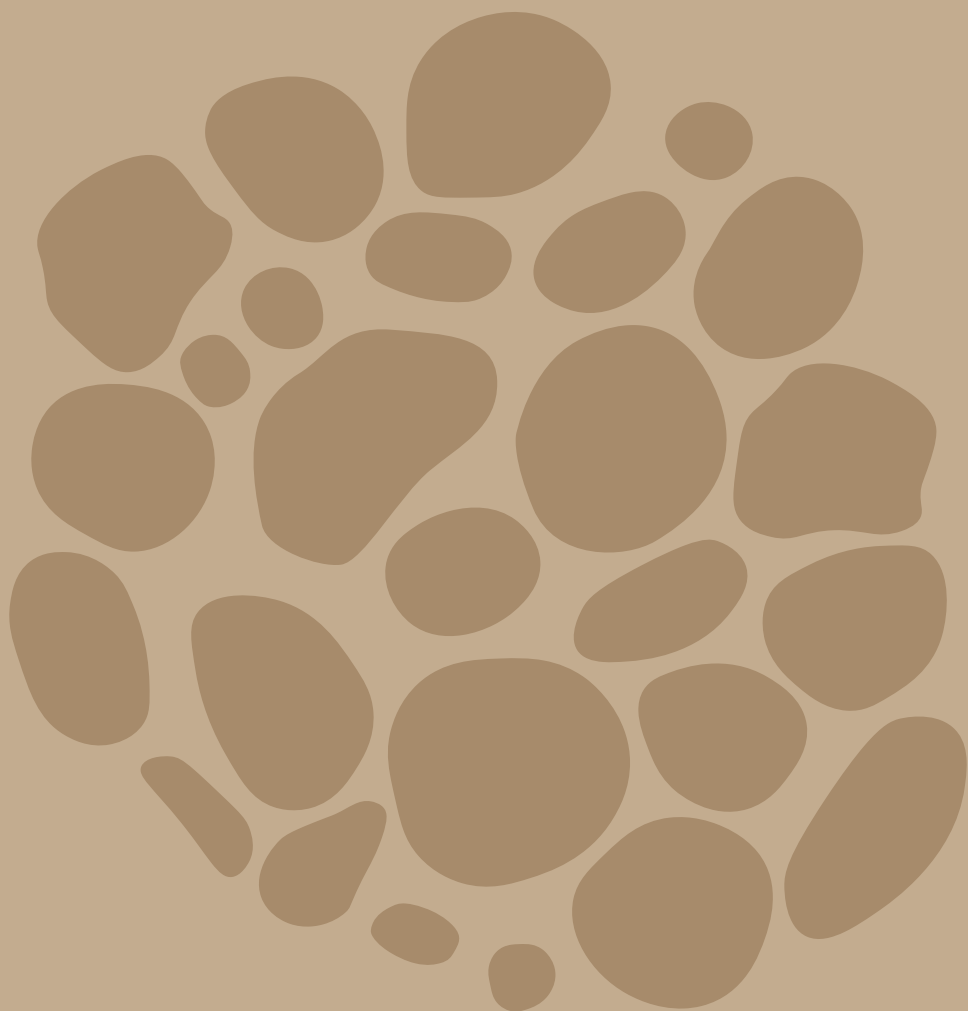


SUNHEART
CERAMIK



RICHMOND
OUTDOOR TILES

60x60cm / 15mm Thickness

COLLECTION 2024

SUNHEARRT INTRODUCTION

Path-breaking innovations with a Promise of quality!

Inspired in collection, and unmatched in design; Sunhearrrt, 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, Sunhearrrt 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. Sunhearrrt 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. Sunhearrrt 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 Sunhearrrt 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!

AESTHETIC ALLURE



Picked from the lushest grooves to inspire the natural charm of a stone and tamed to have a natural charm that leverages the strength of the finest pebbles. An awe of influence that creates earthiness with great effects and nurtures sleek imprints of durable and rustic characteristics.



Travertines that add versatility to your dynamic space and contemplate characteristics that are directional and rustic. Elevate sustainability and exude an earthy vibe through ensembles that are depictions of masterpieces.

