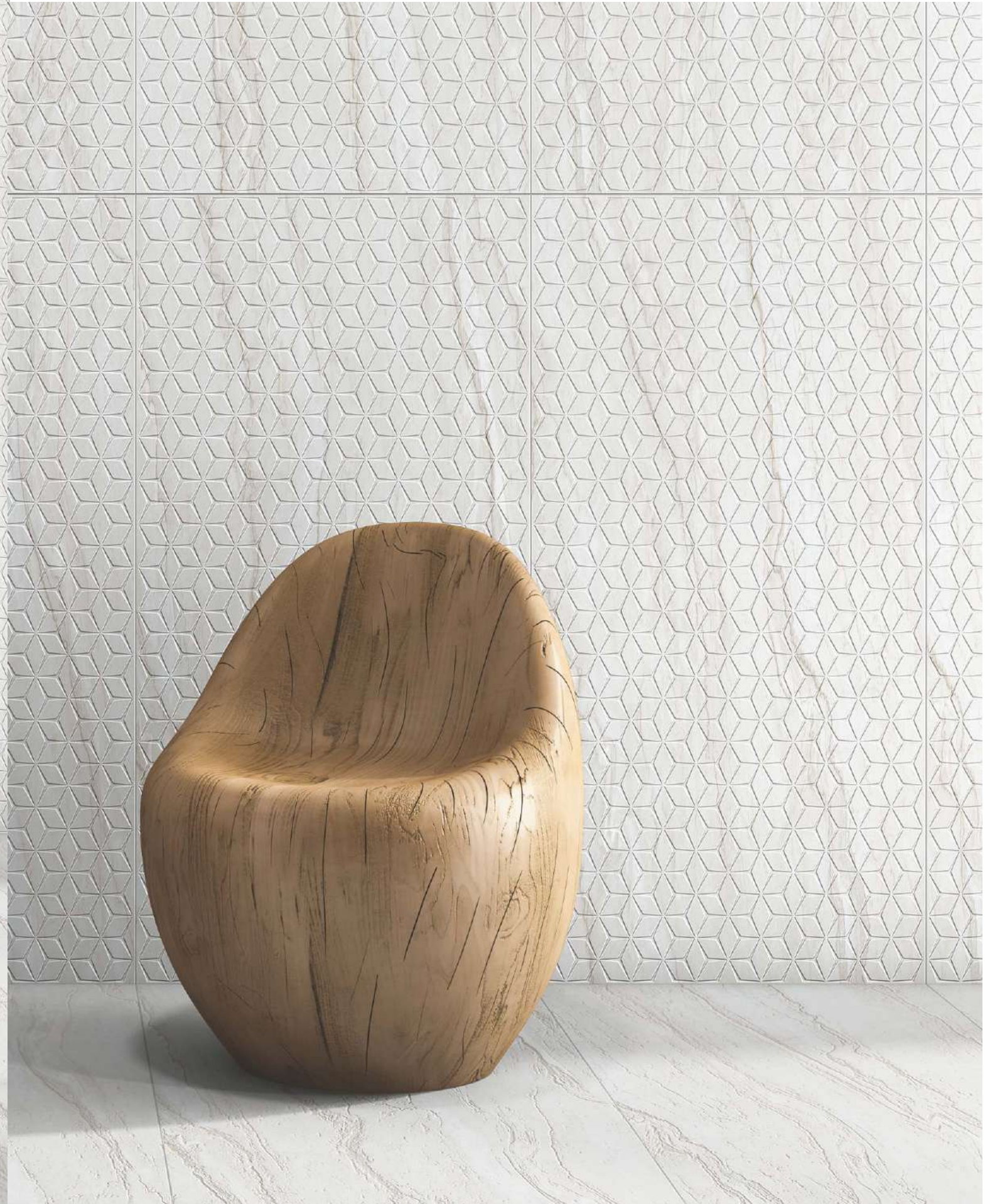
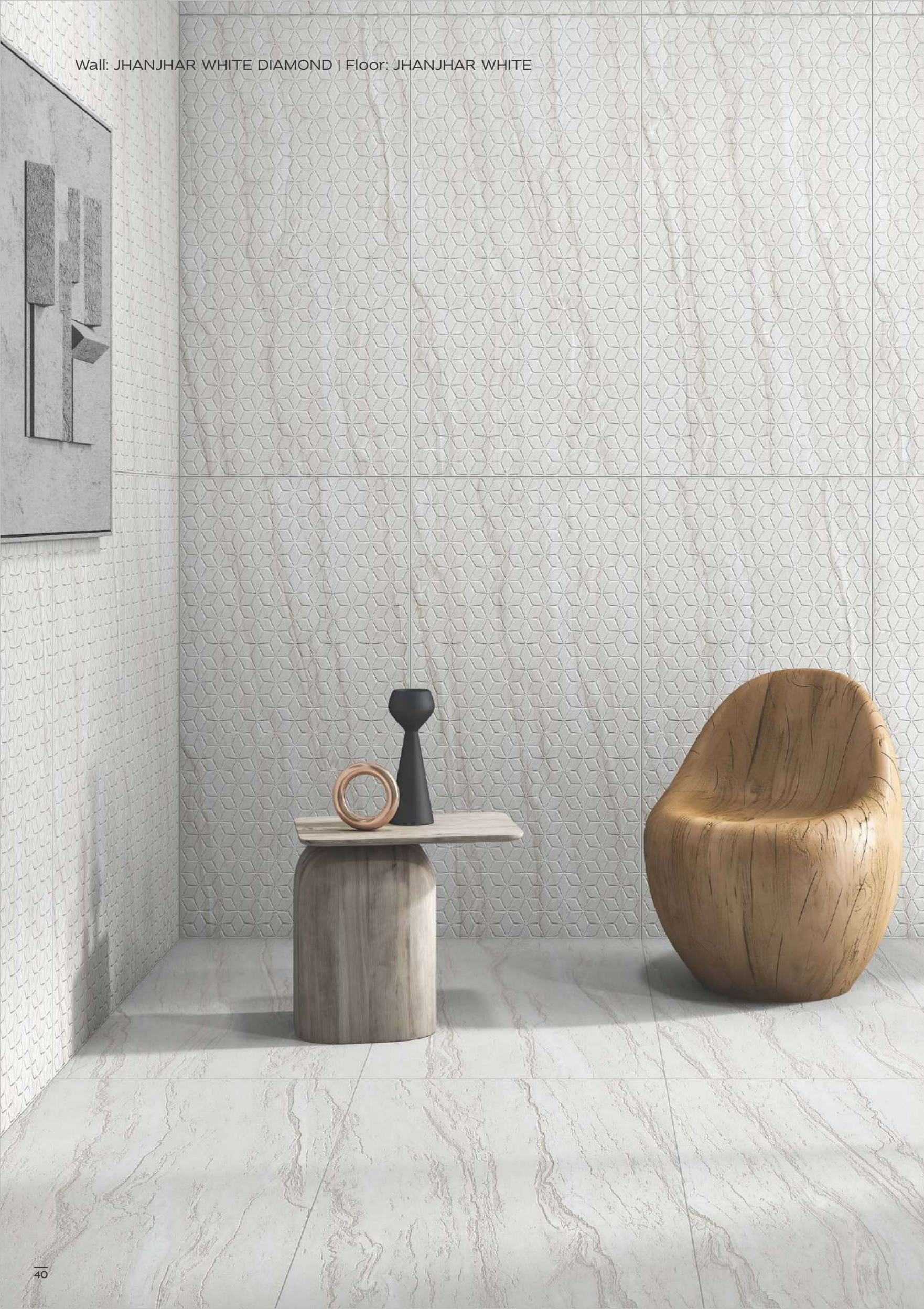
Wall: BRACCIA ANTICA BLACK | Floor: BRACCIA ANTICA BLACK



Wall: JHANJHAR WHITE DIAMOND | Floor: JHANJHAR WHITE

Embrace the essence of marble elegance accentuated by symmetrical punches that bloom in the graceful silhouette of flower petals, intricately transforming spaces into serene botanical sanctuaries.

Wall: JHANJHAR WHITE DIAMOND | Floor: JHANJHAR WHITE







Wall: PORTA GRAFFITE CORD | Floor: PORTA GRAFFITE





Wall: PORTA GRAFFITE CORD | Floor: PORTA GRAFFITE



Wall: PORTA GRAFFITE CORD

Meet the rugged allure of black marble, graced by stark white veins and natural punches echoing rocky terrains - a testament to the raw beauty and refined elegance, seamlessly blending.





Wall: CREASE WHITE | Floor: CREASE WHITE



Wall: TRAVERTINE STONE STREAKS | Floor: TRAVERTINE STONE

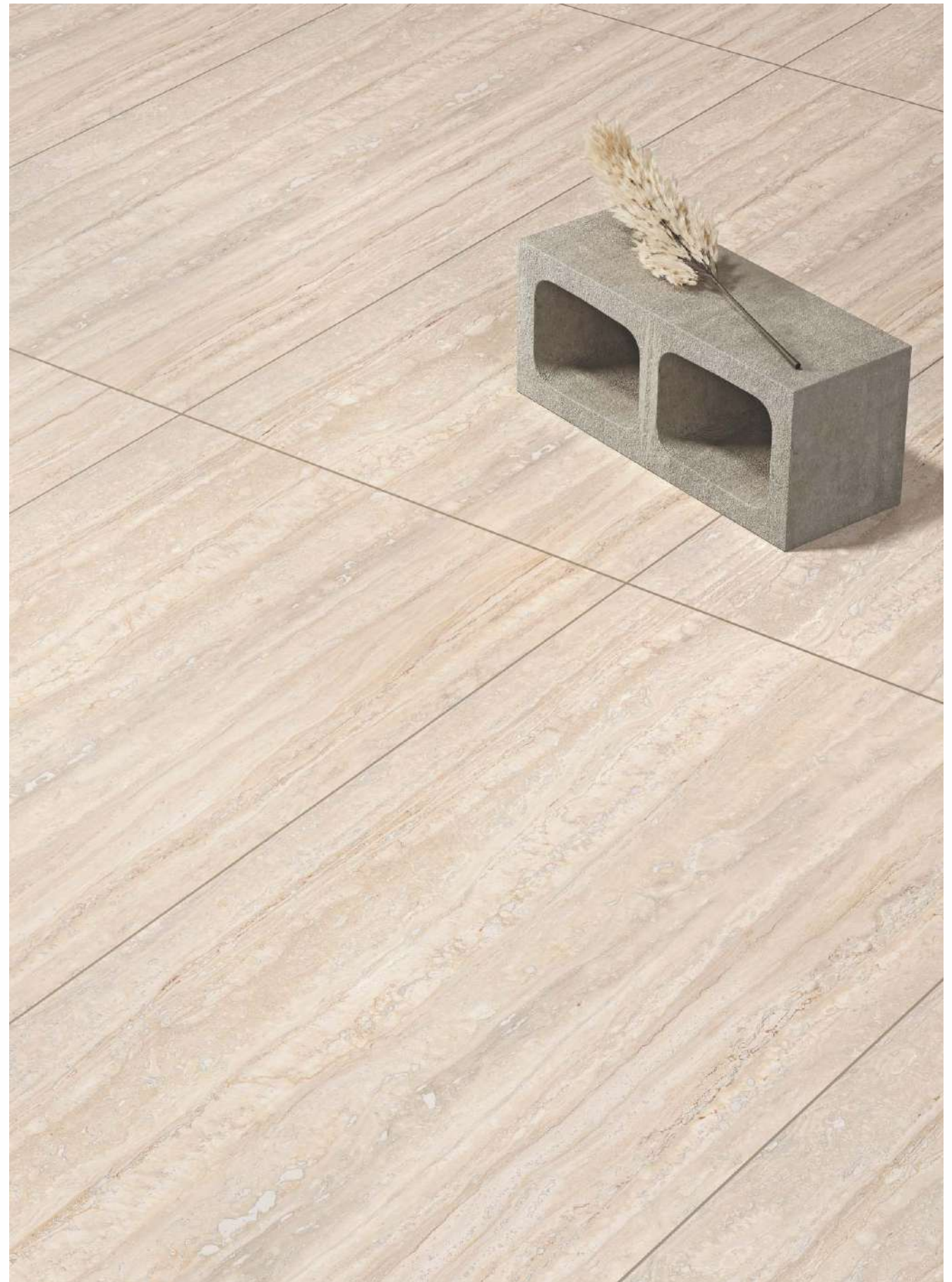






Wall: TRAVERTINE STONE WAVES | Floor: TRAVERTINE STONE

Immerse yourself in the timeless elegance with meticulously crafted tiles with subtle variations and intricate shading reminiscent of ancient rock formations, bringing a touch of serene sophistication.

