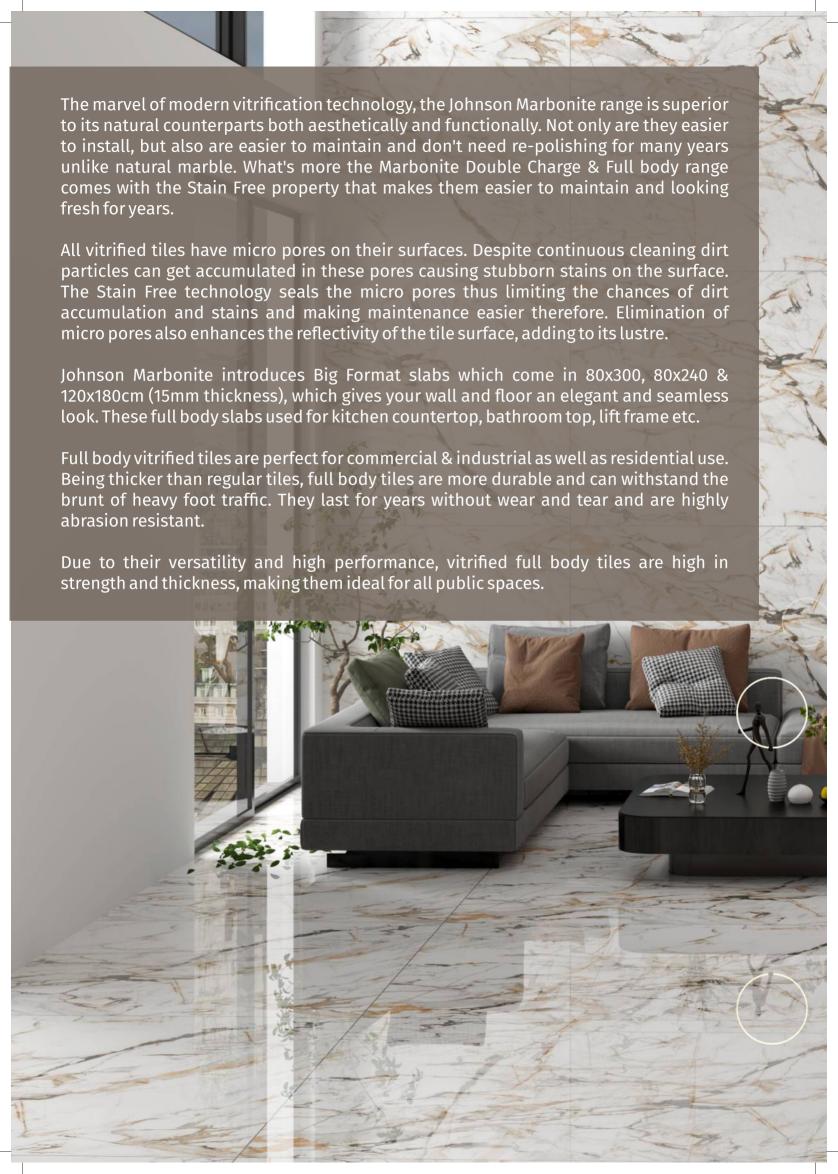
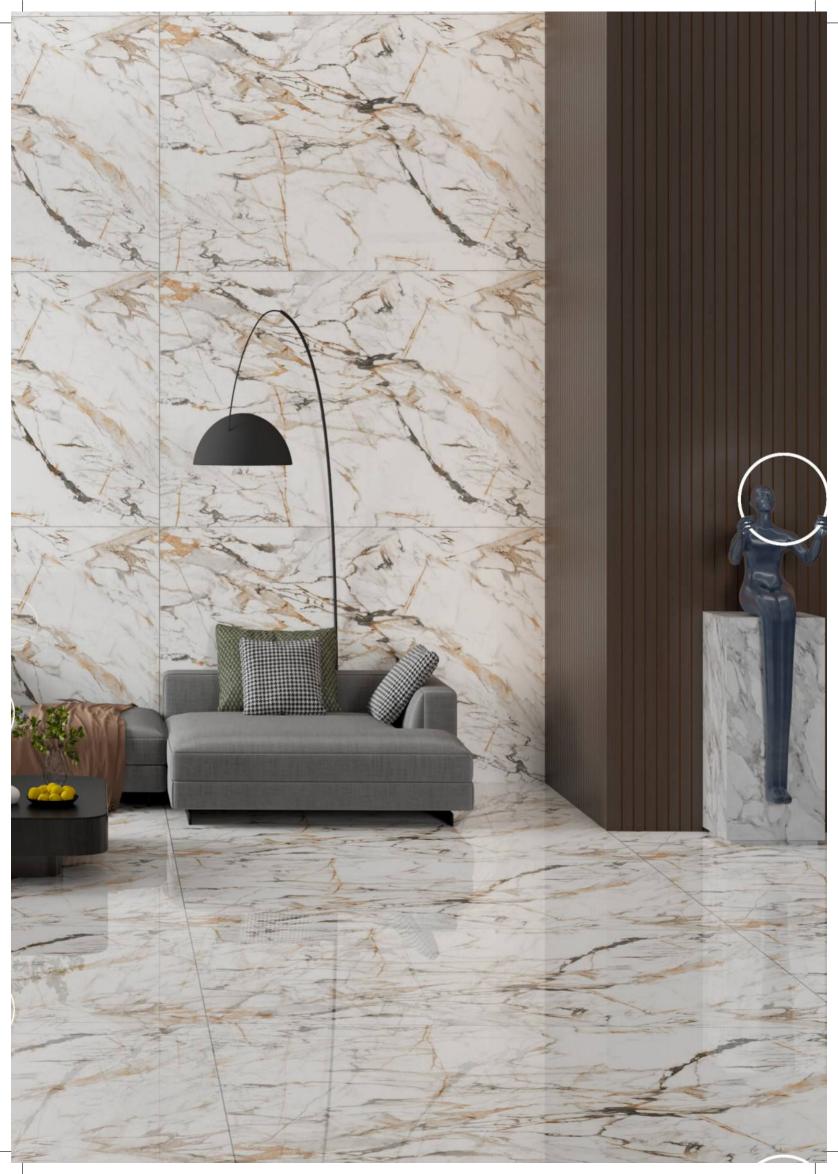






80x300, 80x240, 120x180, 60x120, 80x80, 60x60, 40x40 CM





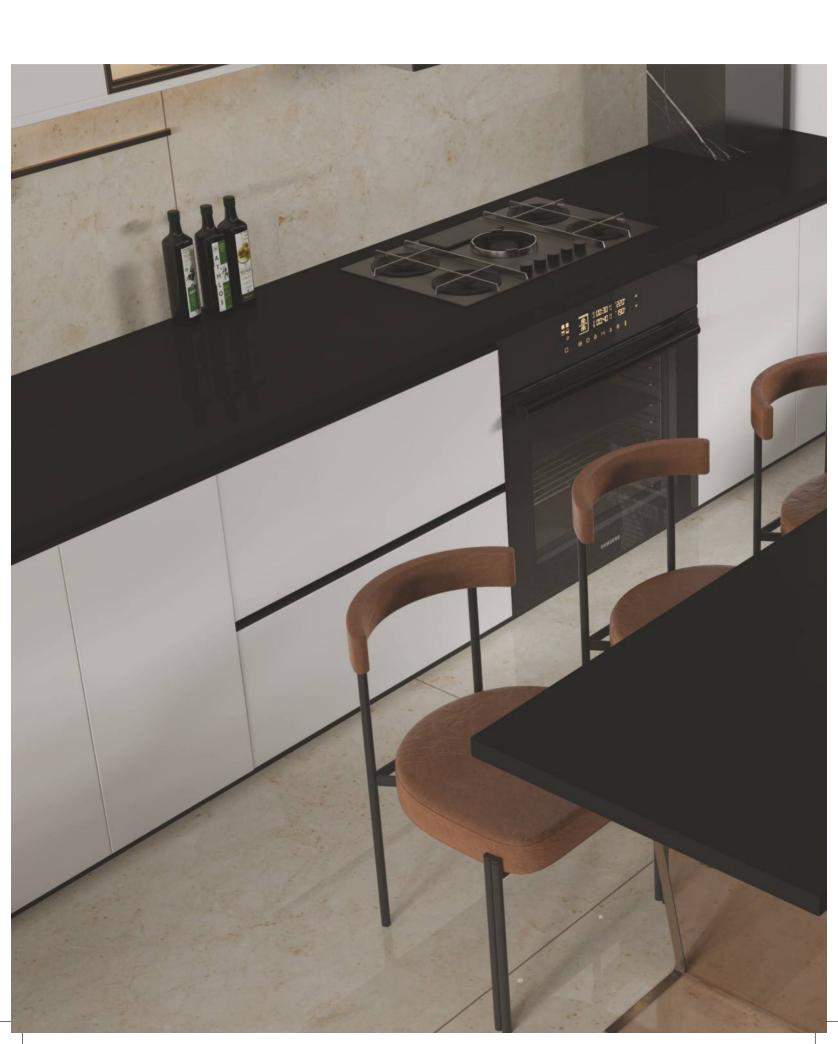




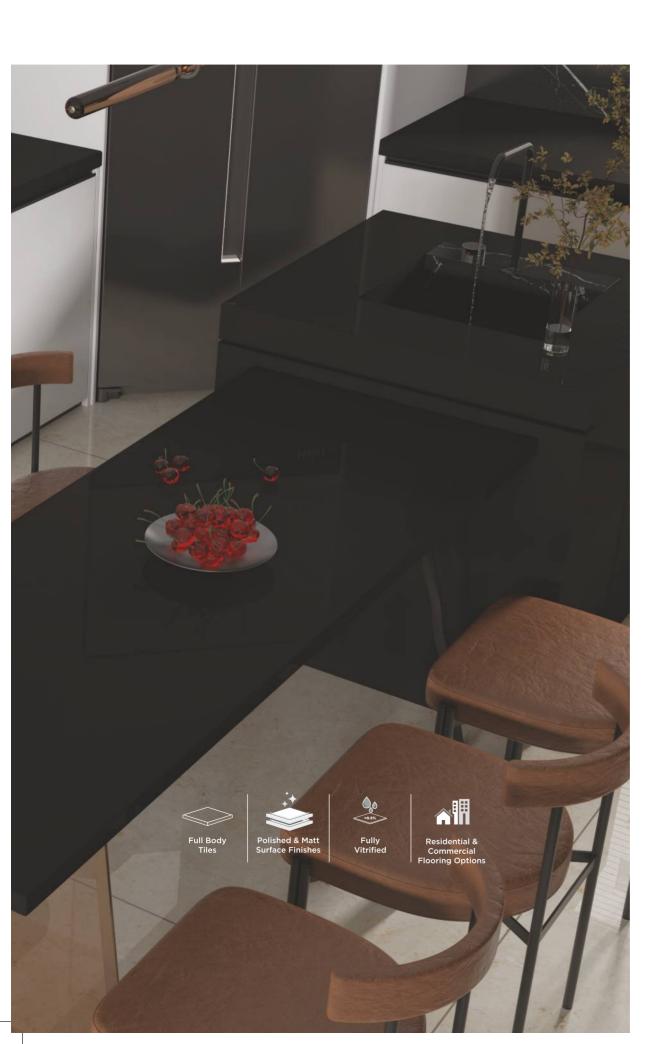
80x300 -BIG FORMAT	06	DOUBLE CHARGE	
80x240 -BIG FORMAT	14	60X120	76
120X180 -BIG FORMAT	28	80X80	94
		60X60	96
ELEGANCE HIGH END		OUTDOOR	
60X120	38		110
60X60	42	60X60	110
		40X40	116
SOLID SURFACE (10 MM)		SOLUBLE SALT	
60X120	46	60X60	122
60X60	50		
SOLID SURFACE		TECHNICAL SPECIFICATION	130
		PACKING DETAILS	134
60X120	56	111611111000000000000000000000000000000	
60X60	62	BRANCH & EC DETAILS	135
SOLID SURFACE (SMART)			
·	70		
60X60	70		
		•	