INTRODUCTION

A CONFLUENCE OF STYLE & COMFORT

Inlay your exteriors with profound anti-skid surfaces that add the excitement of Onyx marvels to your space. Endure the memoirs of brute forces that require minimum maintenance and surge interesting aesthetics.



Protect your space from the wear and tear of fragile elements with surfaces that are impervious to time and whose durability is unlikely to warp over time. Add a sense of maintenance and create open spaces that are actively operative.

Non-porous substances of stability to perfectly accessorize your exteriors, enriched with a double layer of durability to create rows of elegance. Fill up the dimensions of substantial characters with rugged and rustic monotones of art.

PRODUCTS INTRODUCTION

A diaspora of innovations stemmed from the rustic delights that are peppered with an efficacy of capabilities. Create an offset of warmth with nature-inspired designs to furbish your exteriors with an enthuse of creativity.



Simply Amazing Detail

A crisp addition of versatility that blends with your mood and safeguards your exteriors for you to create a pool of memories. Punched with the details of time, these crafts are a confluence of innovative designs and intricate craftsmanship.

Even More Formats

Entice the different applications of these surfaces in your exteriors and create a profound and bold impression of allure. Stacked with innumerable features of excellence, these surfaces are made to garner your capabilities.

Committed to Innovation

With infinite variabilities of innovation, witness a stimulation of design and creativity, an interlude of grace and safety. Align the aesthetics of your exteriors with a fiery excitement of surfaces that enhance the richness of innovation.

Limitless Creativity

Create a range of relevance through versatile options that enhance your space's aesthetics and improve its functionality. Engineered to create a long-lasting tale of time, texture the grip of your exteriors with bold subtlety.

DYNAMIC PATTERNS THAT UPHOLD MARVEL



MULTI-UTILITY FORMAT & THICKNESS

Graced with 15mm thickness to provide you with an anti-skid exhibit of monotone.



Enhances your exteriors

These surfaces are a perfect curation that decks up your exteriors.

15mm thickness of safety

Embody your exteriors with anti-skid durable surfaces.

Low-maintenance

Let maintenance take a backseat with these maintenance-free surfaces.

Easy installation

Add versatile demographics to your space with such highly versatile creations.



VERSATILITY

Inviting endless possibilities through these seamless dynamics of creativity that ensures vividness. Redefining the standards of creativity through an enigmatic force of versatility.