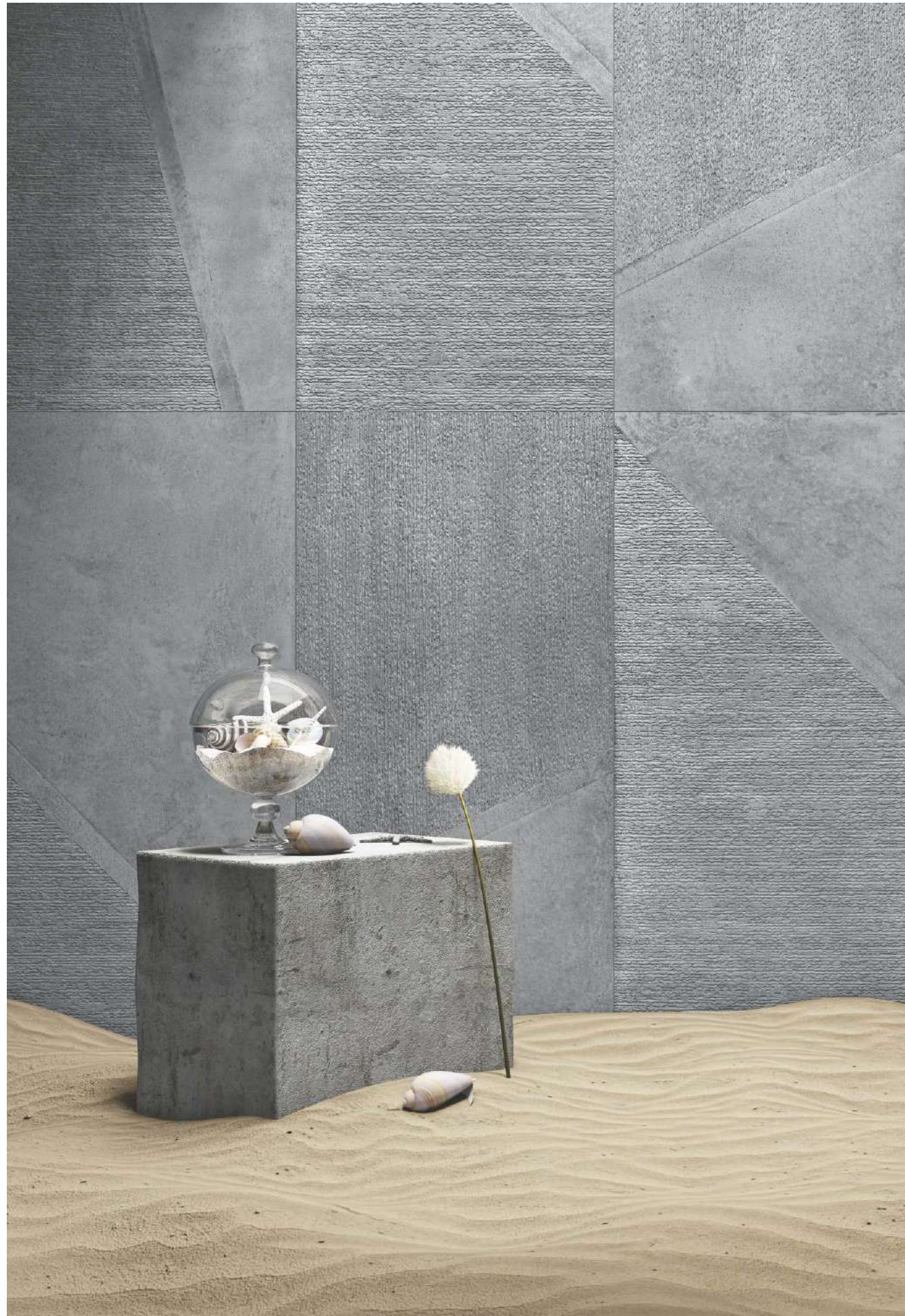


Floor: TRAVERTINE STONE



# STONE

STONE COLLECTION 24



## Stone Collection

Step into a world where nature's resplendence meets meticulous modern craftsmanship. Sunhearrt's Stone Collection of the Shape Tech Collection draws inspiration from the awe-inspiring beauty of natural stones and wonders, capturing their essence and elegance in every tile.

Each design is an inspiration of Earth's timeless beauty, with impressions meticulously crafted to mirror the intricate patterns and textures found in nature's most captivating landscapes. From rugged terrains to serene rock formations, every detail is rendered with unparalleled precision, ensuring each tile resonates with authenticity and nature's grace.

The collection is not about replicating nature; it's about elevating it. The Shape Tech Stone Collection goes beyond mere imitation, infusing each tile with modern sophistication. The result? A harmonious blend of rustic charm and contemporary elegance, making every space a testament to style and character.

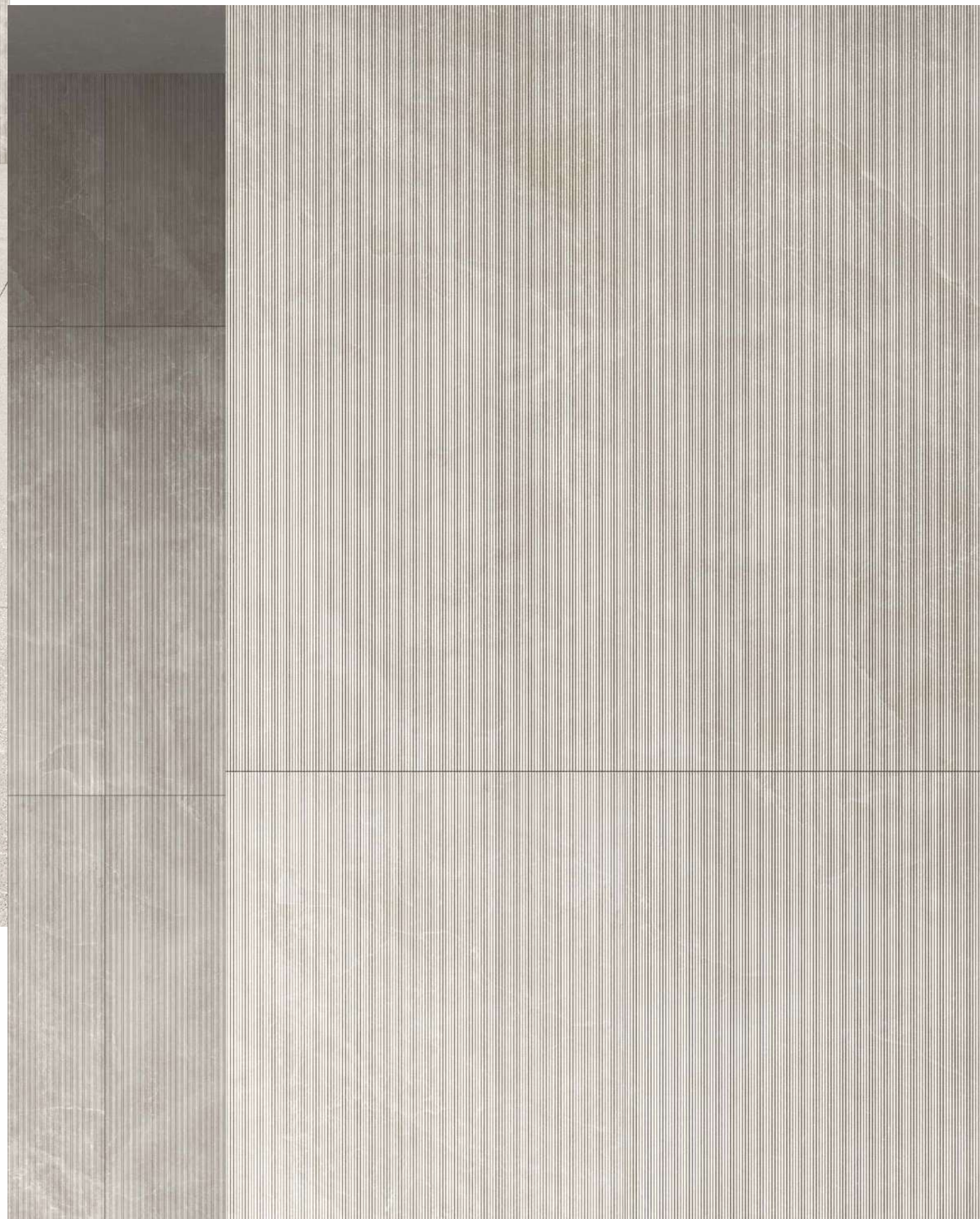
With Sunhearrt's commitment to quality and design innovation, the Stone Collection promises more than just tiles; it offers a journey—a journey through nature's wonders, encapsulated in tiles that redefine beauty, elegance, and sophistication.

Wall: MELAMINE SLATE





Wall: IRIS STONE RIVER STREAKS



Wall: IRIS STONE RIVER STREAKS | Floor: IRIS STONE RIVER

Witness refined elegance with tile adorned with natural vein punches and sophisticated vertical lines - each telling the story of nature's grace, seamlessly merging organic patterns with contemporary design.





Wall: WAVY STONE PEARL STROKE | Floor: WAVY STONE PEARL



Wall: WAVY STONE PEARL STROKE

Experience the tranquil flow of nature with overlapping punches that mimic the rhythmic cascade of water in motion, capturing the serene elegance of flowing water.



Wall: PASTO STONE PEARL



STONE COLLECTION 24

Dive into a canvas of natural beauty with tiles, showcasing the captivating ombre effect punctuated by delicately speckled punches capturing the essence of nature's gradient and organic charm.