Colors shown are as accurate as the limitations of the printing process will allow. Prospective customers are advised to inspect a sample of the tile before ordering. Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to change the specifications without prior notice. Sometimes, variations in shade or size may occur which is inherent to the ceramic industry. Before fixing the tiles, we urge you to read and follow the fixing instructions given on the carton box of the tiles. The company will not take any responsibility and will not accept any complaints of shade, size or planarity once the tiles have been fixed.

Although every effort is made to ascertain that all the information provided in this brochure is accurate before printing, errors may still happen. Please contact the local branch office for updated information before placing orders. The information contained in this catalog is given in good faith. The Company takes no liability on account of any loss or damage either consequential or otherwise as a result of the information provided therein.





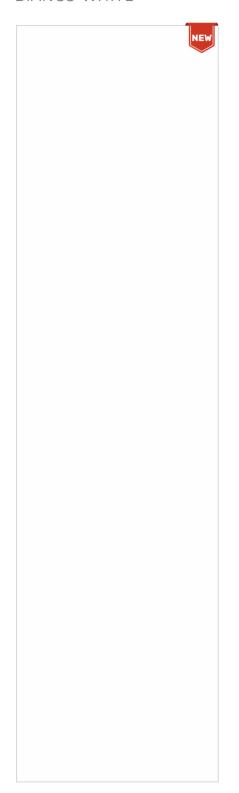


80 X 300 CM

BIANCO WHITE



ELEMENT BLACK























09 EBONY BLACK

ELEMENT WHITE



NERO BLACK



SUPER WHITE







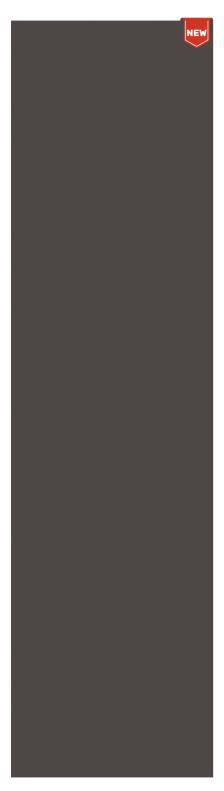








GRAPHITE GRIS (MATT)









POLISHED

(FB)