MORE SOFTNESS AND CLEANLINESS

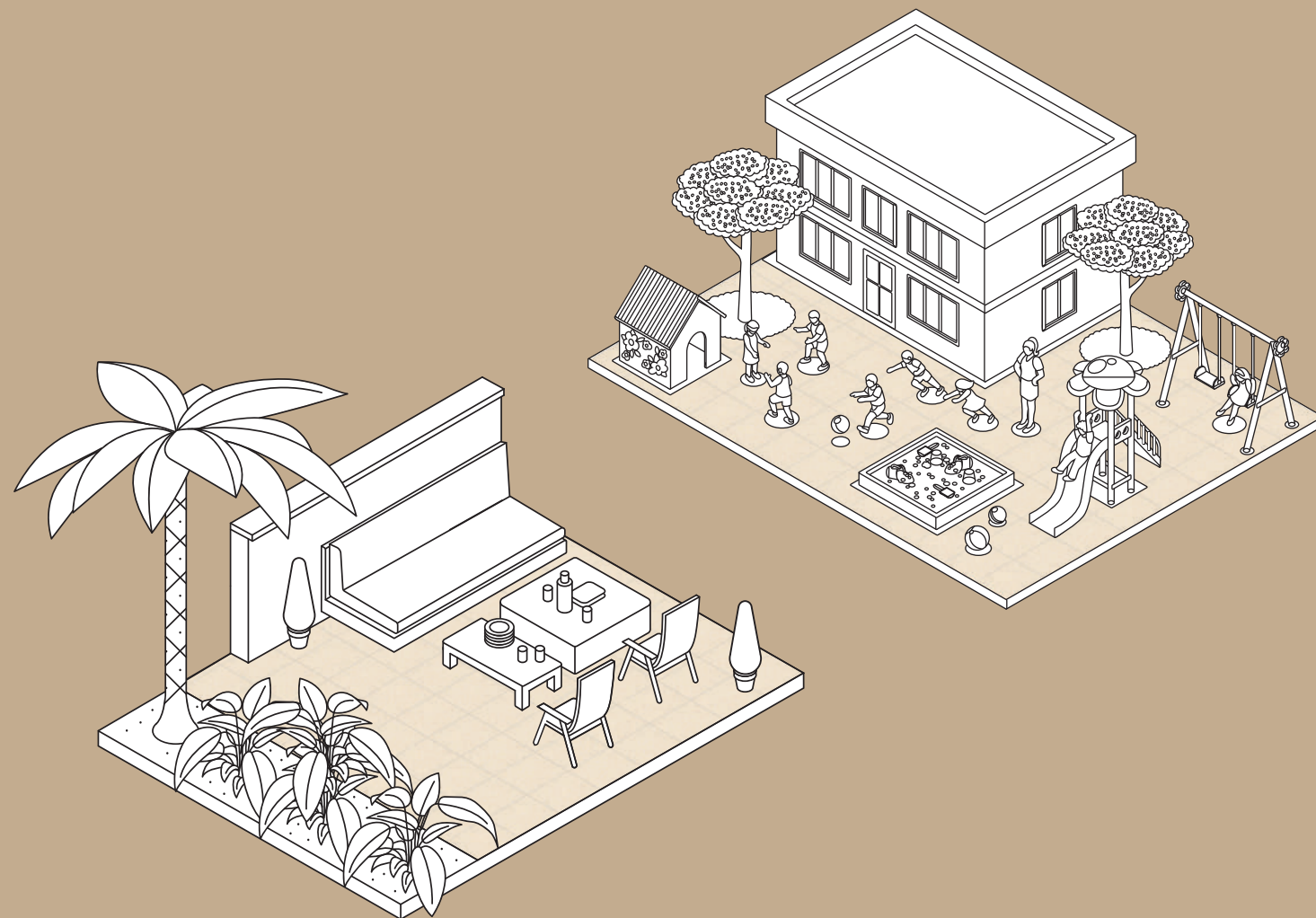
Our innovative Richmond surface boasts improved aesthetics and enhanced functionality, making it ideal for your exteriors. Thanks to its dynamic durability!