Wall: PASTO STONE PEARL | Floor: PASTO STONE PEARL







Wall: ATENA GRIGIO | Floor: ATENA GRIGIO

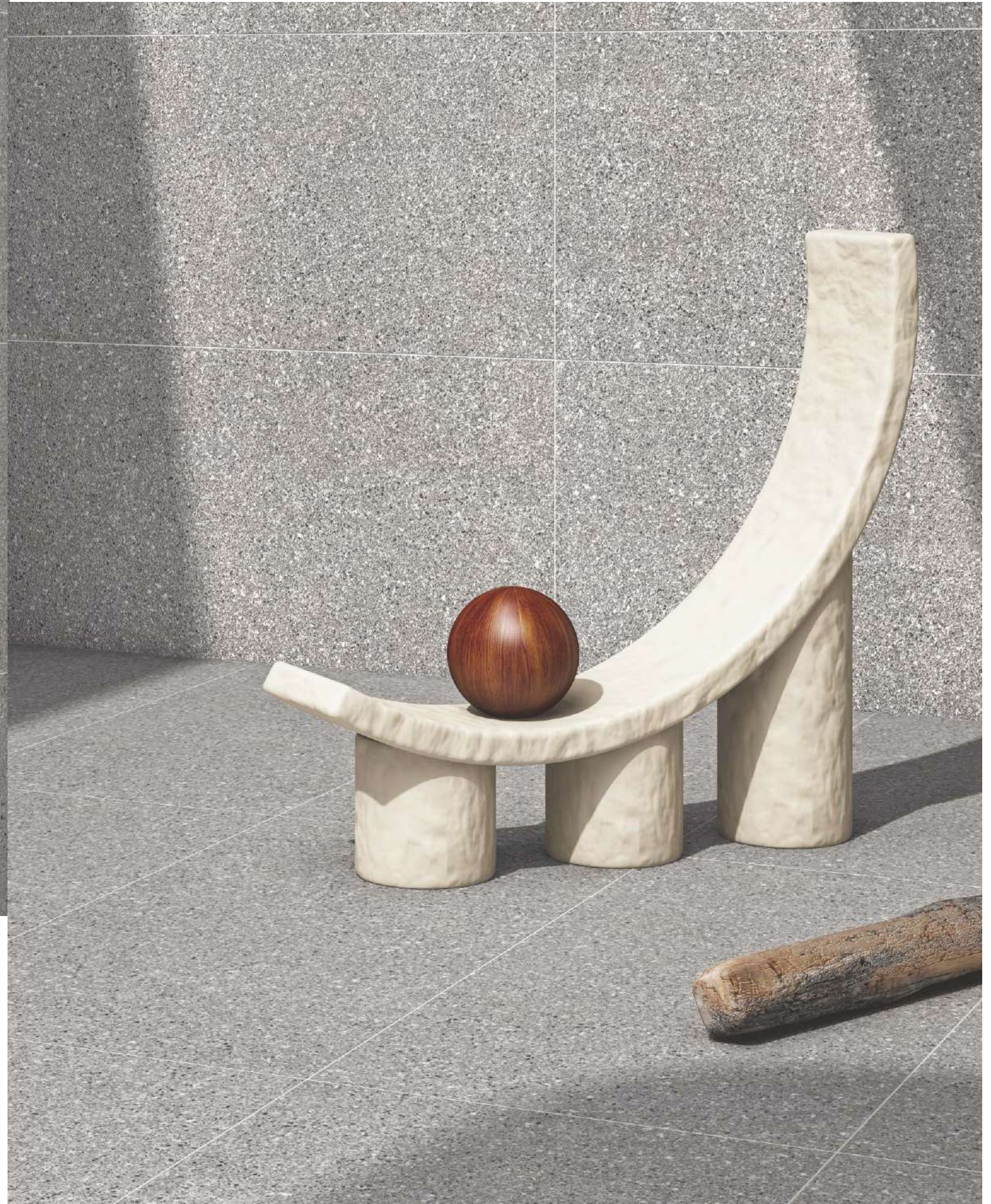




Wall: ATENA GRIGIO

Each tile whispers a tale of nature's subtle beauty and understated elegance, and the exclusive grey tiles, meticulously designed, mirror the timeless allure of grey stones through authentic impressions.

Wall: ATENA GRIGIO | Floor: ATENA GRIGIO







Wall: MEMON BROWN | Floor: MEMON BROWN



Wall: RAW CEMENTO PEARL



STONE COLLECTION 24

Infuse your spaces with designs on a modern edge anchored in timeless elegance. The tiles' stone-inspired design gracefully marries nature's rugged charm with contemporary design sensibilities.



STONE COLLECTION 24

Wall: RAW CEMENTO PEARL



Wall: SAND STONE PEARL

STONE COLLECTION 24





Wall: LIVING STONE GRIGIO | Floor: LIVING STONE GRIGIO



Wall: LIVING STONE GRIGIO



STONE COLLECTION 24



STONE COLLECTION 24

Wall: LIVING STONE GRIGIO | Floor: LIVING STONE GRIGIO

Allow your spaces to echo the majestic resilience of slate-grey stones carved like mountainous terrains, resonating with enduring beauty while capturing the raw impressions and rugged charm.



Wall: MELAMINE SLATE



STONE COLLECTION 24

Embrace the untamed allure of raw and rugged tiles. Experience nature's elegant imperfections meet contemporary finesse for a harmonious blend of natural ruggedness and modern sophistication.



Wall: MELAMINE SLATE

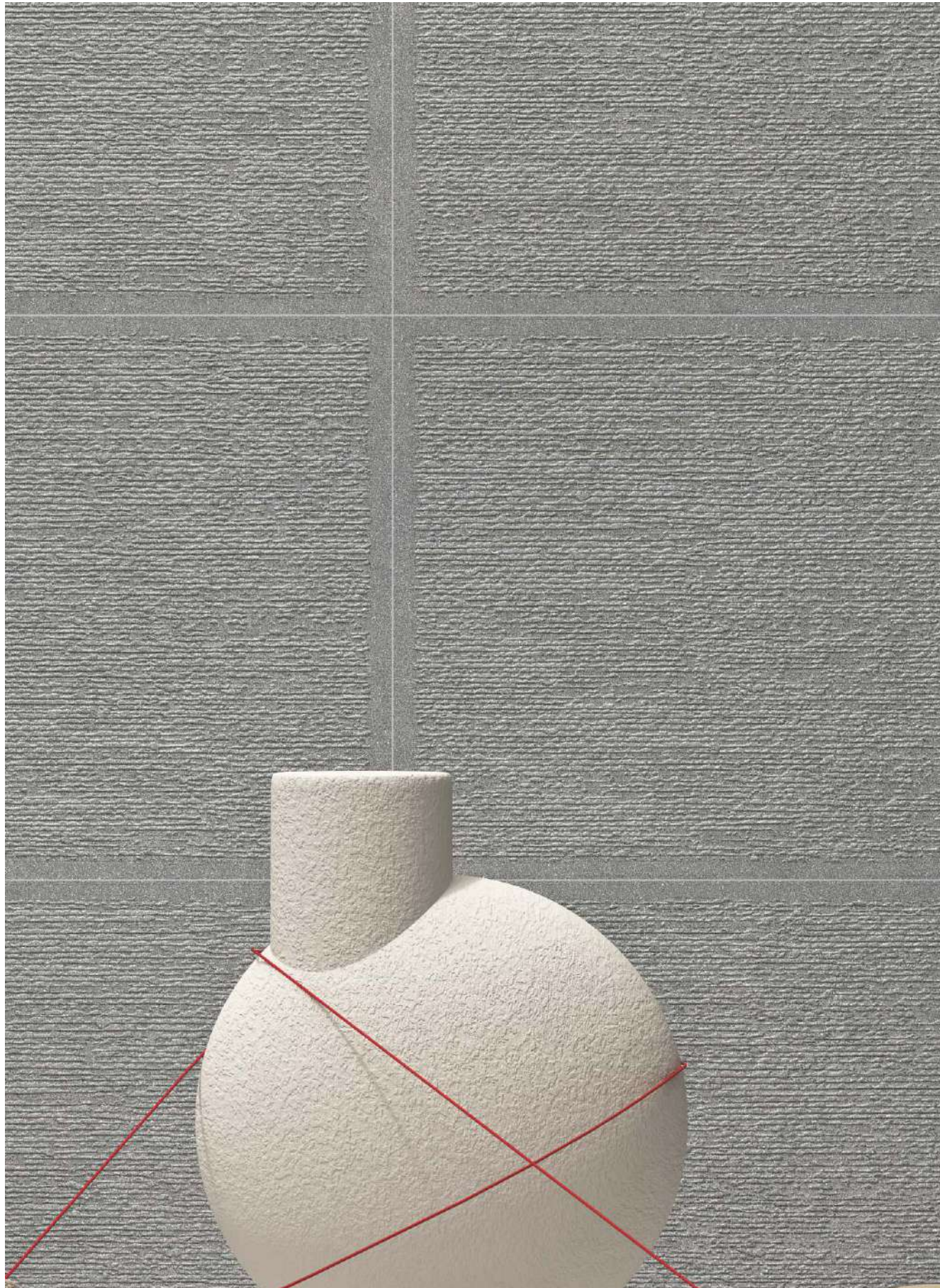


Wall: LYMESTONE WOOD | Floor: LYMESTONE WOOD





Wall: FLAGESTONES GRAY



Enjoy a design symphony that craftfully blends the raw textures of nature with urban craft.ó

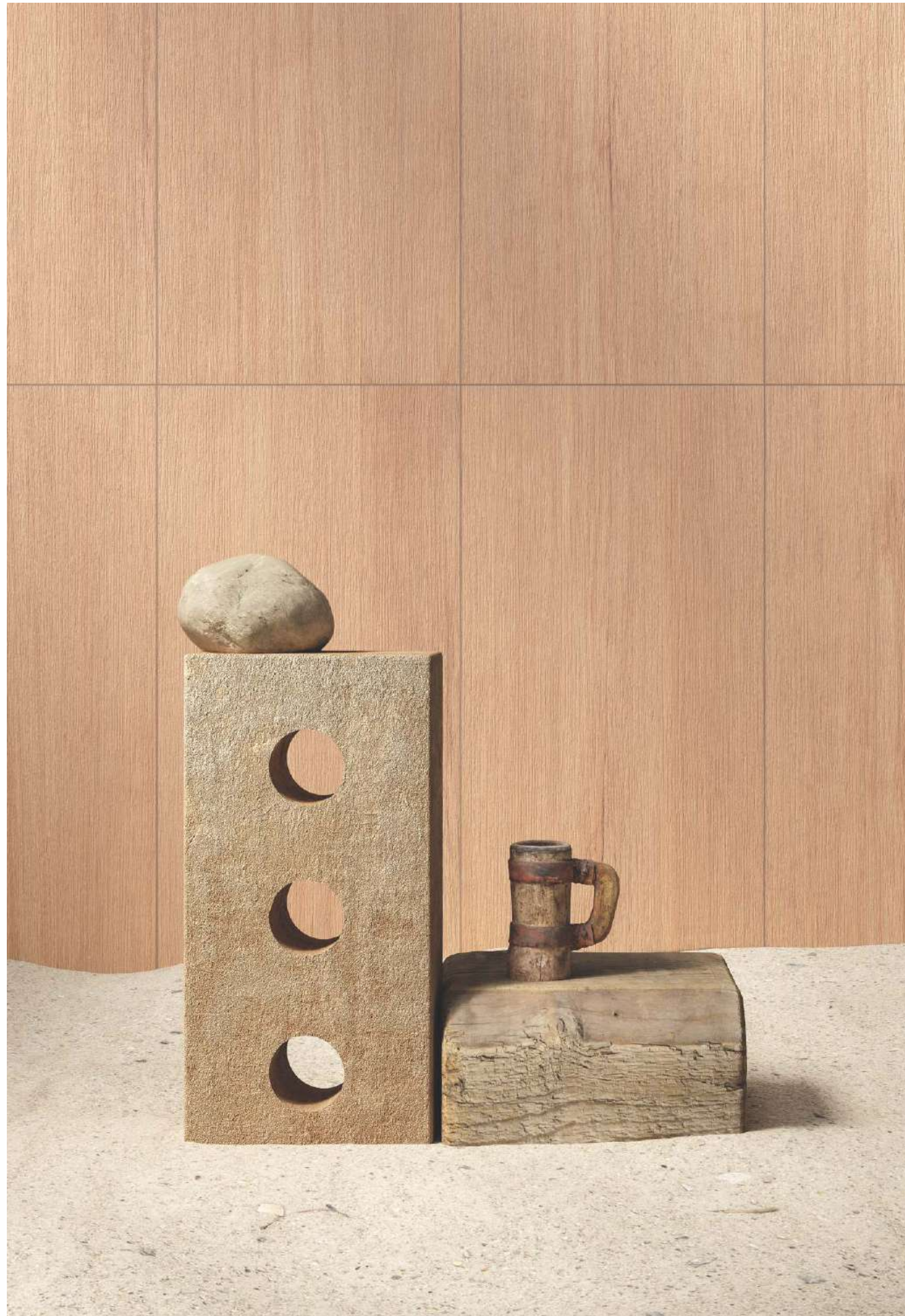


Wall: FLAGESTONES GRAY



# WOOD

WOOD COLLECTION 24



## Wood Collection

Embrace elegance rooted in nature with the timeless beauty of wood, timber, and woodgrain in Sunhearrt's Wood Collection. The collection draws inspiration from the intricate woodgrain patterns and the inherent aesthetics of timber, capturing the raw essence and organic allure of nature's finest offerings.