SPARKLE BARLEY



SPARKLE WHITE







SPARKLE CREMA



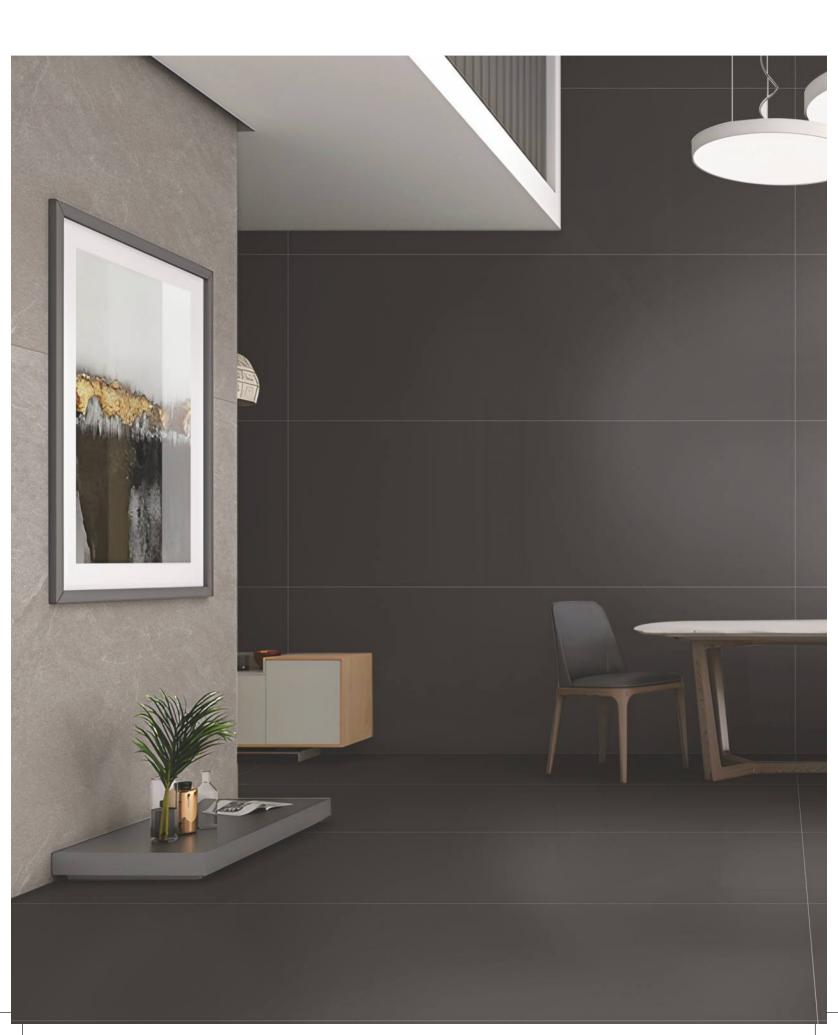




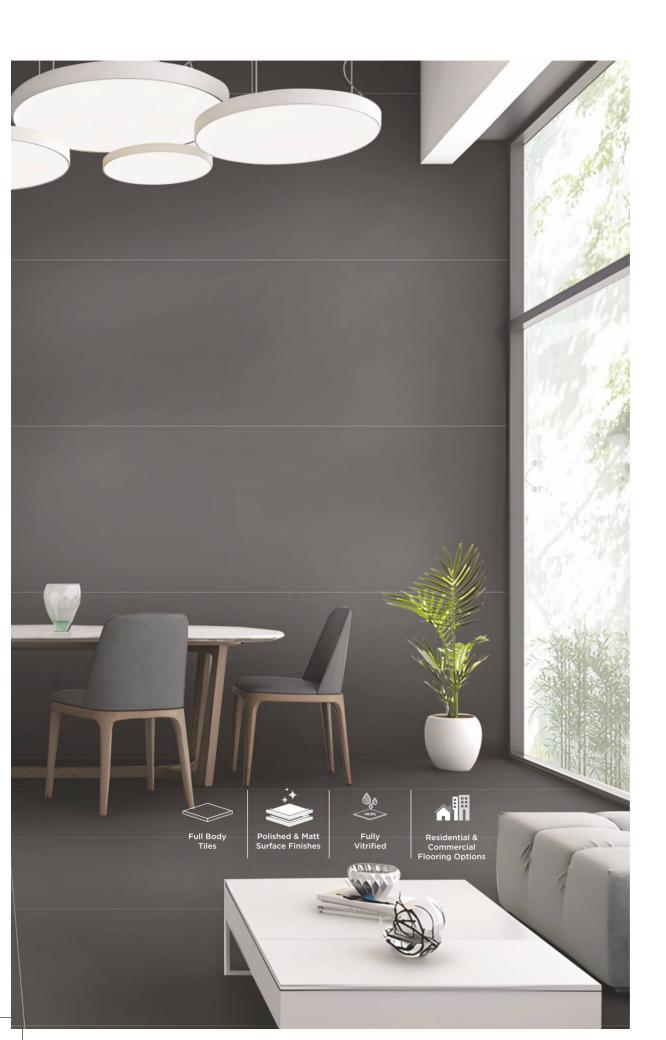




13 SPARKLE WHITE

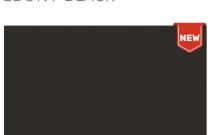






80 X 240 CM

EBONY BLACK



MONOLITH TERAZO WHITE



SPARKLE CHOCO









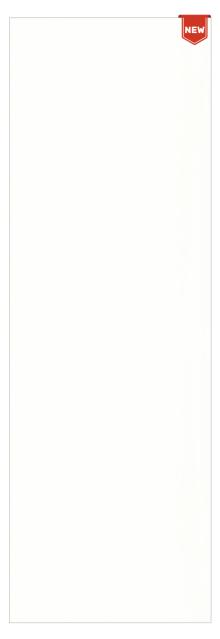








SUPER WHITE





GRAPHITE GRIS







POLISHED

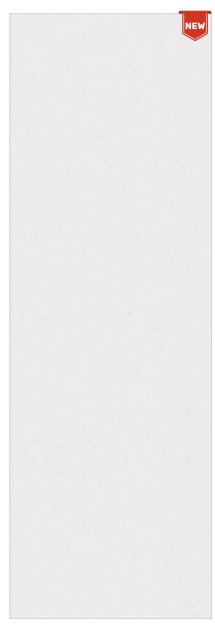
ELEMENT BLACK





Γ POLISHED

ELEMENT WHITE





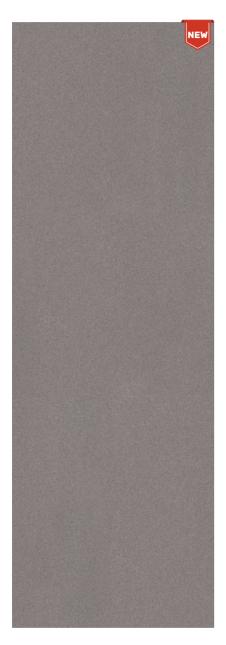




POLISHED



ROYAL GRIS









MATT

POLISHED

ROYAL IVORY





ROYAL MUSHROOM ROYAL VERDE















POLISHED



SPARKLE BARLEY







SPARKLE CREMA







SPARKLE WHITE







POLISHED

BIANCO WHITE



FUSION BLACK A





FUSION BLACK B













FUSION WHITE A



FUSION WHITE B



GREEN LAIDER F1*







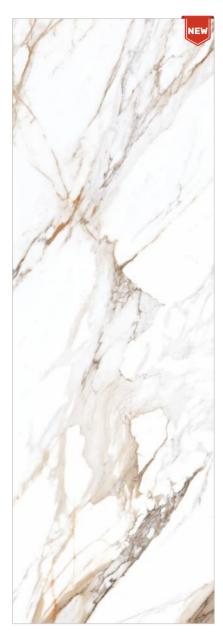






<u>23</u>

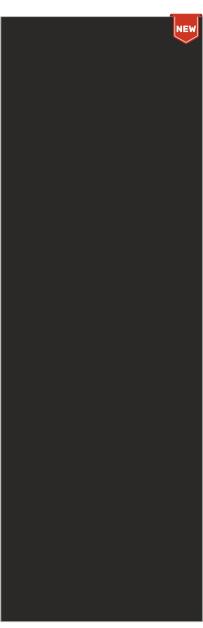
MARBLE CALCUTTA ORO*



MARBLE MARQUINA*



NERO BLACK













STATUARIO ICE*





MARBLE CALCUTTA NATURAL



MARBLE LILAC WHITE



36 Vie

TRAVERTINE CREMA





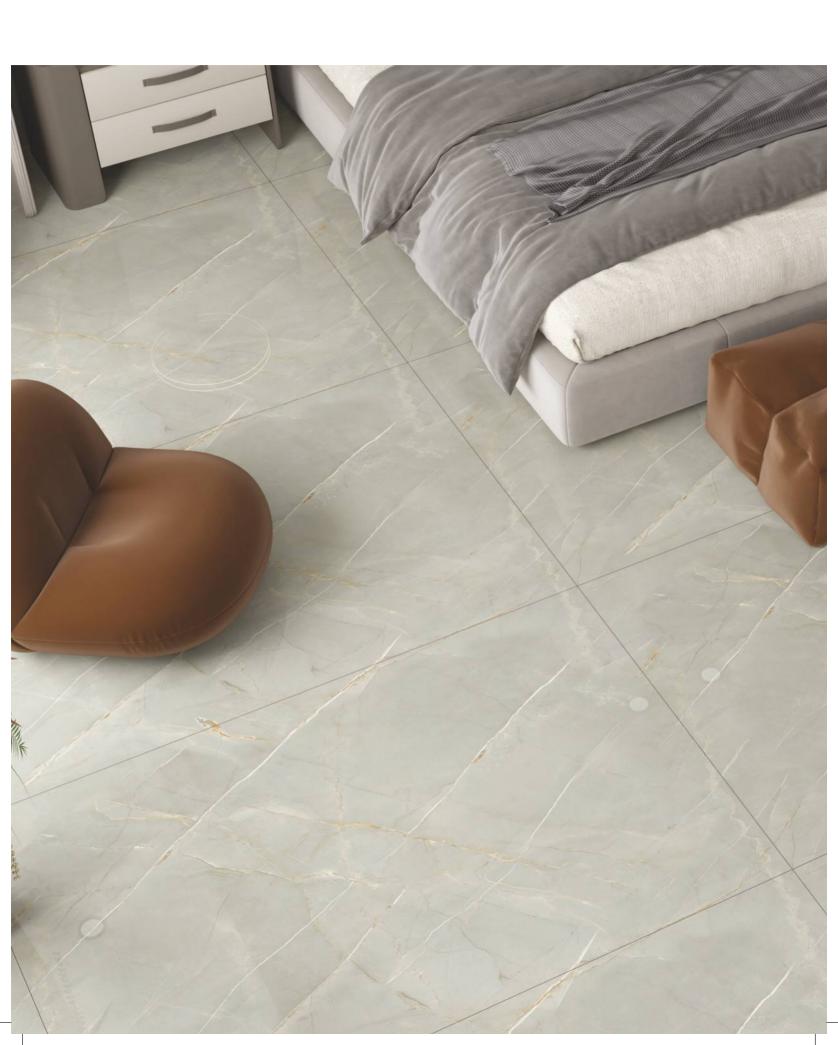






<u>27</u>

TRAVERTINE CREMA







120 X 180 CM

BLISS WHITE







CLOUDY CREMA









ICONIC GREY









ICONIC GREY

MAJESTIC WHITE







MIRAZE NATURALA









NOVA MARFIL







SMOKE WHITE







TOLSTOY IVORY







TRAVERTINO BEIGE









VENICE GREY





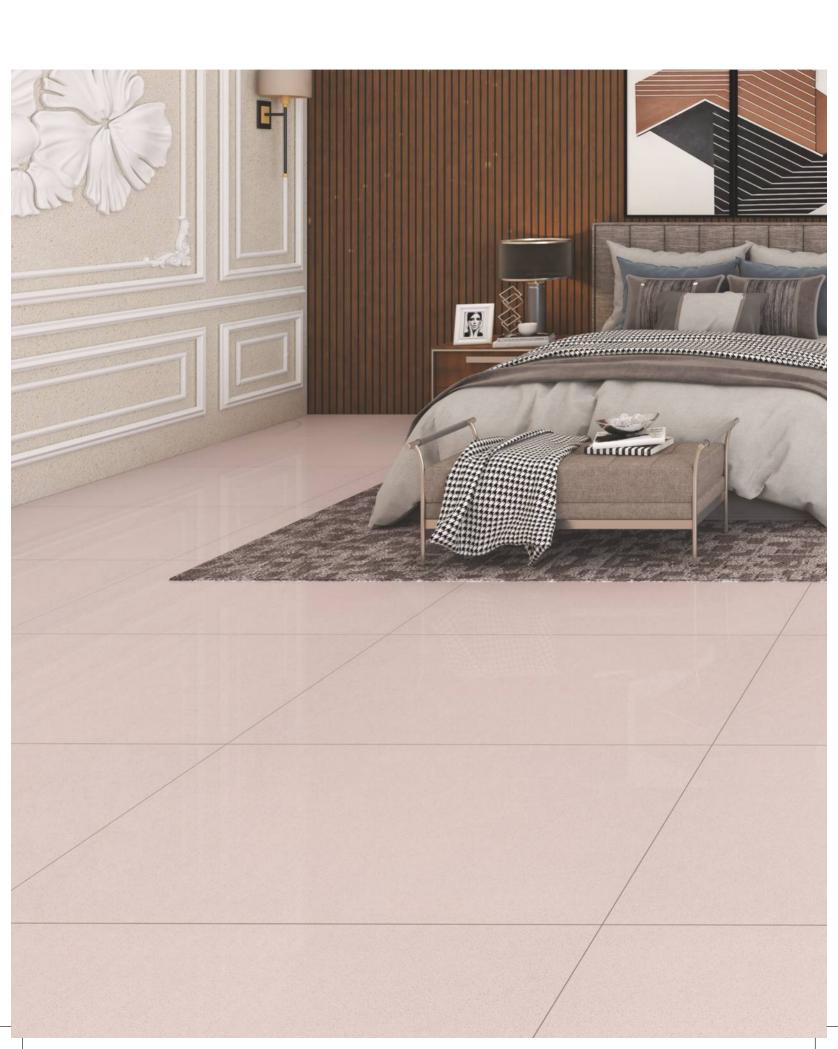