MORE HARMONY

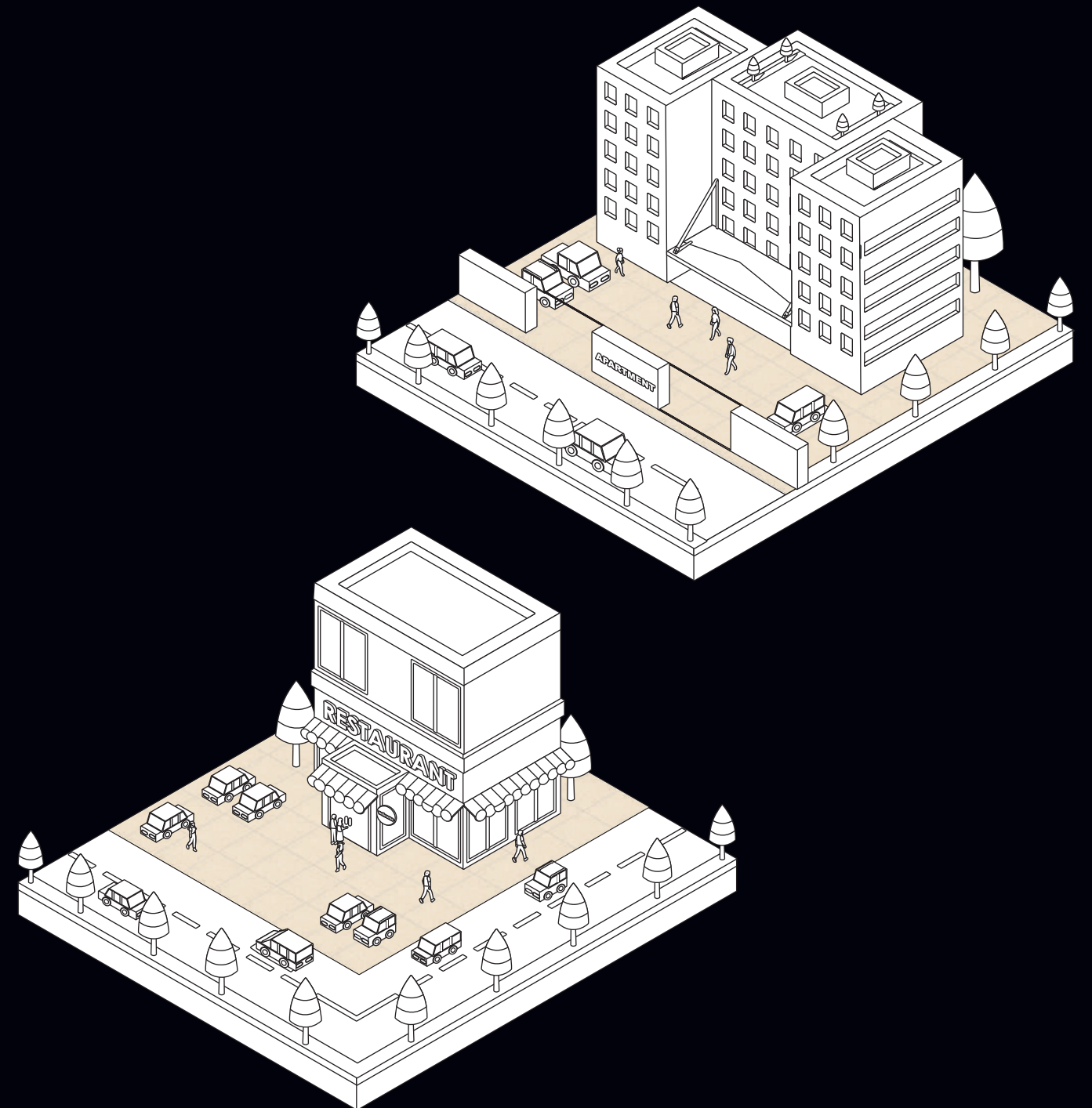
These are exceptional pieces that surpass artistic expressions through skilfully crafted marvels that are a reflection of time and allure. The enhanced aesthetics of decor style up your space with dignity.

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 Richmond surfaces.



MULTI-FUNCTIONAL APPLICATIONS FOR YOUR SPACE



*This icon shows this an Antislip Soft piece.

A MULTIHUED POETRY



Finish Matt



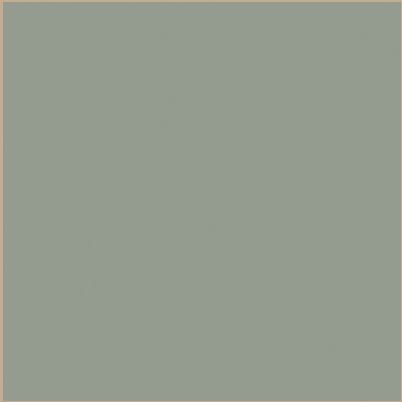
RICHMOND IVORY



RICHMOND SILVER



RICHMOND NERO



RICHMOND KOTA



RICHMOND GREY

The punches of accent colors create a marvel of impressions and style up your exteriors with grace, innovation, and durability. A spectrum of colors that can match your versatile moods and soothe your eyes with calming composure.

With subtle tones that reflect its invitation to calming memories and add a flair of rustic textures to your space, add motifs of inspiration to your space. Create a replica of simplicity with a palette of minimal aesthetics.