Each tile in this collection is a masterpiece and testament to craftsmanship beyond boundaries, meticulously crafted to replicate the nuanced textures, patterns, and shades in natural wood. The meticulous attention to detail ensures that every tile radiates authenticity, allowing spaces to resonate with warmth, character, and sophistication.

From rich mahogany hues to the subtle grain patterns of oak, the Wood Collection offers a diverse palette that celebrates the diversity and beauty of timber. The collection's design ethos celebrates imperfections, knots, and grains, ensuring each tile tells a unique story of nature's craftsmanship.

Beyond its aesthetic appeal, the Shape Tech Wood Collection is a testament to innovation. By blending the natural rawness of wood with advanced tile technology, Sunhearrt redefines the possibilities of interior design, offering spaces a perfect blend of nature-inspired elegance and tactile feel.

Wall: TASMANIAN SANDAL





Experience the rhythmic elegance, where the timeless charm of wood intertwines with contemporary flair. Featuring vertical lines artfully arranged in a triangle fashion, capturing the essence of nature's grainy textures that resonate with sophistication.



Wall: ART WOOD

Wall: ART WOOD





Wall: SIGURT WOOD GRAY | Floor: SIGURT WOOD GRAY





Wall: SIGURT WOOD GRAY

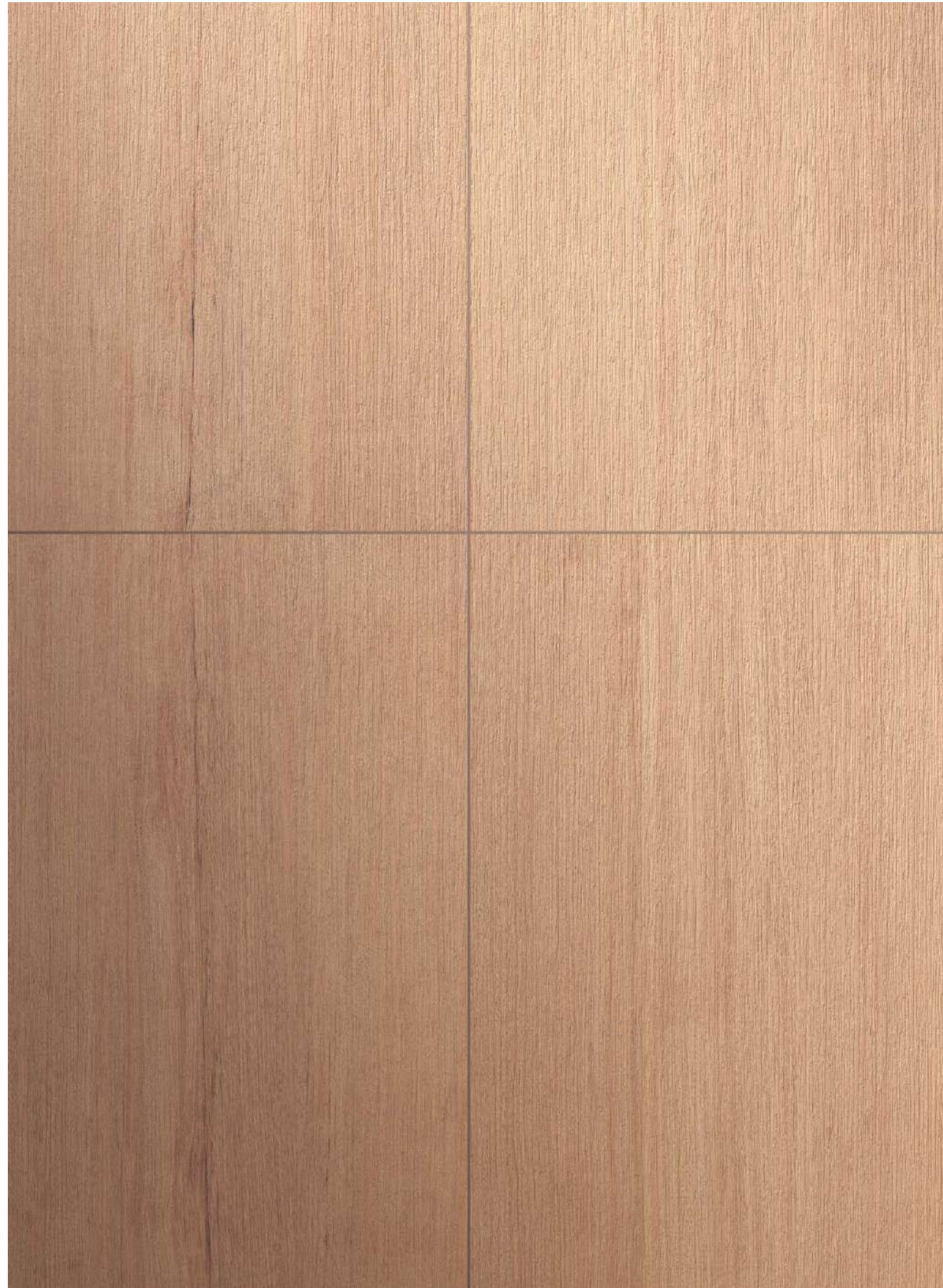
Wall: SIGURT WOOD GRAY | Floor: SIGURT WOOD GRAY

Dive into the nuanced beauty, masterfully echoing the understated elegance of grey wood aesthetics with near-natural textures and tones - raw, organic, and contemporarily refined.

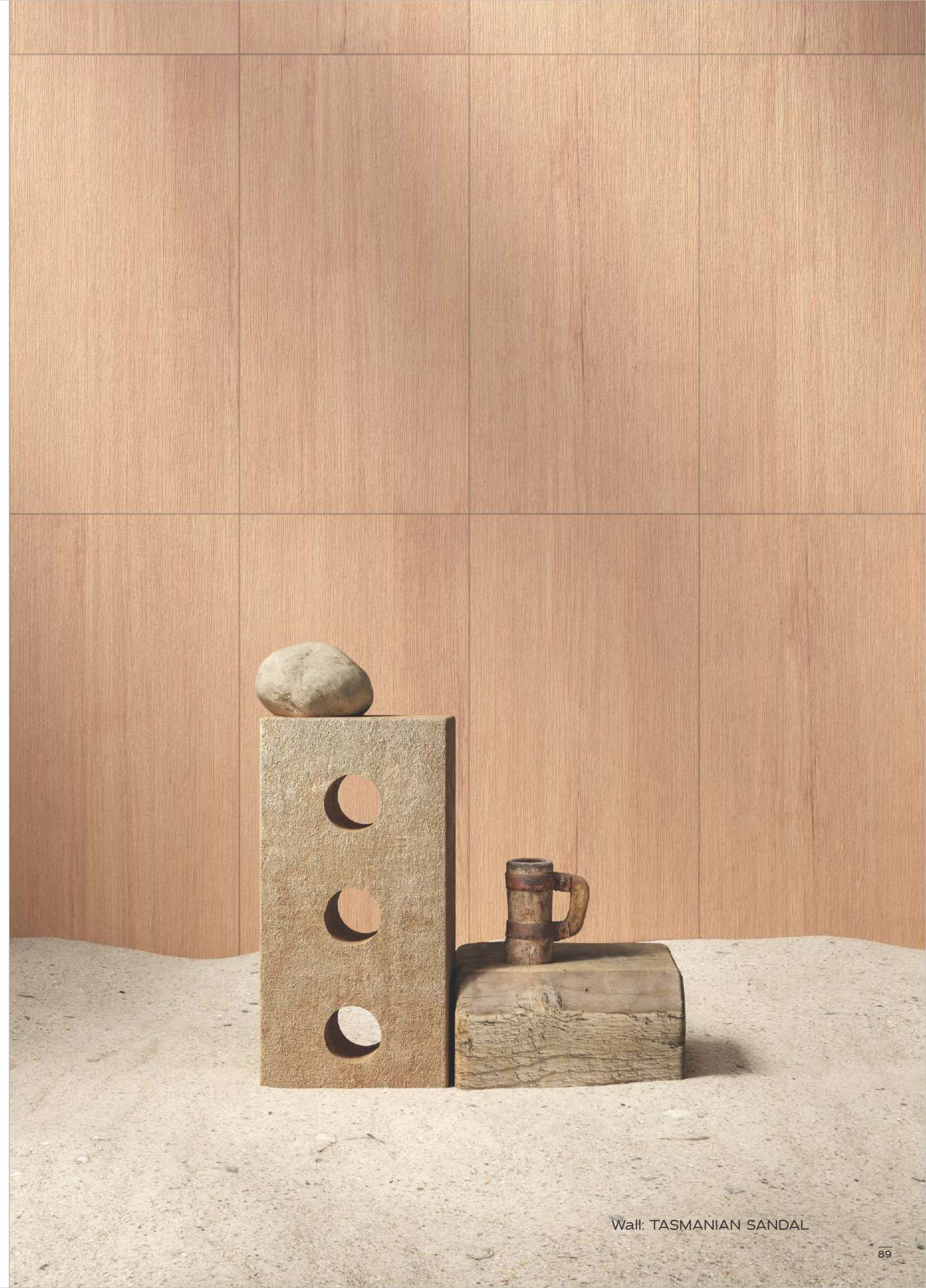


Immerse yourself in the authentic allure, meticulously crafted to mirror the genuine essence of natural wood with woodgrain impressions and soulful intricacies of timber, intricately woven into every minute detail.