VIETNAM WHITE

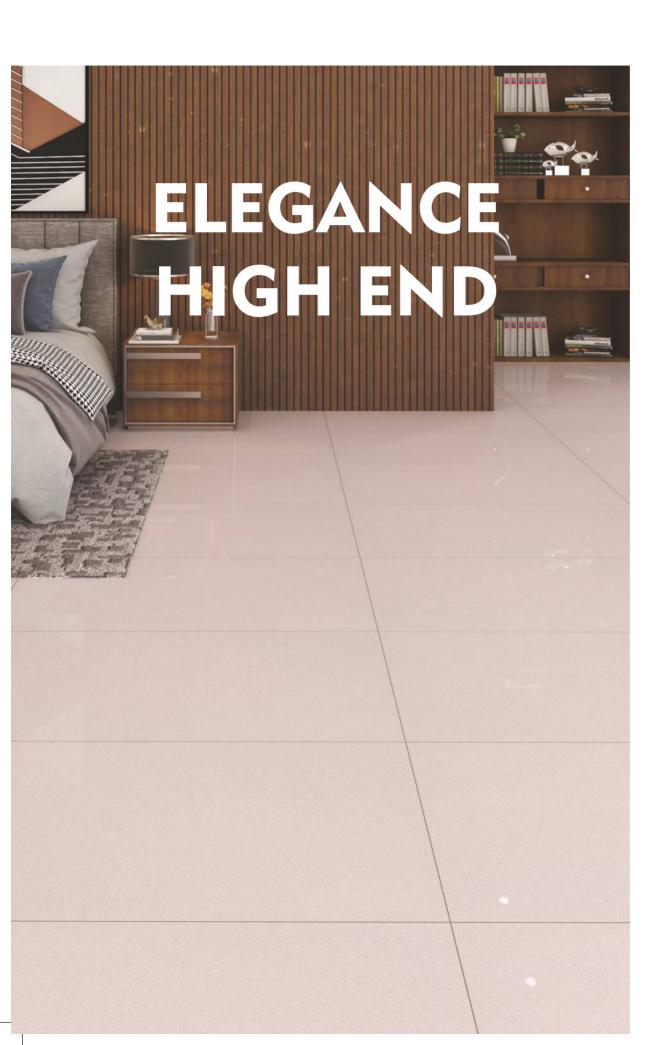












60 X 120 | 60 X 60 CM

POLISHED

ELEGANCE ALMOND







ELEGANCE FOSSIL







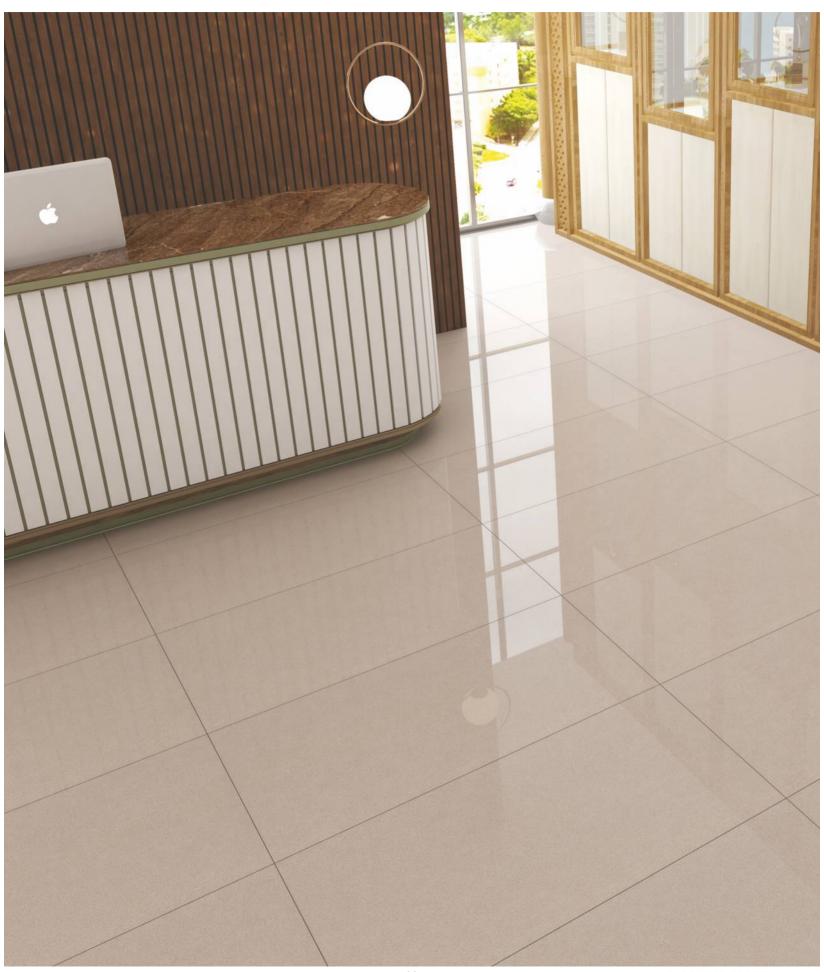
ELEGANCE LIGHT GREY











39

ELEGANCE FOSSIL

POLISHED

ELEGANCE HIGH END

ELEGANCE NERO







ELEGANCE PINK







ELEGANCE PISTA

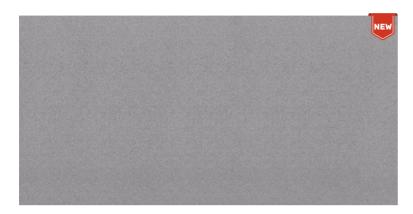








ELEGANCE STEEL GREY







ELEGANCE WHITE







ELEGANCE AQUA









ELEGANCE BIANCO











ELEGANCE COFFEE







ELEGANCE MUSHROOM









ELEGANCE BRICK









ELEGANCE NERO











ELEGANCE OLIVE



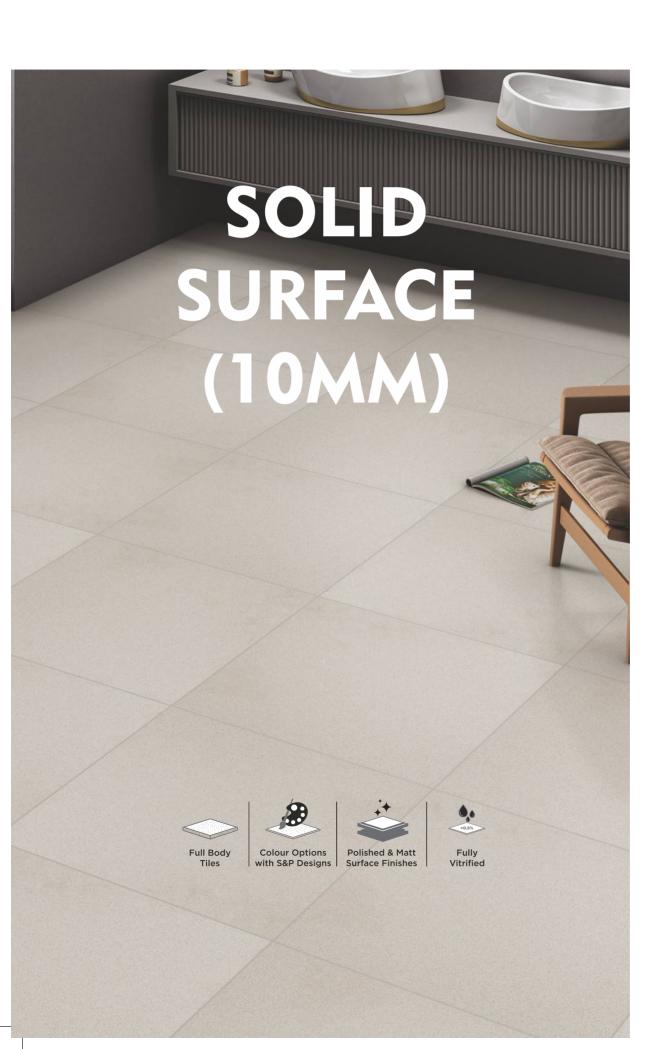












60 X 120 | 60 X 60 CM

60x120 CM MATT (10 MM) (FB)

LIGHT GREY







S&P BLACK







S&P CREMA







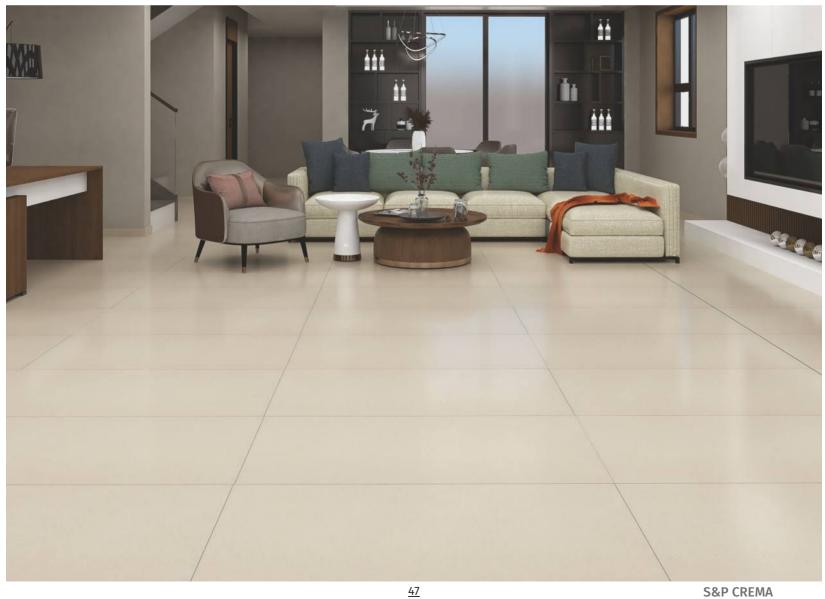


S&P IVORY









S&P PASTEL BROWN







S&P SILVER







S&P SNOW

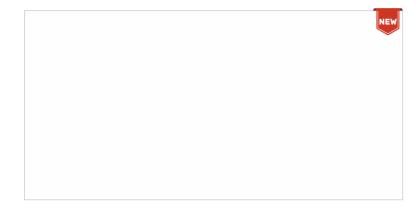








SUPER WHITE







VANTA BLACK







VERDE







60x60 CM MATT (10 MM) (FB)

LIGHT GREY







S&P BLACK







S&P CREMA







S&P FOSSIL







S&P IVORY







S&P PASTEL BROWN











51 S&P FOSSIL

60x60 CM MATT (10 MM) (FB)

S&P SILVER







S&P SNOW







VERDE



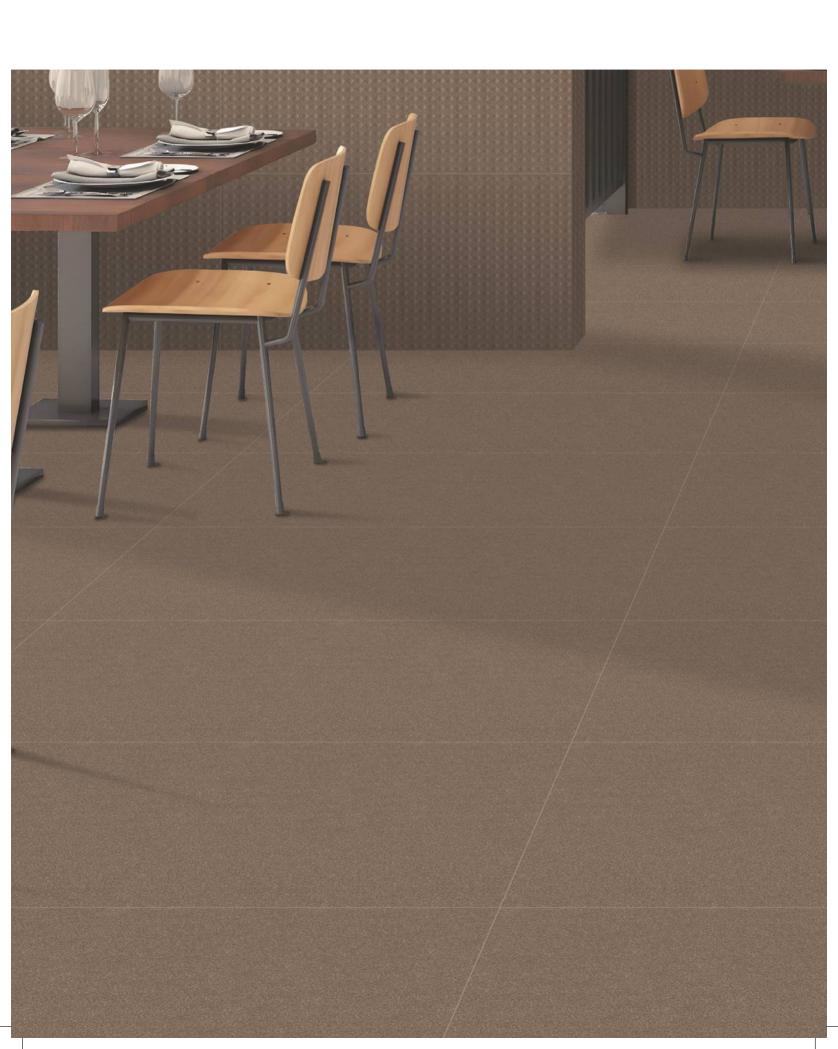








53 S&P SNOW







60 X 120 | 60 X 60 CM

60x120 CM MATT/POLISHED (FB)

S&P GREY (POLISHED) •







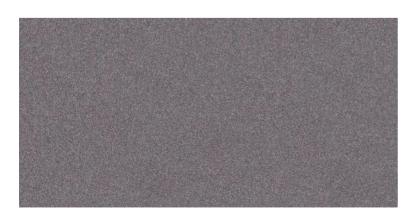
LIGHT GREY







S&P BLACK











60x120 CM MATT/POLISHED (FB)