Finish Rustic



RICHMOND BLAST IVORY



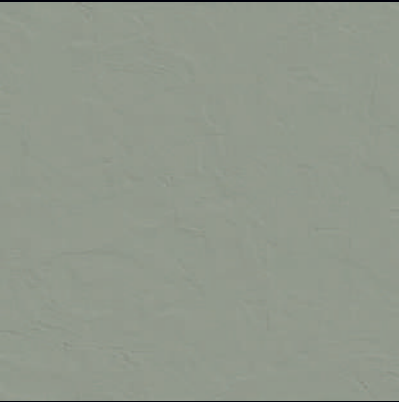
RICHMOND BLAST SILVER



RICHMOND BLAST NERO



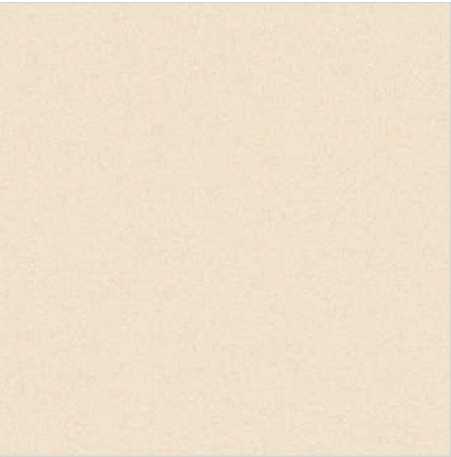
RICHMOND ROCK GREY



RICHMOND ROCK KOTA

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

RICHMOND IVORY



RICHMOND IVORY
Finish **Matt**

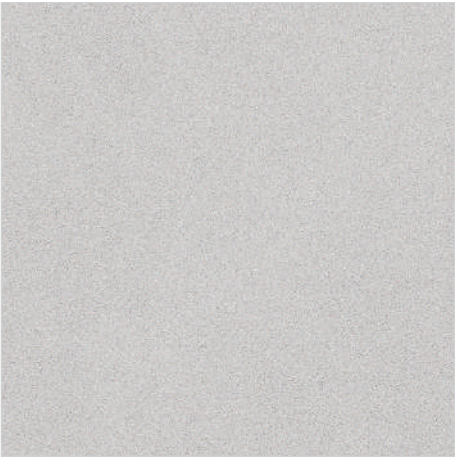


RICHMOND BLAST IVORY
Finish **Rustic**



RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

RICHMOND SILVER



RICHMOND SILVER

Finish **Matt**

RICHMOND BLAST SILVER



RICHMOND BLAST SILVER

Finish **Rustic**

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS



Floor: RICHMOND BLAST SILVER

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

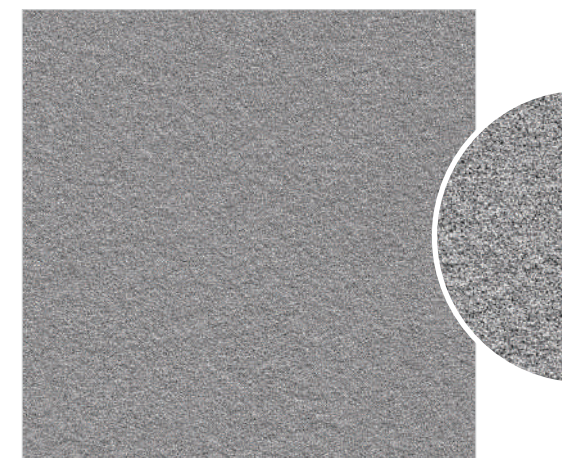
RICHMOND NERO



RICHMOND NERO

Finish **Matt**

RICHMOND BLAST NERO



RICHMOND BLAST NERO

Finish **Rustic**



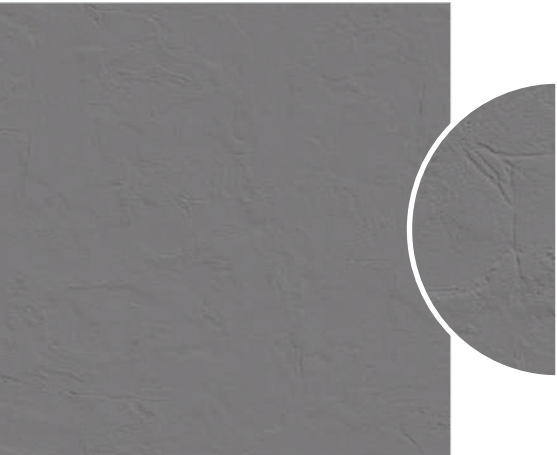
RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