WOOD COLLECTION 24



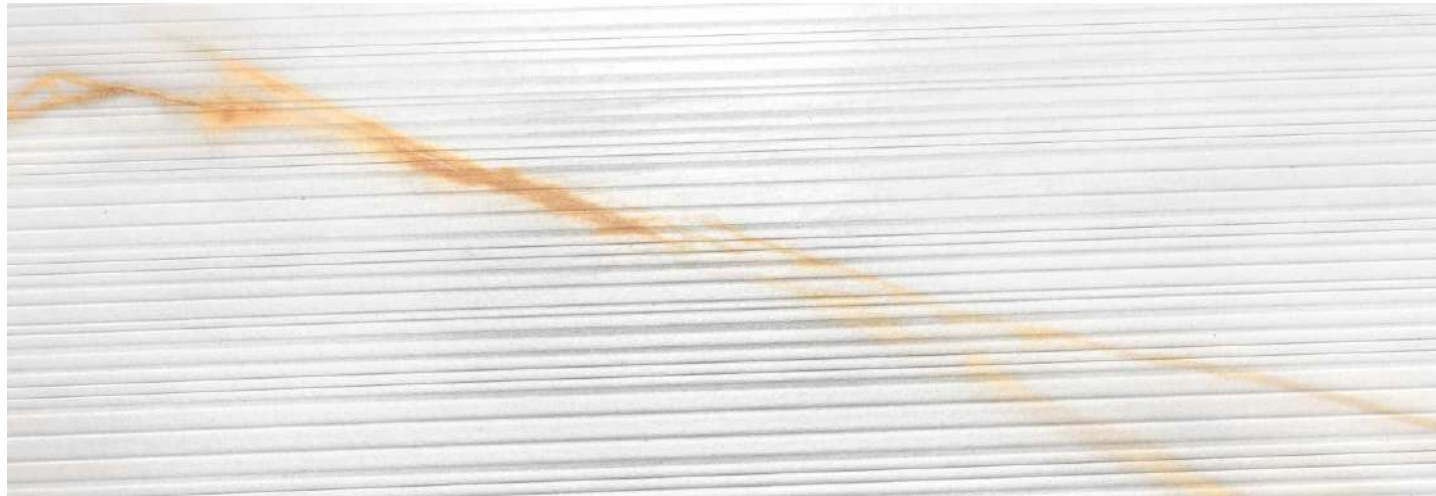
Wall: TASMANIAN SANDAL



Wall: TASMANIAN SANDAL



SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

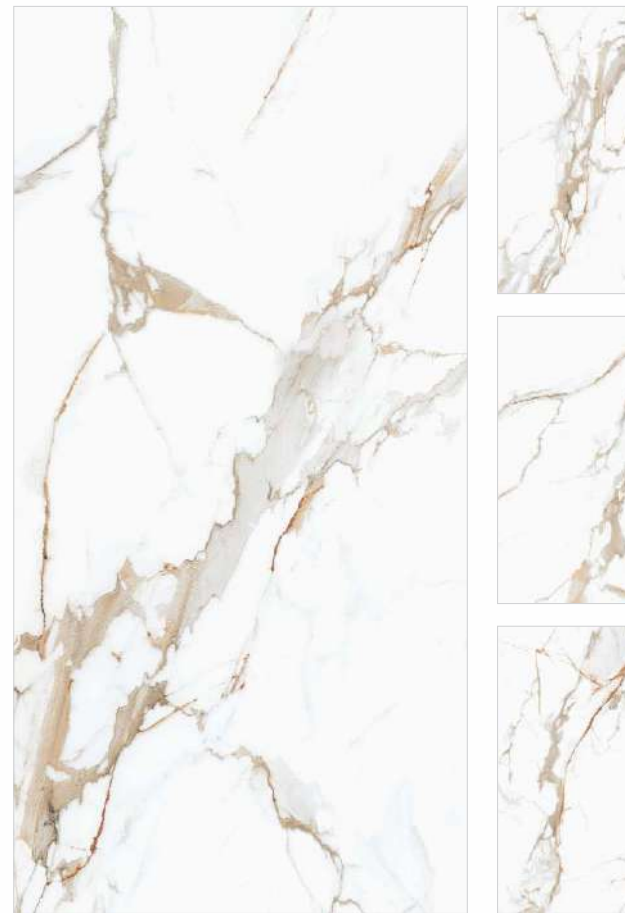


CALCATA OPTIMUS

CALCATA OPTIMUS STREAK

CALCI GOLD

CALCI GOLD CORD



Finish 4D  
Random 6 Faces



Finish 4D  
Random 6 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

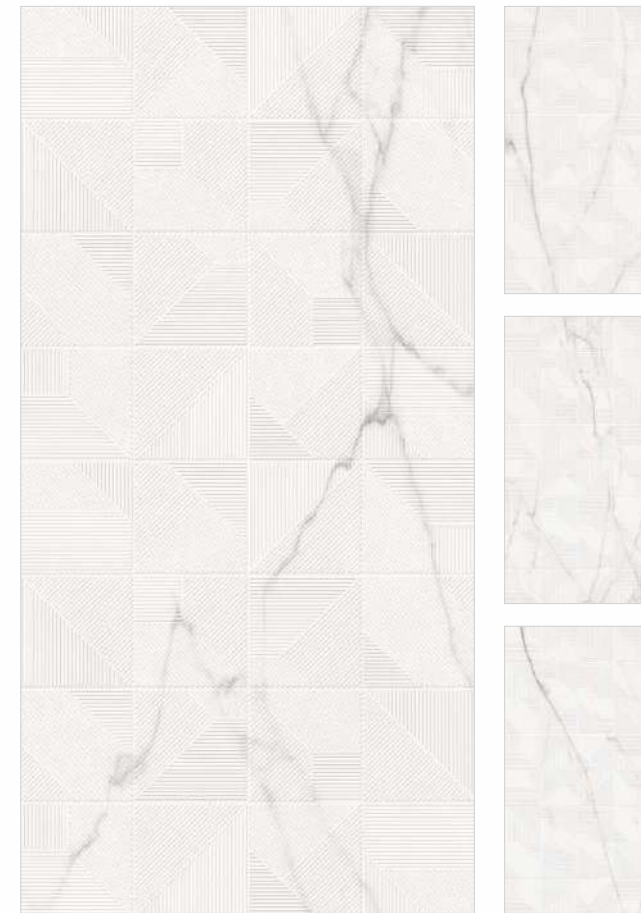
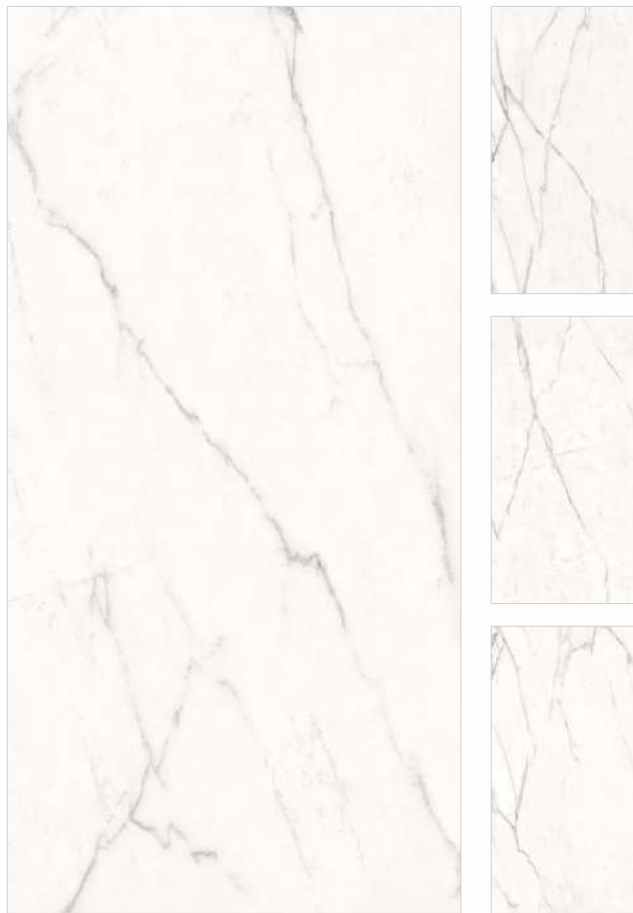


SNOWY WHITE

SNOWY WHITE FRACTAL

BOTICCINO AVORIO

BOTICCINO AVORIO TRIGON



Finish 4D  
Random 8 Faces



Finish 4D  
Random 8 Faces



Finish 4D  
Random 4 Faces

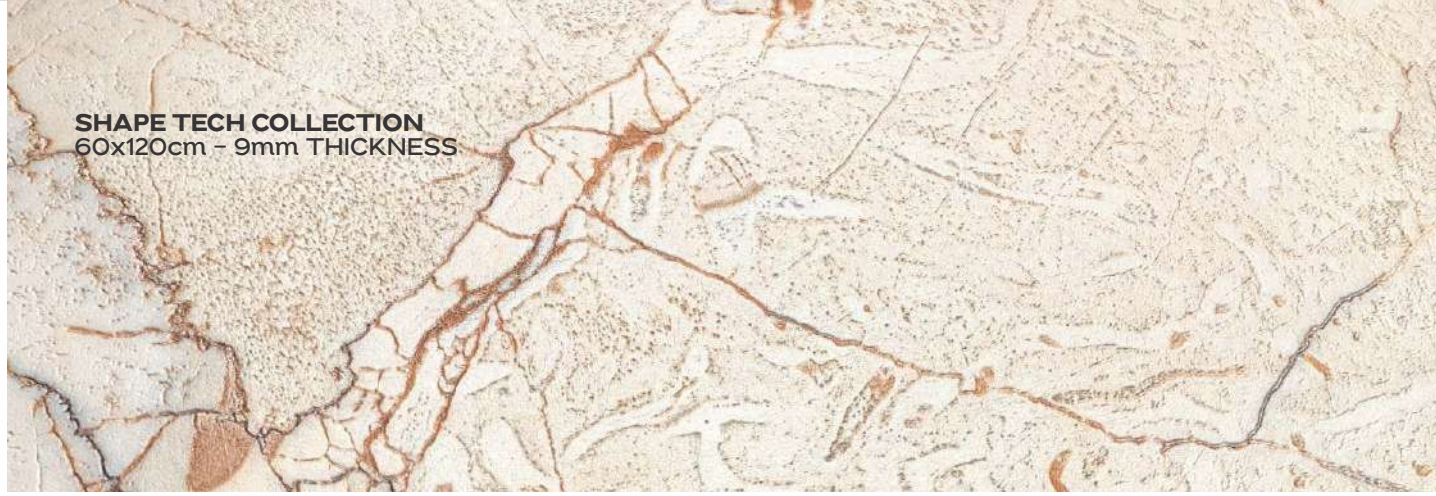


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



STELLAR CREMA

STELLAR CREMA CURVES

BURRY CREMA

BRACCIA ANTICA BLACK



Finish 4D  
Random 6 Faces



Finish 4D  
Random 6 Faces



Finish 4D  
Random 6 Faces



Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



JHANJHAR AVORIO

JHANJHAR AVORIO DIAMOND

JHANJHAR WHITE

JHANJHAR WHITE DIAMOND



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces

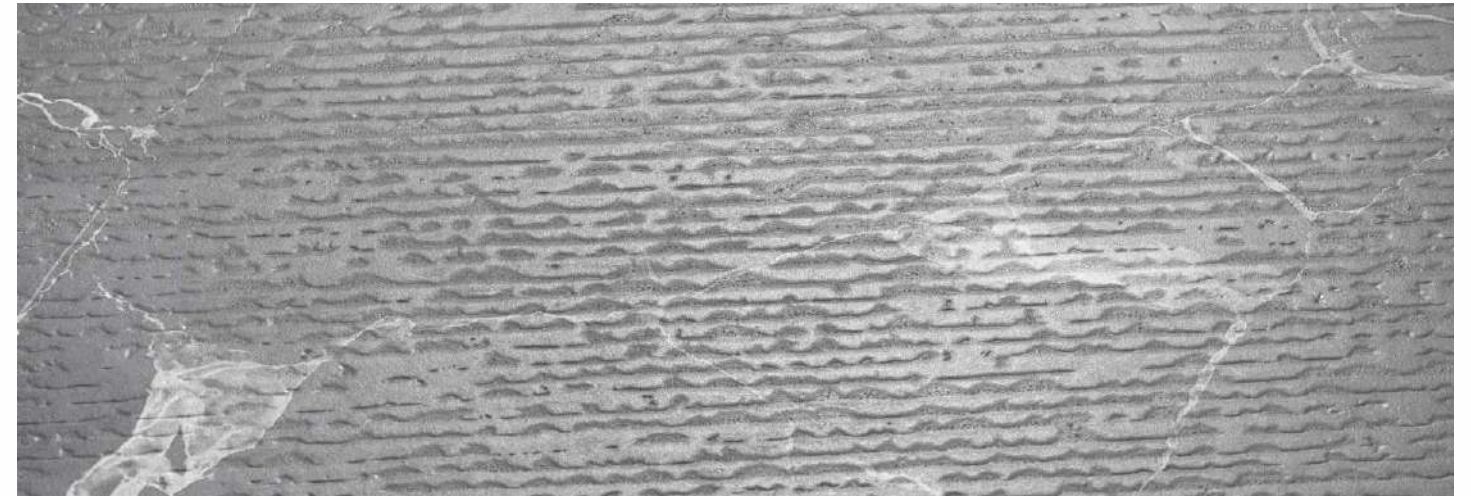
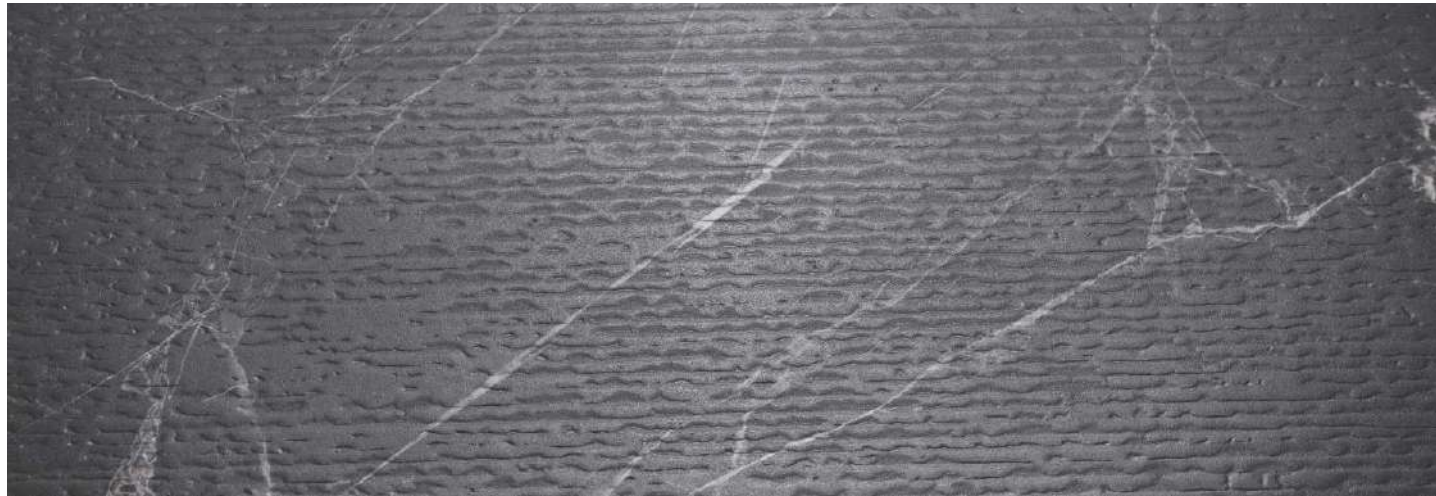