S&P CREMA









S&P IVORY









S&P PASTEL BROWN









S&P SILVER









S&P SNOW







SPARKLE WHITE •



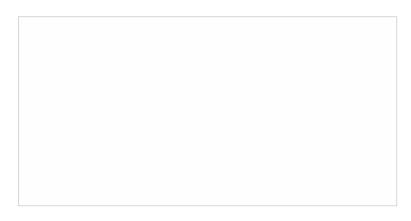


<u>59</u>



60x120 CM MATT/POLISHED (FB)

SUPER WHITE









VANTA BLACK







VERDE

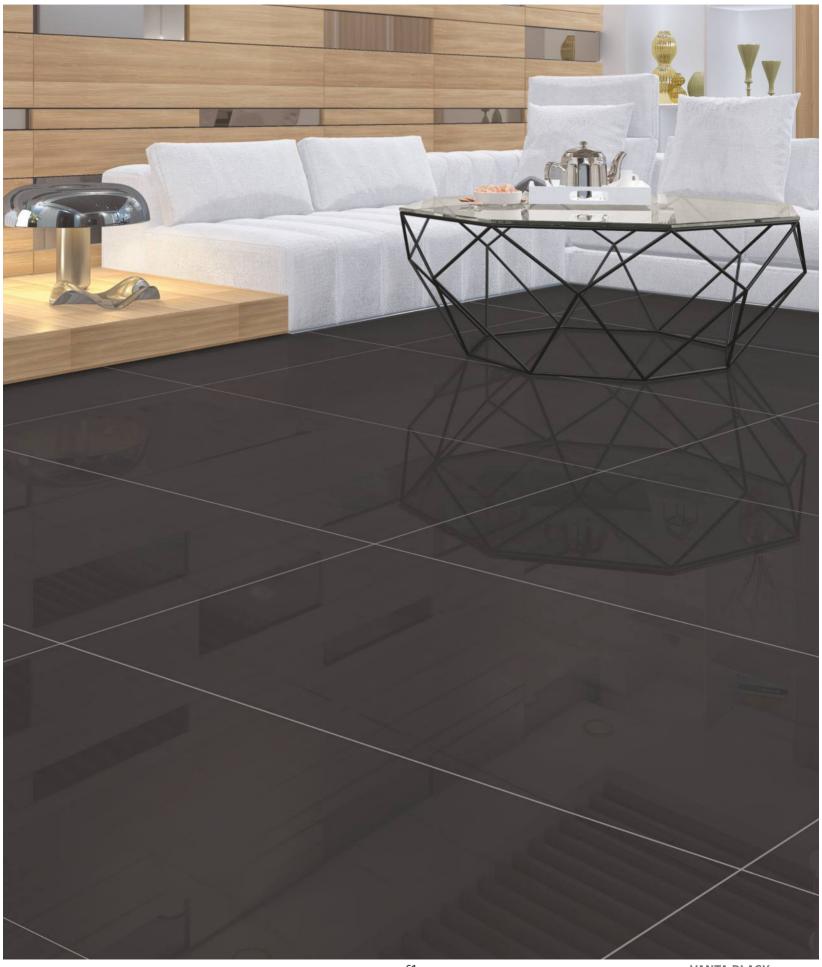












61 VANTA BLACK

60x60 CM POLISHED (FB)

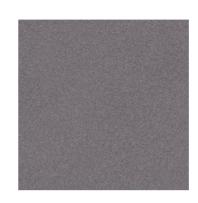
LIGHT GREY







S&P BLACK







S&P CREMA







S&P FOSSIL







S&P IVORY







S&P PASTEL BROWN











63 LIGHT GREY

60x60 CM POLISHED (FB)

S&P SILVER







S&P SNOW







VERDE









PLATINA S&P IVORY (MATT)







PLATINA S&P SPARKLE (MATT)







PLATINA S&P CREMA (MATT/POLISHED) PLATINA S&P WHITE (MATT/POLISHED)













60x60 CM RUSTIC

(FB)

PLAIN CREMA







PLAIN LT GREY







PLAIN VERDE







S & P FOSSIL







S & P NERO







S & P SNOW







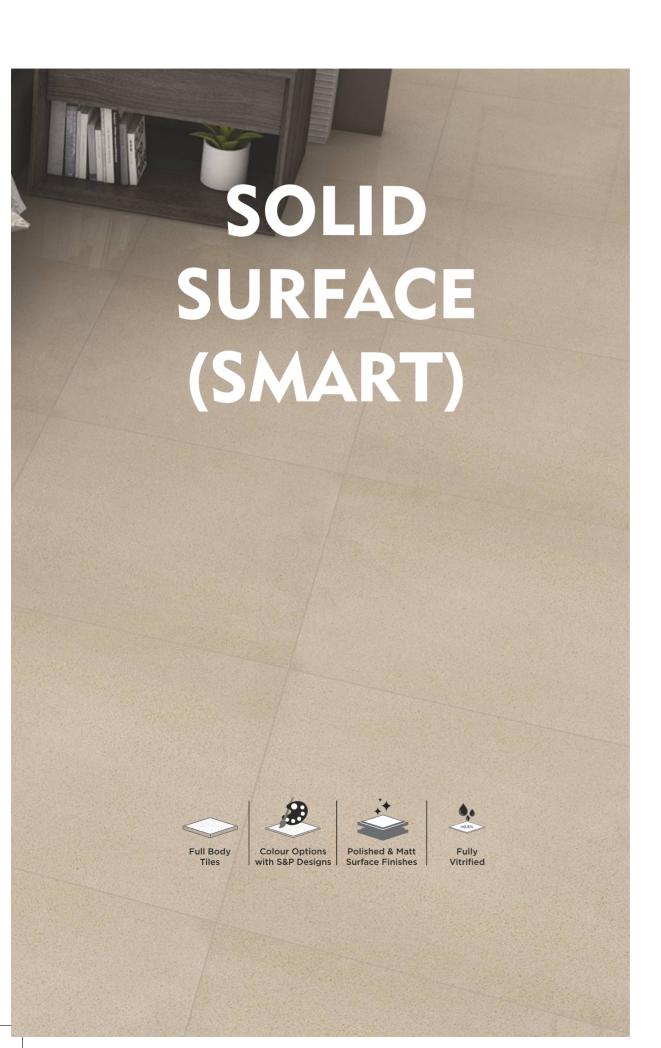




67 PLAIN LT GREY







60 X 60 CM

SOLID SURFACE (SMART)

60x60 CM POLISHED (FB)

PASTEL ALMOND







PASTEL BLACK







PASTEL BLUE







PASTEL BRONZE







PASTEL GREEN







S&P SNOW











71 PASTEL BRONZE

SOLID SURFACE (SMART)

60x60 CM POLISHED (FB)