RICHMOND GREY

RICHMOND ROCK GREY



RICHMOND GREY
Finish **Matt**



RICHMOND ROCK GREY
Finish **Rustic**

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS



Floor: RICHMOND ROCK GREY

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

RICHMOND KOTA

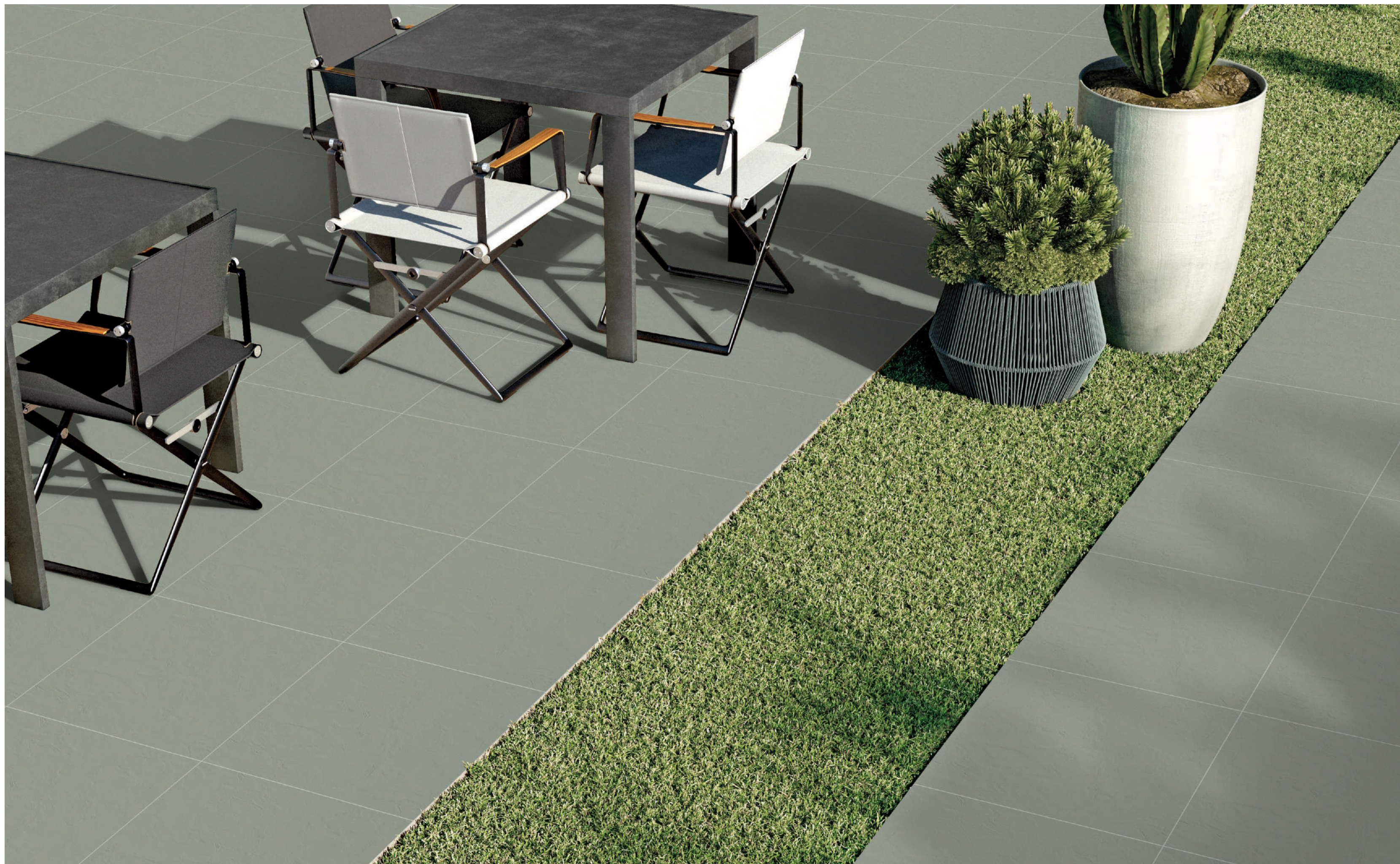
RICHMOND ROCK KOTA



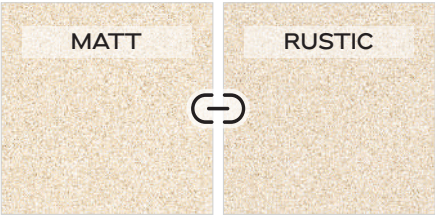
RICHMOND KOTA
Finish **Matt**



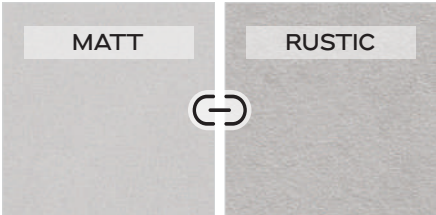
RICHMOND ROCK KOTA
Finish **Rustic**



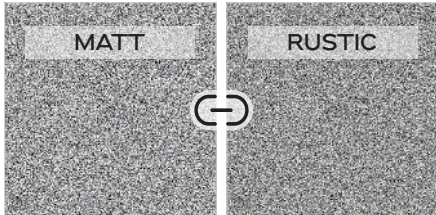
SAME DESIGN IN MULTIPLE FINISHES



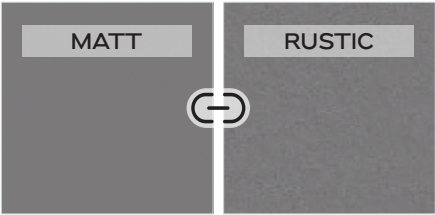
Richmond Ivory
Richmond Blast Ivory



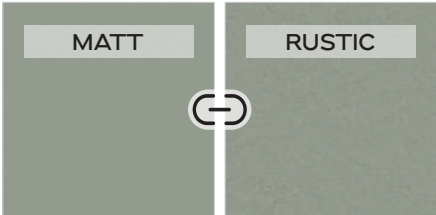
Richmond Silver
Richmond Blast Silver



Richmond Nero
Richmond Blast Nero



Richmond Grey
Richmond Rock Grey



Richmond Kota
Richmond Rock Kotta

RICHMOND COLLECTION 24
60x60cm - 15mm THICKNESS

TECHNICAL SPECIFICATION FOR FULLBODY - 15MM

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	SUNHEART VALUE
A - DIMENSION & SURFACE QUALITY (WHICH EVER IS LESS IS APPLICABLE)						
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		< ± 5.0% OR ± 0.5 mm
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 - PHYSICAL PROPERTIES						