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

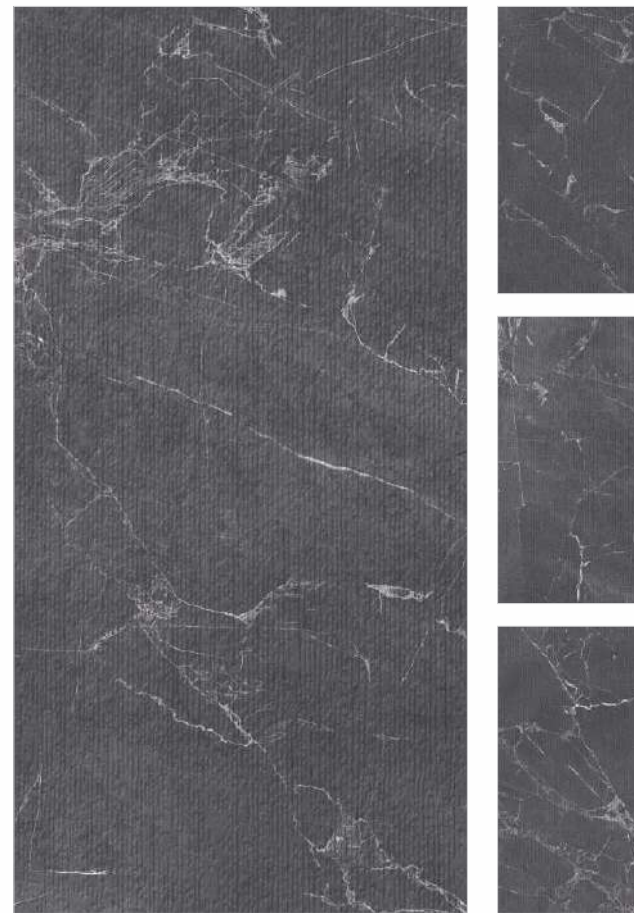
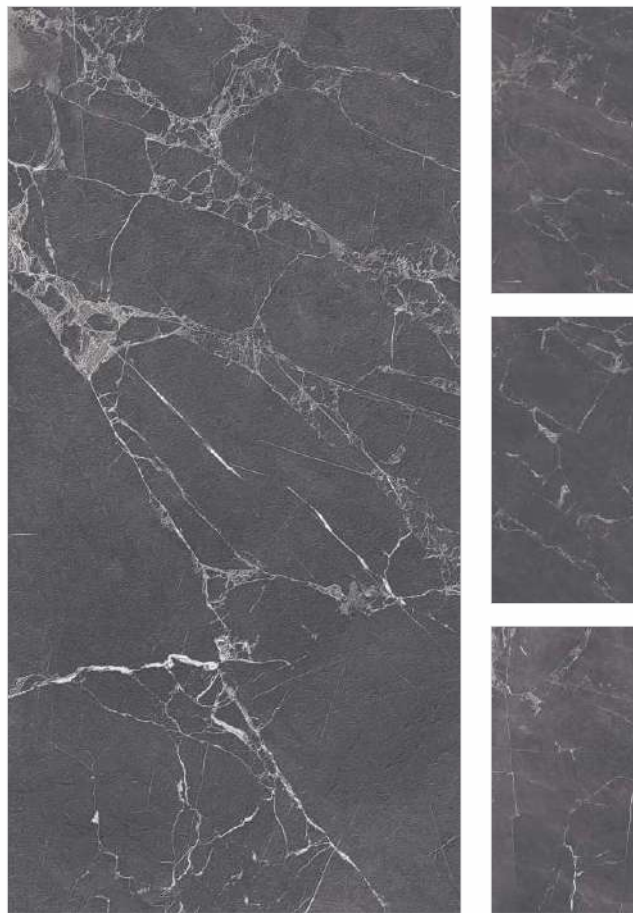