S&P DARK GREY







S&P GREEN CHILLY







S&P LIGHT GREY







S&P RED CHILLY







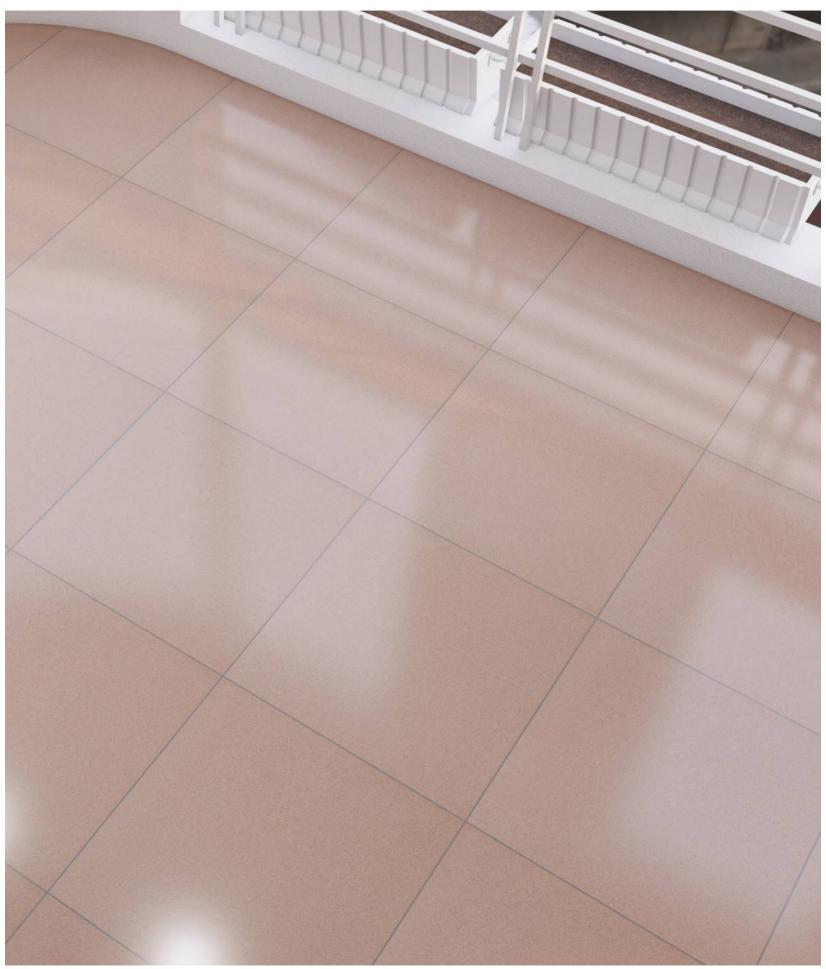
S&P SAND



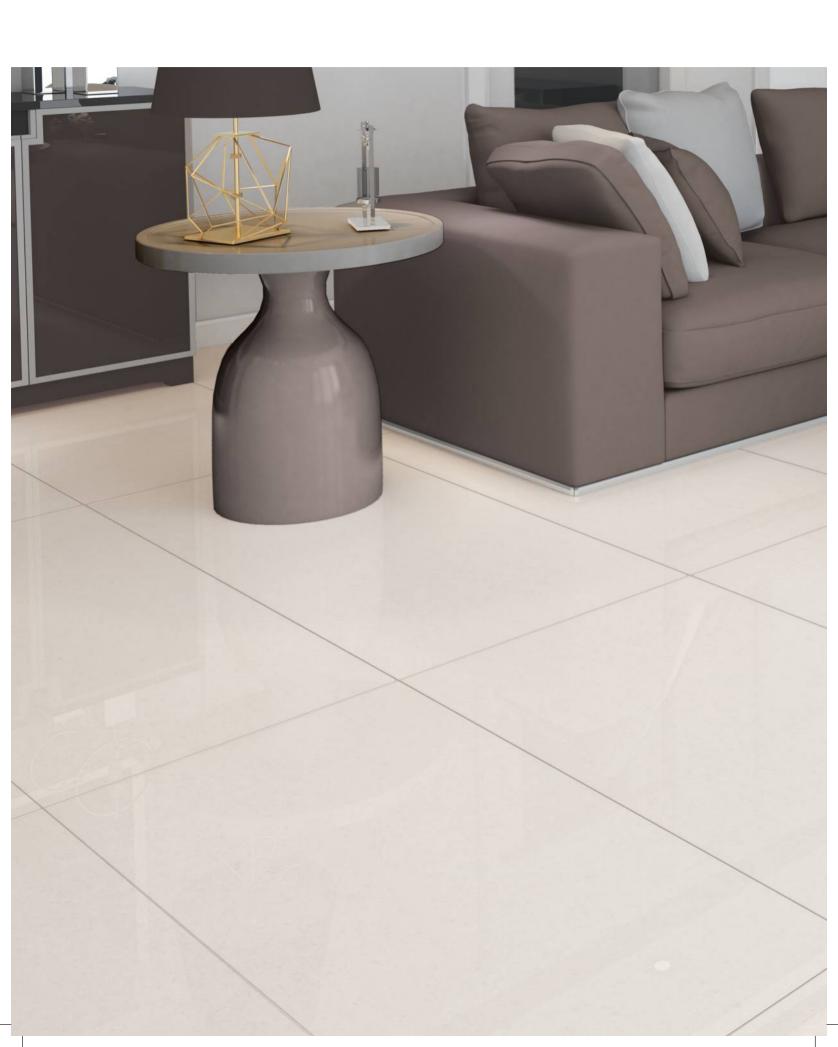




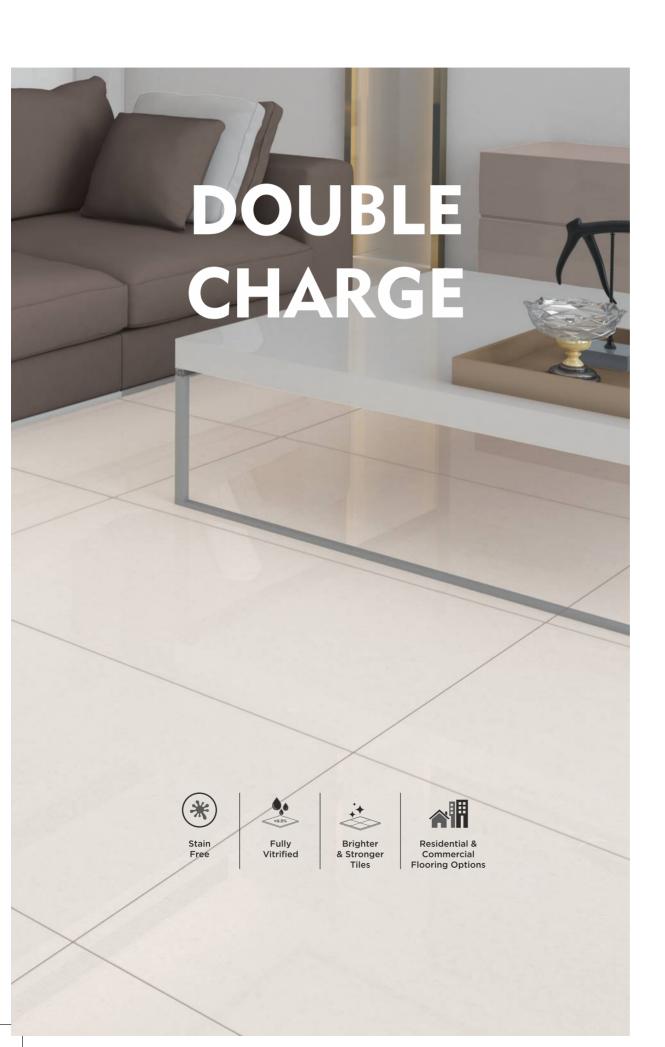




73 S&P RED CHILLY







60 X 120 | 80 X 80 | 60 X 60 CM

ALBIZA BEIGE







ALBIZA GREY







ALBIZA NATURA











77 ALBIZA BEIGE

ALBIZA NERO







ALBIZA ROSO







ALBIZA WHITE









ALMAZE BROWN







ALMAZE CREMA







ALMAZE SLATE







ALMAZE WHITE







ALTIS CREMA







ALTIS WHITE

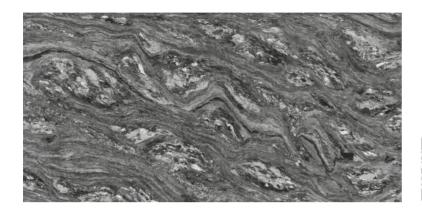








ALTIS BLACK







ALTIS NERO







ANGLO CARAMEL







POLISHED

DOUBLE CHARGE

ANGLO GOLD







ANGLO MINT







ANGLO WHITE









DRAGON AQUA







DRAGON CREMA







DRAGON ROSE







DRAGON WHITE







FLORAL BUTTERSCOTCH







FLORAL CREMA











FLORAL FOREST







FLORAL GREY







FLORAL WHITE









NERON SNOW







PERLIN AZUL







PERLIN BROWN •







● MTO <u>87</u>

PERLIN CREMA







PERLIN GOLD







PERLIN NERO •









PERLIN OLIVE •







PERLIN PINK







PERLIN SLATE







• MTO <u>89</u>

PERLIN WHITE







PRISM ALEXA WHITE







PRISM FLOW WHITE

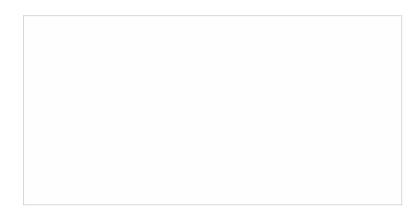








PRISM PLAIN WHITE







TORINO AQUA







TORINO ASH







TORINO BEIGE







TORINO BIANCO







TORINO MAPLE







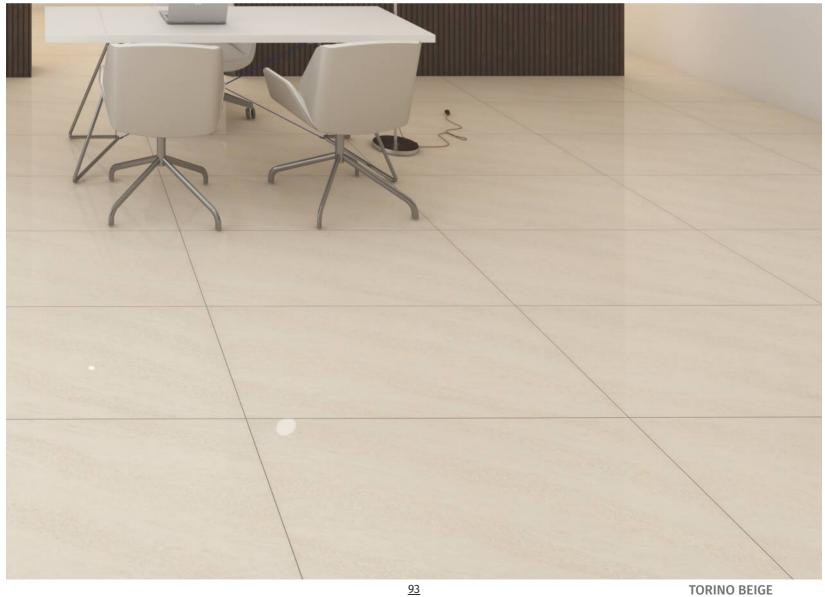


TORINO ROSE









80x80 CM

POLISHED

ALBANO LEMON •



ALBANO ROSSEL •







ALBANO WHITE





DRAGON WHITE







ELENTA SNOW ALLURE





360° View

PEARL WHITE •









SPIDER CREMA





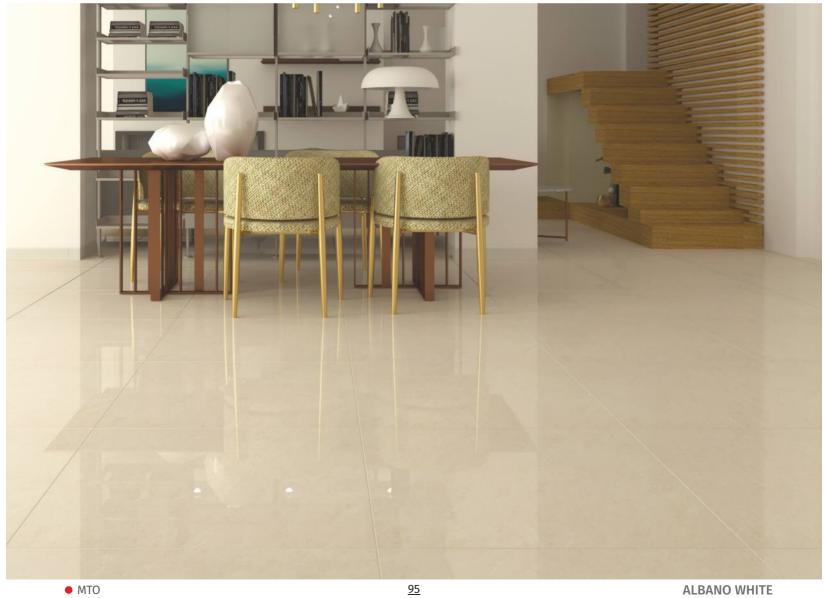


SPIDER WHITE









60x60 CM

POLISHED

ALBITO ALMOND







ALBITO BASIL







ALBITO BLACK







ALBITO COFFEE







ALBITO FOSSIL







ALBITO GARNET











97 ALBITO BASIL

ALBITO HAZEL •









ALBITO LATTE LT







ALBITO LEMON LT







ALBITO MIST LT







ALBITO NATURA LT







ALBITO NERO









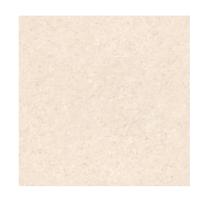
ALBITO PEACH LT •







ALBITO ROSSEL LT







ALBITO WHITE LT







ANGLO CARAMEL







ANGLO MINT







ARNAVA CREMA