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/mm2]	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)	Not Applicable	Not Applicable		ISO 10545-7 IS 13630 (Part 11)	
	Resistance to Deep Abrasion of Unglazed tiles (Volume removed in mm³)	Max-140	Max -175	Max -175	ISO 10545-6 IS 13630 (Part 12)	Max-140
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 min
viii	Crazing Resistance	4 cycle	2 Cycle (@ 5 bar))	2 Cycle (@ 5 bar))	ISO 10545-11 IS 13630 (Part 9)	Not Applicable
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	2.2		Not A requirement	ISO 10545-3 IS 13630 (Part 2)	2.2 gm/cc.min
C - CHEMICAL PROPERTIES						
i	Stain Resistance	Min Class 2	Decleared Value	Decleared Value	ISO 10545-14 IS 13630 (Part 7)	Class 3
ii	Resistance to household chemicals	Class AA	Min Class B	Min Class B	ISO 10545-13 IS 13630 (Part 7)	Class A
iii	Resistance to Acid and alkalies	Decleared Value	Decleared Value	Decleared Value	ISO 10545-13 IS 13630 (Part 8)	Class A

PACKING DETAILS

SIZE	PIECES / BOX	COVERAGE AREA / BOX		WEIGHT / BOX
60x60cm (15mm)	2	7.75 sq. ft.	0.72 sq. mtr	23 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.

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