PORTA GRAFFITE

PORTA GRAFFITE CORD

PORTA GRIGIO

PORTA GRIGIO CORD



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



CREASE WHITE

TRAVERTINE STONE

TRAVERTINE STONE STREAKS

TRAVERTINE STONE WAVES



Finish 4D  
Random 6 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces

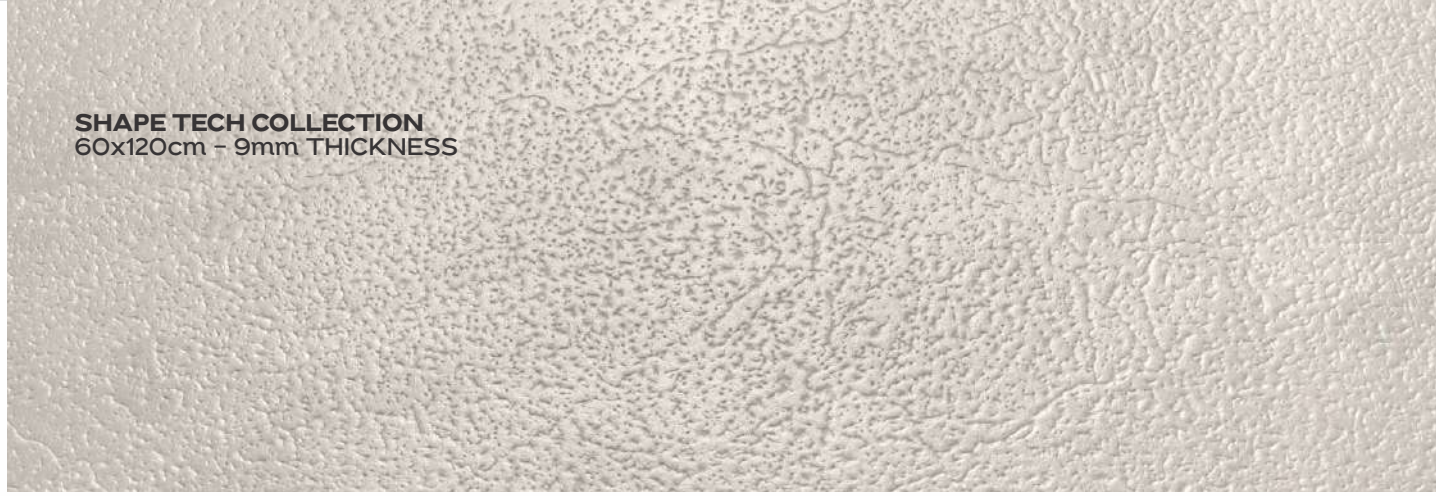


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

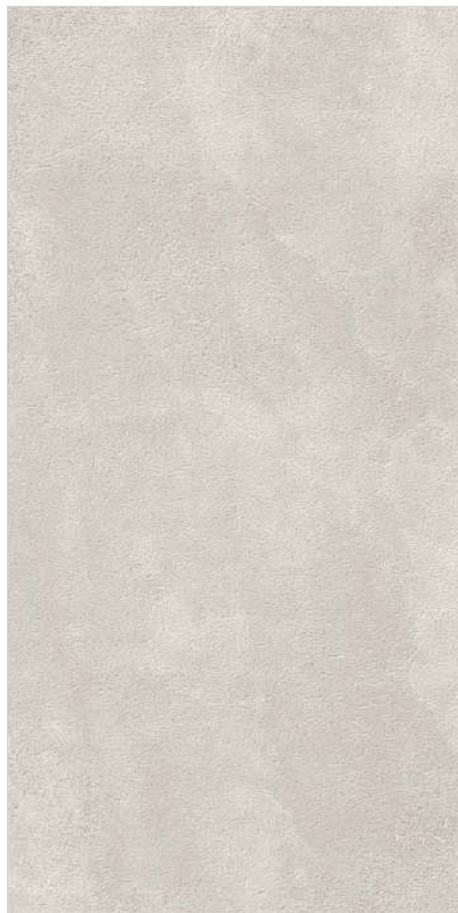


IRIS STONE RIVER

IRIS STONE RIVER STREAKS

IRIS STONE GRIGIO

IRIS STONE GRIGIO STREAKS



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 6 Faces

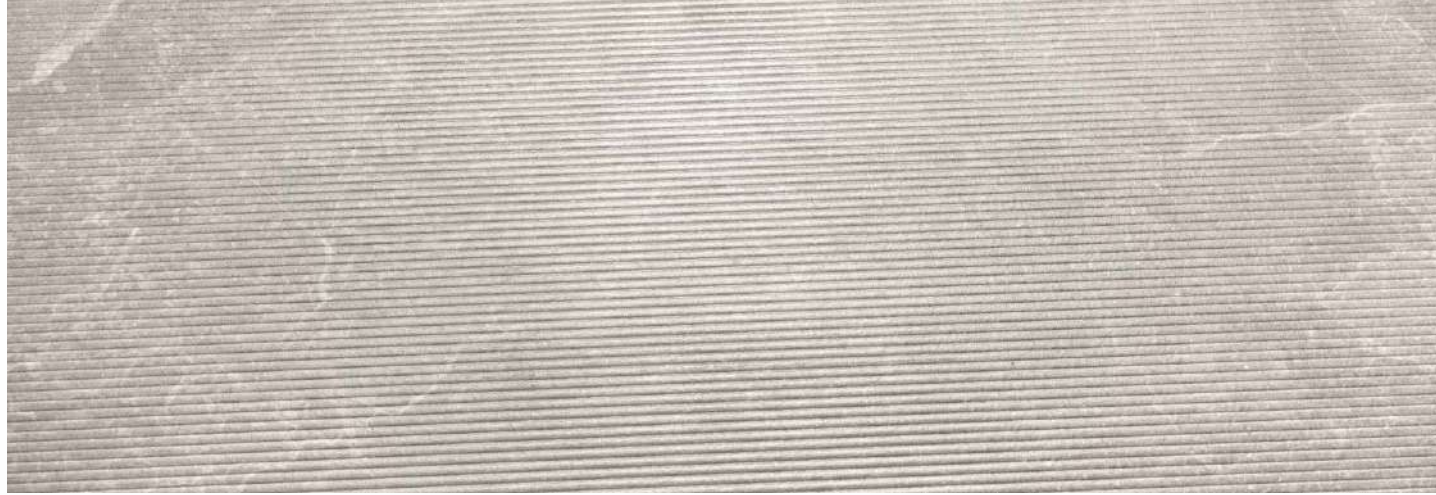


Finish 4D  
Random 6 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

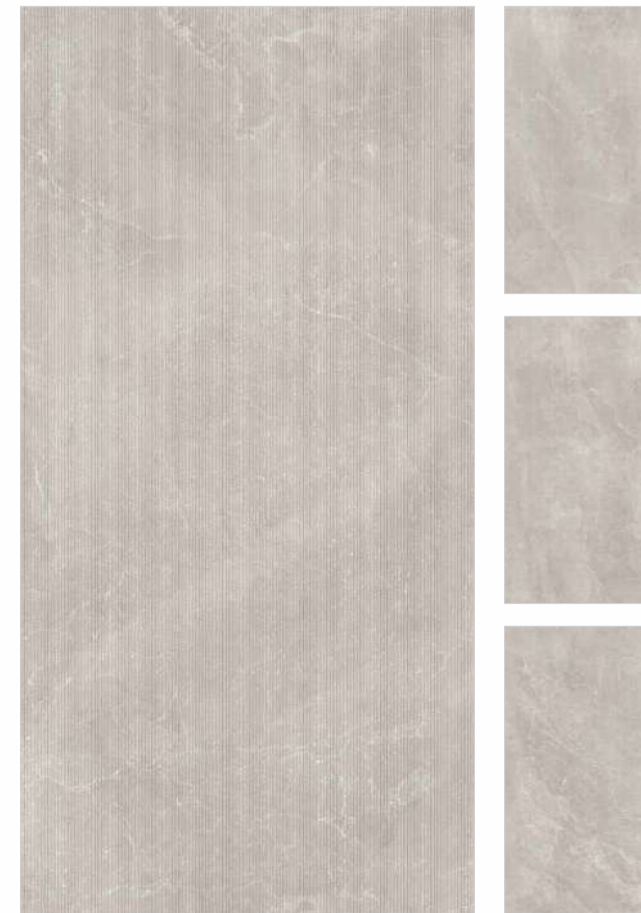


IRIS STONE TAN

IRIS STONE TAN STREAKS

WAVY STONE PEARL

WAVY STONE PEARL STROKE



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



PASTO STONE PEARL

PASTO STONE QUOTA

ATENA GRIGIO

MEMON BROWN



Finish 4D  
Random 6 Faces



Finish 4D  
Random 6 Faces



Finish 4D  
Random 4 Faces

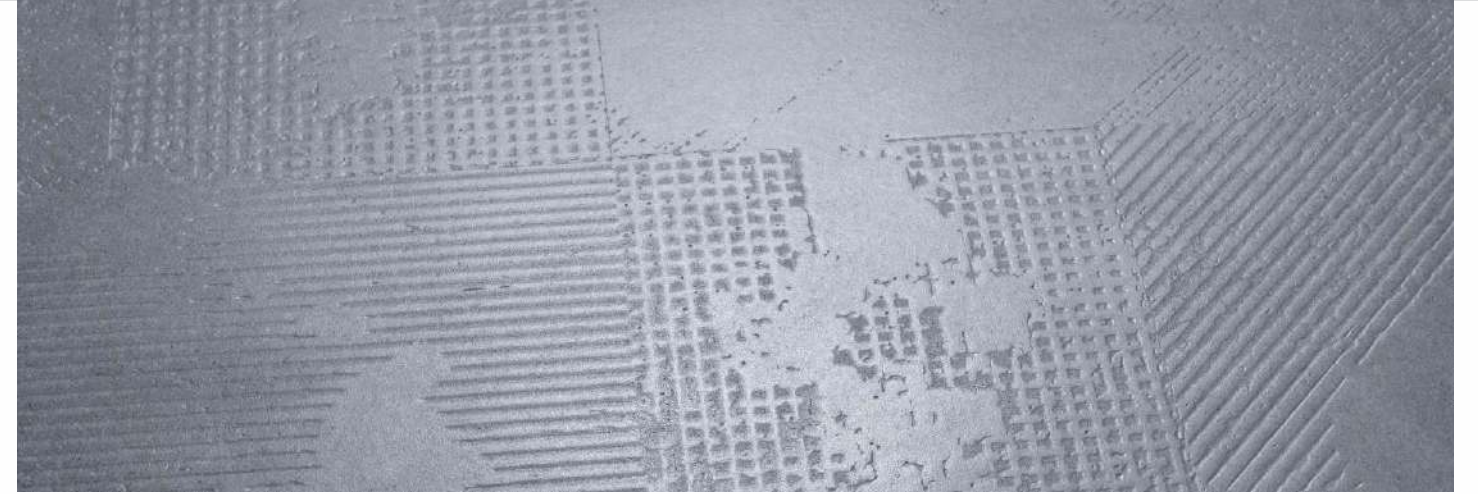


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS

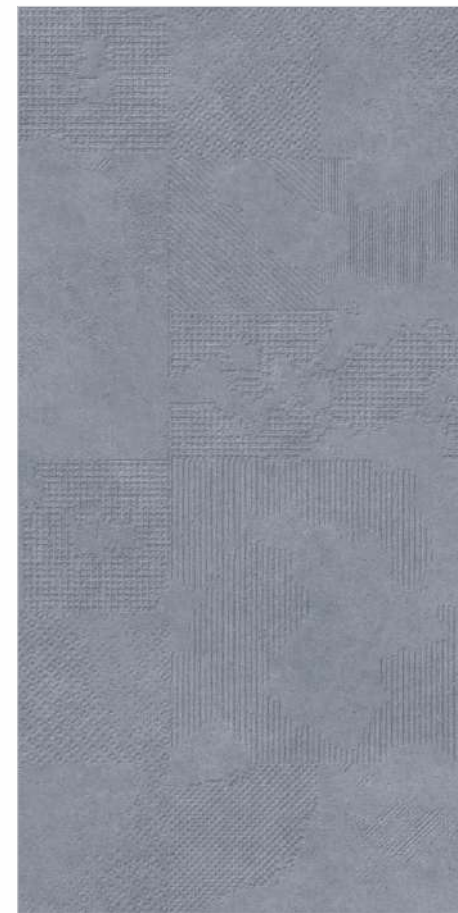


RAW CEMENTO PEARL

SAND STONE CAMEL

SAND STONE DENIM

SAND STONE PEARL



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces

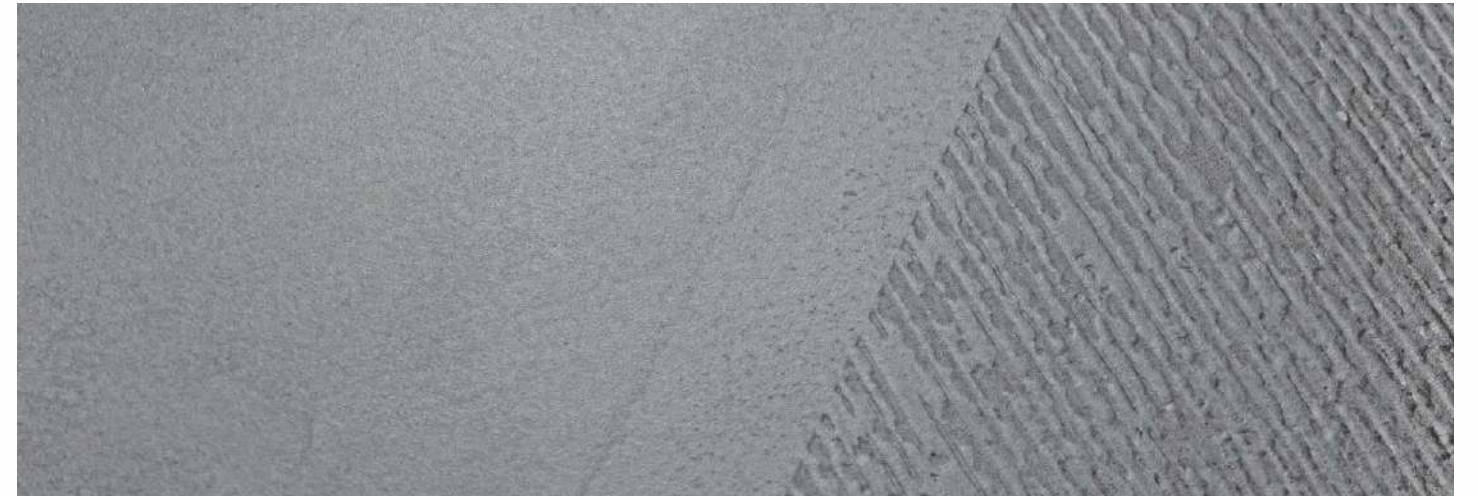
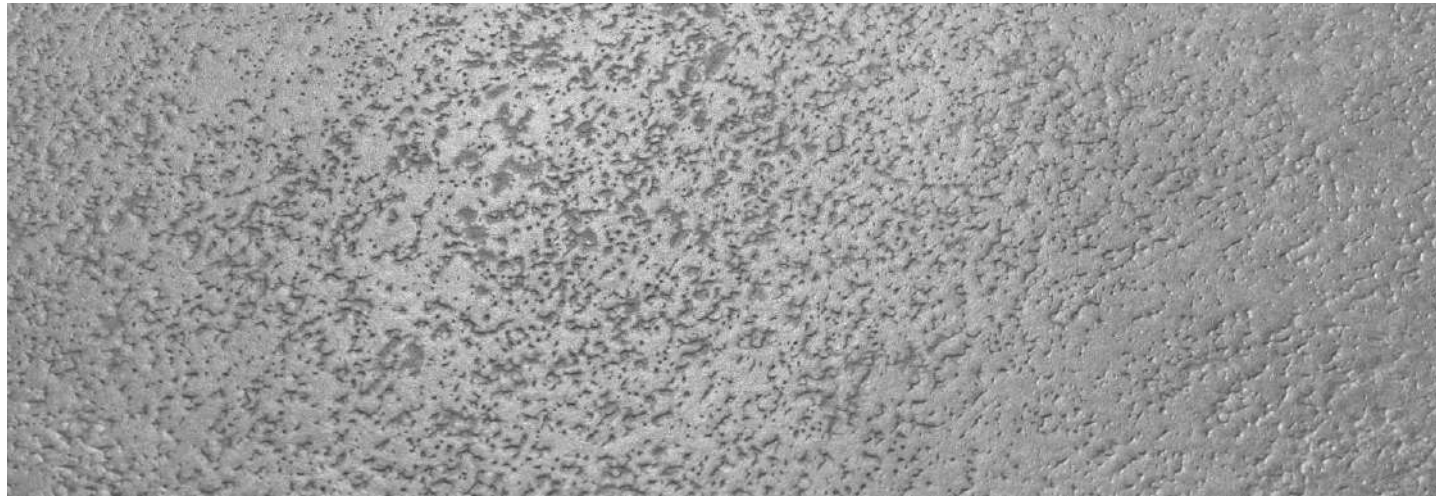