• MTO <u>99</u>

60x60 CM

POLISHED

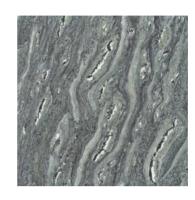
ARNAVA NERO







ARNAVA OLIVE







ARNAVA PINK







ARNAVA ROSSEL







ARNAVA VERDE







ARNAVA WHITE









ELENTA SERENITY SNOW







ELENTA SICILIA CREMA







FLORAL BUTTERSCOTCH







FLORAL CREMA







FLORAL FOREST







FLORAL GREY







FLORAL WHITE







GENNEY CREMA







GENNEY LAVA







GENNEY NERO







GENNEY PINK







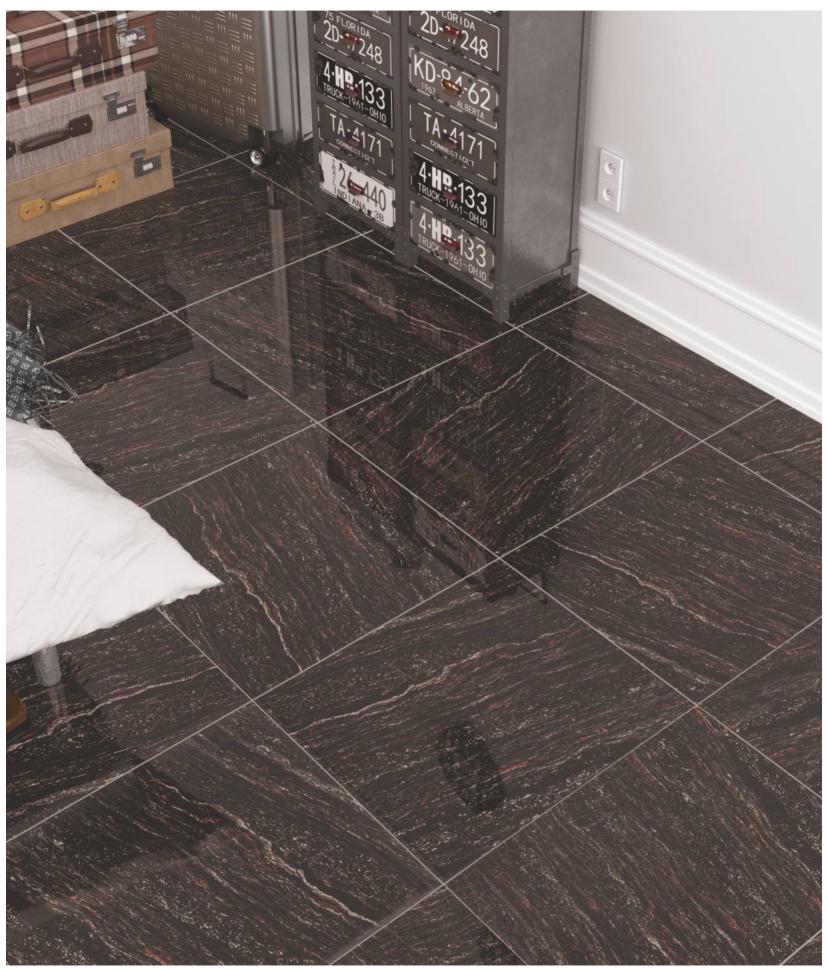
GENNEY SNOW











103 GENNY NERO

60x60 CM

POLISHED

GENNEY VERDE







NERON GOLD







NERON VERDE







PERLIN AZUL •







PERLIN BROWN







PERLIN CREMA •









PERLIN NERO







PERLIN OLIVE







PERLIN VERDE •







POLO GREEN







POLO GREY







POLO LEMON







• MTO <u>105</u>

POLO SLATE







PRISM ALEXA WHITE







PRISM FLOW WHITE







PRISM PLAIN WHITE







SICILIA WHITE







SNOW WHITE









UNIQUE CREMA







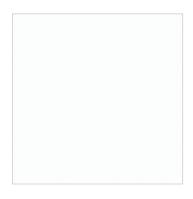
UNIQUE WHITE





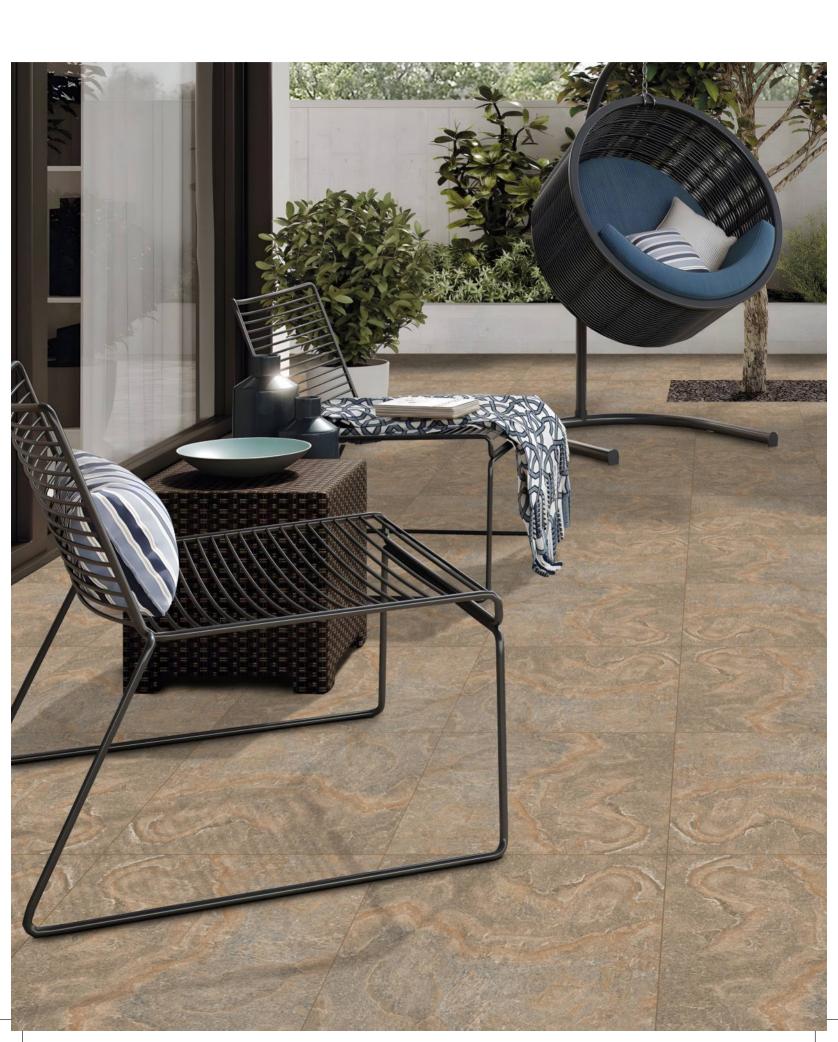


ANTARTIC WHITE (MW)

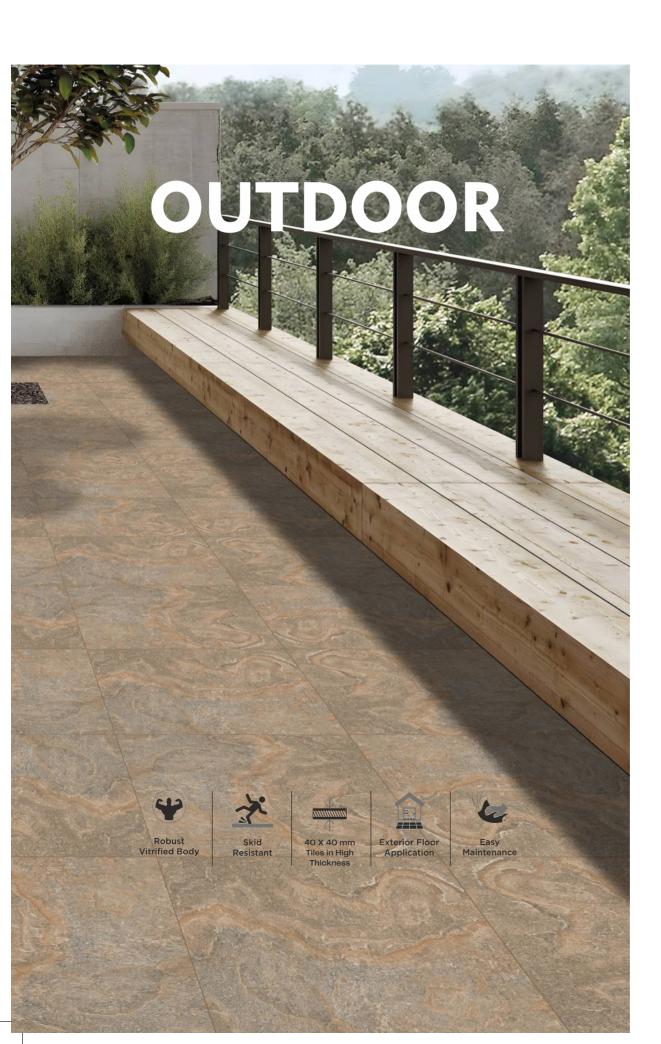












60 X 60 | 40 X 40 CM

60x60 CM

MATT

PARKING

BRICKS COTTO







BRICKS GREY







CUBICS BRONZE







METTALIC BRONZE







NATURAL BRICKS







NATURAL STONE BRICKS











111 CUBICS BRONZE

60x60 CM

MATT

PARKING

PROTON COTTO







PROTON COTTO HL







PROTON IVORY







SAND BEIGE







SAND COTTO







SAND CREMA









SAND GREY







SAND GRIS







SAND WHITE







SHELL GREY







SHELL NATURAL







SMOKE GREY







60x60 CM

MATT

PARKING

SMOKE GREY HL







SMOKE OFFWHITE







SMOKE OFFWHITE HL







TAURUS CREMA







TAURUS CREMA HL







TAURUS GRIS HL









TAURUS GRIS







TAURUS METTALIC







TAURUS METTALIC HL







URBANO COTTO







URBANO GREY







40x40 CM

MATT

(PARKING)

BALSA WOOD







CLASSICO BROWN*







CLASSICO COFFEE* •







CLASSICO GREY*







CLASSICO PEACH*







CLASSICO SILVER*







CROSS BLUE •







CROSS ICE









CROSS SMOKE





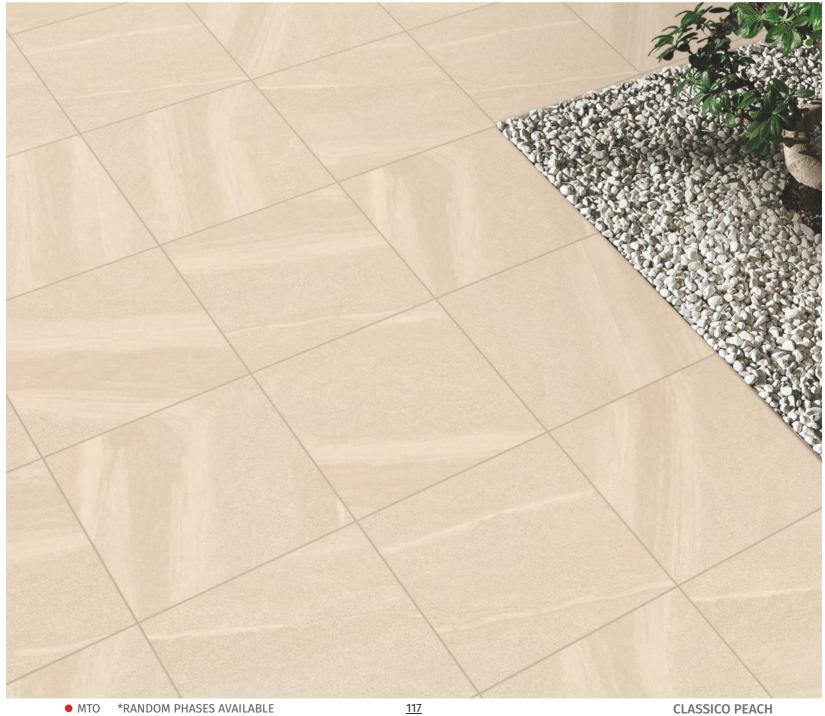


CUBICS GRASS









40x40 CM

MATT

(PARKING)