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



LIVING STONE PEARL

LIVING STONE GRIGIO

LIVING STONE QUOTA

MELAMINE SLATE



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces



Finish 4D  
Random 4 Faces

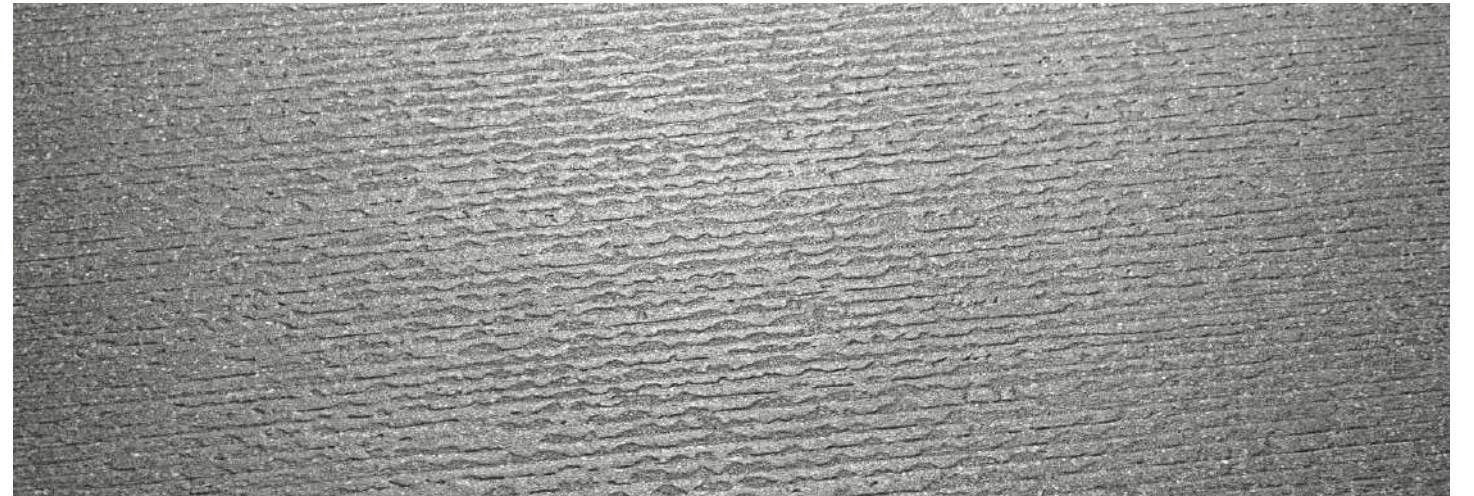


Finish 4D  
Random 4 Faces





SHAPE TECH COLLECTION  
60x120cm - 9mm THICKNESS



LYMESTONE ICE



Finish 4D  
Random 8 Faces



LYMESTONE WOOD



Finish 4D  
Random 8 Faces



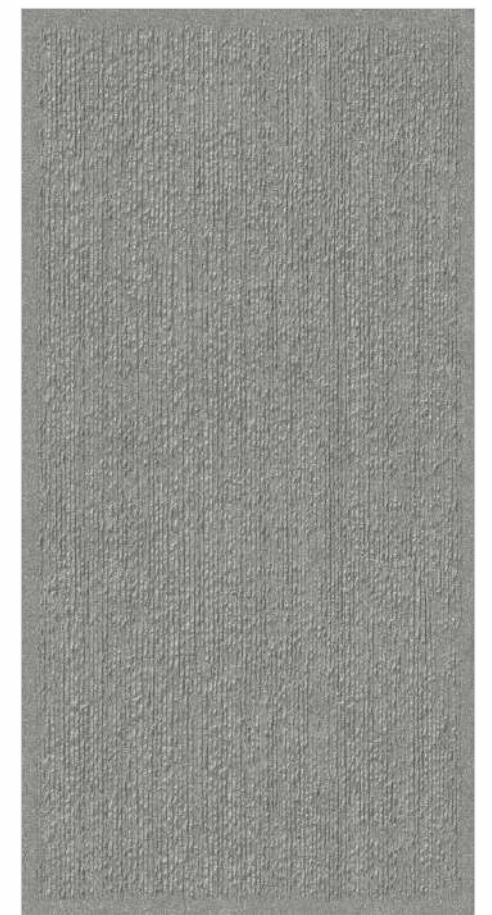
FLAGESTONES WHITE



Finish 4D  
Random 4 Faces



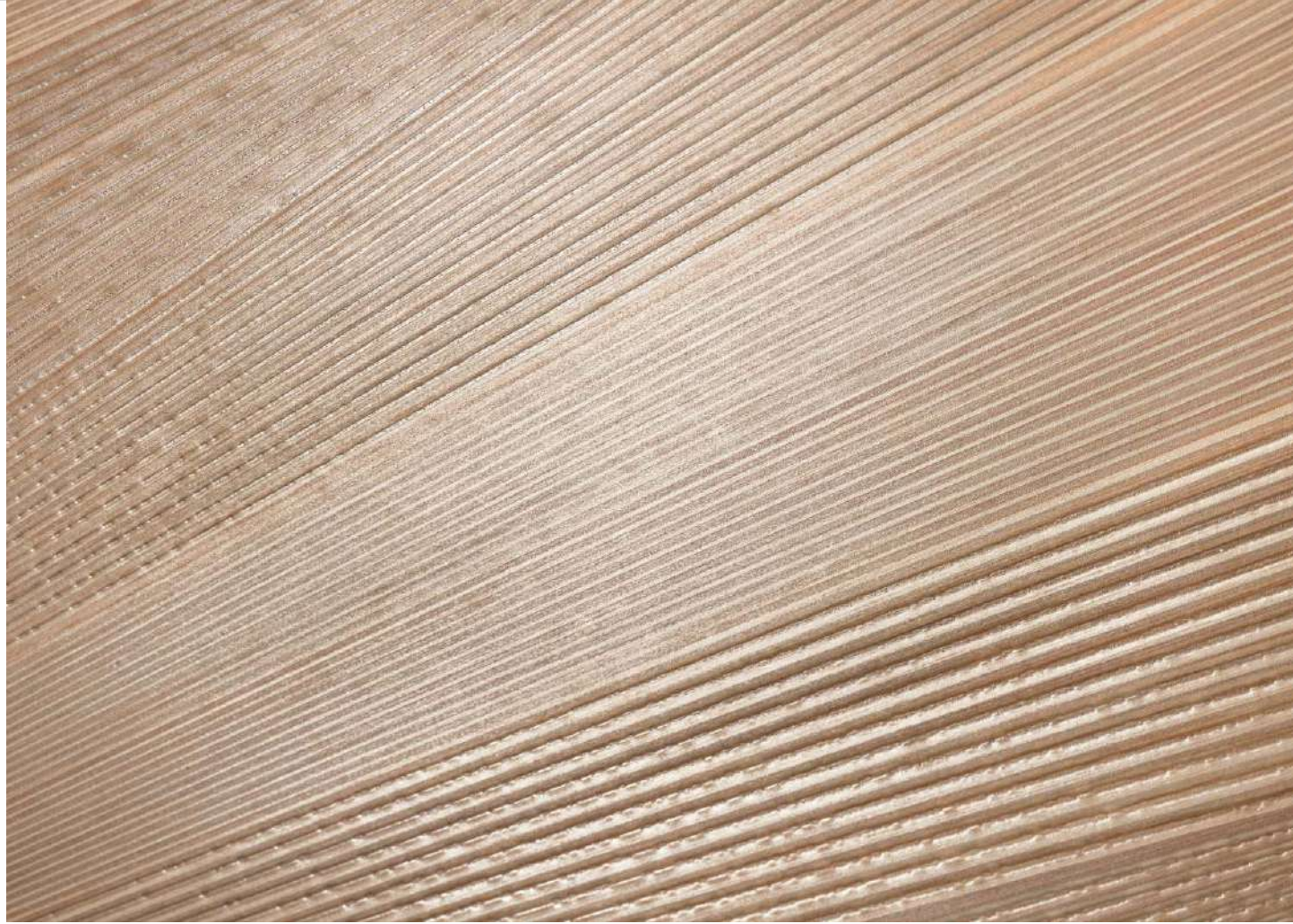
FLAGESTONES GRAY



Finish 4D  
Random 4 Faces







ART WOOD



Finish 4D  
Random 1 Face



SIGURT WOOD GRAY



Finish 4D  
Random 4 Faces



TASMANIAN SANDAL



Finish 4D  
Random 4 Faces





## TECHNICAL SPECIFICATION FOR GVT / PGVT

SR. NO.	CHARACTERISTICS	IS 15622:2017 GROUP BIA E ≤ 0.08	ISO 13006:2018 GROUP BIA EV ≤ 0.5 %	EN 14411:2016 GROUP BIA EV ≤ 0.5 %	TEST METHOD	SUNHEARRT VALUE
<b>A - DIMENSION &amp; SURFACE QUALITY (WHICH EVER IS LESS IS APPLICABLE)</b>						
i	Length & Width	±0.1%	± 0.3% OR ± 1.0 mm	± 0.6% OR ± 2.0 mm	ISO 10545 - 2 IS 13630 ( Part 1)	± 0.1%
ii	Thickness	± 5.0%	± 5.0% OR ± 0.5 mm	± 5.0% OR ± 0.5 mm		± 4%
iii	Straightness Of Side	±0.1%	± 0.3% OR ± 0.8 mm	± 0.5% OR ± 1.5 mm		± 0.1%
iv	Rectengularity	±0.1%	± 0.3% OR ± 1.5 mm	± 0.5% OR ± 2.0 mm		± 0.1%
v	Surface Flatness					
	a Center Curvature (%)	± 0.5%	± 0.4% OR ± 1.8 mm	± 0.5 % OR ± 2.0 mm		± 0.2 %
	b Edge Curvature (%)	± 0.5%	± 0.4% OR ± 1.8 mm	± 0.5 % OR ± 2.0 mm	± 0.2 %	
	c Corner Warpage (%)	± 0.5%	± 0.4% OR ± 1.8 mm	± 0.5 % OR ± 2.0 mm	± 0.2 %	
vi	Surface Quality	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects		Min. 95 % of tiles will be free from visible defects
<b>B - PHYSICAL PROPERTIES</b>						
i	Water Absorption	<0.08% Ind Max 0.1%	<0.5% Ind Max 0.6%	<0.5% Ind Max 0.6%	ISO 10545-3 IS 13630 (Part 2)	<0.08%
ii	Modulus Of Rupture [n/mm <sup>2</sup> ]	Av 35, Individual 32 min	Av 35, Individual 32 min	Av 35, Individual 32 min	ISO 10545-4 IS 13630 ( Part 6)	>35
iii	Breaking Strength In N	700 for < 7.5mm T 1300 for ≥ 7.5mm T	700 for < 7.5mm T 1300 for ≥ 7.5mm T	700 for < 7.5mm T 1300 for ≥ 7.5mm T		>1300
iv	Moisture Expansion In Mm/m	0.02	0.06%/0.6mm/m	0.06%/0.6mm/m	ISO 10545-10 IS 13630 ( Part 3)	Nil
v	Resistance To Abrasion Of Glazed Tiles ( Class I To V )	Minimum Class II	Depending on surface (As reported)	Depending on surface (As reported)	ISO 10545-7 IS 13630 ( Part 11)	Min Class 3 for PGVT
	Resistance To Deep Abrasion Of Unglazed Tiles (volume Removed In Mm <sup>3</sup> )	Max-140	Max -175	Max -175	ISO 10545-6 IS 13630 ( Part 12)	
vi	Coefficient Of Linear Thermal Expansion From Embiant Temperature To 100 0 C	6 X 10 -6 K-1	9 X 10 -6 K-1 max	9 X 10 -6 K-1 max	ISO 10545-8 IS 13630 ( Part 4)	6 X 10 -6 K-1 max
vii	Thermal Shock Resistance	10 Cycle Passed	10 cycle min	10 cycle min	ISO 10545-9 IS 13630 (Part 5)	10 cycle Passed
viii	Crazing Resistance	4 cycle	2 Cycle ( @ 5 bar))	2 Cycle ( @ 5 bar))	ISO 10545-11 IS 13630 (Part 9)	4 cycle passed
ix	Frost Resistance	100 Cycle	Required	Required	ISO 10545-12 IS 13630 (Part-10)	Passed
x	Impact Resistance	0.55	0.55	0.55	ISO 10545-5 IS 13630 (Part 14)	>0.55
xi	Bulk Density	Min 2.2			ISO 10545-3 IS 13630 (Part 2)	2.2 gm/cc.min
<b>C - CHEMICAL PROPERTIES</b>						
i	Stain Resistance	Min Class I	Min Class 3	Min Class 3	ISO 10545-14 IS 13630 (Part 8)	Class 3 ( as per ISO)
ii	Resistance To Household Chemicals	Class AA	Min Class B	Min Class B	ISO 10545-13 IS 13630 (Part 8)	Class A( AS per ISO)
iii	Resistance To Acid And Alkalies		Decleared Value	Decleared Value	ISO 10545-13 IS 13630 (Part 8)	Class A

## PACKING DETAILS

SIZE	PIECES / BOX	COVERAGE AREA / BOX		WEIGHT / BOX
60x120cm	2	15.50 sq. ft.	1.44 sq. mtr	26.5 Kg (approx)

Note: Color shown in catalog may vary with the original tile. Slight shade & size variation is an inherent property of Ceramic / Vitrified tiles.  
For Normal Glossy Class III, High Glossy Class II/Class III, Matt Class III/Class IV.

## NOTES



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