CUBICS GREY







CUBOID TOPE







GEO BEIGE







GEO GRIS







GEO PATTERN BROWN •







GEO PATTERN GREY







IMPERIAL BIEGE







IMPERIAL BLUE









LINEAR GREY







MATRIX ALMOND







MATRIX BEIGE







MATRIX BROWN







MATRIX GRAPHITE







MAZE BLUE







MOROCCON CUBICS LEAF







PEBBLES COFFEE







• MTO <u>119</u>

40x40 CM

MATT

(PARKING)

PEBBLES GRASS







PEBBLES NERO







PEBBLES NTATO







QUAD ALTIS







QUAD BIEGE •







ROCK BEIGE







ROCK CREMA •







RUG COTTO









RUG GREY







RUG SILVER







SAVIO LEAF GRIS







SAVIO LEAF PISTACHIO







STONE BROWN







STONE COTTO







STONE GREY







TERRAZO GRIS







• MTO <u>121</u>

ANDROMEDA







APRICENA







ASTORIA







AVEO







CLARA







CREMA ATHOS











123 CREMA ATHOS

DEKOVEN







ELENTRA







EMILIO







IVORY







ROSARIO







STYRA









TUSCANIA







VENEER







ANDROMEDA (TR) - MATT







IVORY (TR) - MATT



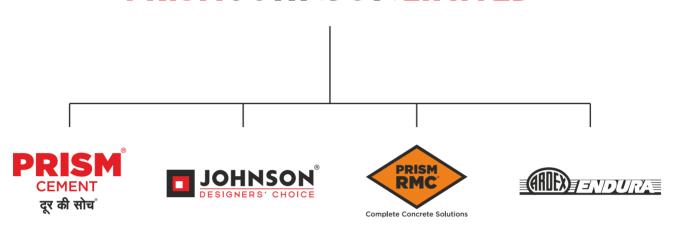




A journey from tiles to lifestyles - measured in square feet

H&R Johnson (India) is a division of Prism Johnson Limited, one of India's foremost Integrated Building Materials conglomerates.

PRISM JOHNSON LIMITED



Established in 1958, Johnson is one of the oldest and trusted brands in the country. Built on the strong and unswerving foundations of quality and innovation, this trust has only grown in these decades gone by; and continues to grow. Starting with tiles, the brand soon diversified into offering lifestyle solutions in the realms of Engineered Marble & Quartz and Bath Solutions. There by becoming India's most Integrated Lifestyle Solutions brand. Every product that comes bearing the H&R Johnson insignia is a symbol of the same quality and innovation focused on adding value to the lives of our consumers.

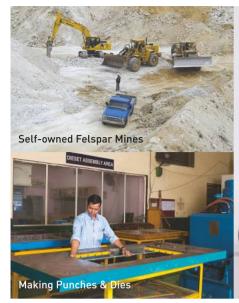
Pioneering Innovations, A Way of Life

At H&R Johnson the term innovation is at the heart of everything we do. That's why it is backed by credible research. Every product attempts to fill in a void left by conventional offerings in the category, in an innovative manner. It's this value we place on cutting-edge innovation that makes us strive for more and eventually deliver more. A quality and a way of working that has redefine consumer lifestyles and expectations.

- · Anti-skid & Water-repellent Tiles for Bathrooms
- · Rectified Wall Tiles
- · Johnson Marbonite Vitrified Wall and Floor Tiles
- Joint Free Tiles

- · Large Format Slabs
- · Digitally Printed Wall & Floor Tiles
- · Germ Free Tiles & Sanitaryware
- Exterior & Industrial Flooring Solutions

India's Most Integrated Tile Manufacturing Company





Being India's most trusted tiling brand requires that trust to be maintained in every stage of developing each and every product that bears the name of the brand. That's why at H&R Johnson, our Felspar Mines are Self-owned, the solublesalts and inks are manufactured in-house, and even the dies and punches are made in-house. All, so that every step in the process comes with the same quality and assurance, that you expect from us.



Manufacturing Excellence

Johnson has the most modern manufacturing units across strategic locations in India. Our manufacturing facilities employ the best technology from world leaders in tile manufacturing equipment. All our plants are ISO compliant with both 9001 and 14001 certifications as well as OHSAS 18001 certification.



Certifications















Johnson is India's largest tile manufacturer. It's commitment to quality, service and innovation is backed by certification from the world's leading accreditation bodies.

ISO 9001: 2015

For implementing a Quality Management System for the Manufacture and Supply of Ceramic Tiles.

ISO 45001: 2018

For implementing an Occupational Health & Safely Management System for the Manufacturing of Ceramic Tiles.

ISO 14001: 2015

For implementing an Environmental Management system for the Manufacturing of Ceramic Tiles

Certificate of Merit for Energy Conservation, Bureau of Energy Efficiency, Ministry of Power A Recognition for the efficient use of energy and its conservation.

Plant has received Safety award by National Safety Council

GreenPro is a product certification given by the Confederation of Indian Industry (CII) which signifies environmentally conscious life cycle of the production; certification for eco-friendly products that helps customers make an informed

choice towards sustainable products.

Griha

Griha council is a joint initiative of Ministry of New and Renewable Energy, GOI and The Energy and Resources Institute of implement Griha. India's national rating system for sustainable habitats

MARBONITE TILE FIXING INSTRUCTIONS

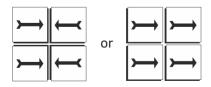
- 1. Plaster the surface of the floor where the tiles will be laid with smooth finish and complete the plastering and curing at least two weeks prior to laying.
- 2. Before fixing Marbonite tiles, lay them out in the desired pattern and make sure that they give an acceptable blend of shade, colour and design. Please note that certain amount of shade and size variation is inherent in the manufacture of vitrified ceramic tiles. Certain products will have intentional shade or colour variation to get the natural and elegant look, which is an integral element of the design resembling naturally created veins or shaded effect.
- 3. The company bears no responsibility towards the tiles exposed to any outside process like transfers, printing, firing
- 4. For fixing Marbonite, we recommend using an appropriate product from the range of tile fixing adhesives from the ARDEX ENDURA (INDIA) PVT. LTD. Please follow the adhesive manufacturer's recommendations and instructions for best results.
- 5. For fixing Marbonite tiles on the floor, using sand and cement, follow the instructions given below:
 - a) Use cement and sand mortar in the ratio of 1:4. Add some water to create a consistent paste.
 - b) Once the mixing has been completed do not add any further water and use the same within one hour.
 - c) Apply a 20-30 mm, layer of bedding material over an area of 1 square meter at a time on the surface of the area. Apply a fine slurry to the back of the tile to ensure proper and full bedding. Press gently for even adherence at the back of the tile.

DO NOT USE AN IRON HAMMER OR SOME HEAVY MATERIAL TO PRESS THE TILE.

- 6. For fixing Marbonite tiles on Wall / Dado, we recommend using an appropriate product from the range of tile fixing adhesives from the ARDEX ENDURA (INDIA) PVT. LTD. with proper troweling method for 100 per cent coverage behind the tiles and for peerless bonding. Please follow the adhesive manufacturer's recommendations and instructions for best results. We do not recommend the use of sand and cement for fixing on Dado.
- 7. Mark and lay out the tiles from the center of the area to be laid so that cut tiles, if any, will be on the outer edges towards the walls.
- 8. The work size which we try to maintain for better technical performance is 60 cm x 60 cm on average. It is advisable to maintain a gap of 1 mm to 2 mm between every tile to allow for possible expansion as per ISO tolerance norms.
- 9. Complete the laying process by pressing the cut Marbonite tiles firmly into place along the walls/floors.
- 10. Allow 3-4 days for bed curing. After this period fill the joints with cementitious or epoxy grouts from ARDEX ENDURA (INDIA) PVT. LTD. Use of grout sealant is recommended for keeping the grout free of dust.
- 11. Fifteen minutes after finishing the grouting process, wipe off excess grout with a damp sponge and polish the tiles with a soft and dry cloth for a clean surface. The tiles can also be cleaned with a mild acid (However, Hydrofluoric acid and its derivatives should not be used). You can also use tile & stone cleaners from ARDEX ENDURA (INDIA) PVT. LTD.
- 12. Please note that the company does not accept any liability in case of problems arising out of non-adherence to these fixing instructions.

13. THE COMPANY WILL BEAR NO RESPONSIBILITY AFTER THE TILES ARE FIXED.

14. Kindly look for an arrow (-) on the back of the tile and follow the laying pattern as shown in Pic-1:-



NOTHING IN THESE INSTRUCTION IS A SUBSTITUTE FOR GOOD WORKMANSHIP AND SUPERVISION

S. No	Property	ISO 13006:2018 / EN 14411 Group Bla Requirement	ndian Standard IS 15622:2017 Group Bla Requirement	JOHNSON MARBONITE (DC) Value	Test Method
	Dimensions & Surface Quality	Whichever is less	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±2.0mm	± 0.1 % ± 0.1%		ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Edge Curvature, Centre Curvature & Warpage)	± 0.4% or ±1.8mm	± 0.5 %	± 0.15%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%	Average ≤0.08%, Individual Max 0.1%	≤ 0.05%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	≥ 35 N/mm²	Average 35 N/mm², Individual 32N/mm², Min	≥ 38N/mm²	ISO 10545-4/ IS 13630-6
9	Breaking Strength	≥ 1300 N	Min1300 N	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 5	IS 13630 -13
12	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 ⁻⁶ K ⁻¹	≤ 6 x 10 ⁻⁶ K ⁻¹	ISO 10545-8/ IS 13630-4
13	Thermal Shock Resistance	report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
14	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
15	Coefficient of friction	-	Manufacturer to declare	≥0.3	ANSI A 326.3
16	Frost Resistance	report result	required if requested by purchaser		
17	Resistance to Deep Abrasion of Unglazed Tiles	≤ 175 mm³	Max 140 mm³	Max 140 mm³ ≤ 140mm³	
18	Bulk Density (g/cc)	-	2.2, Min	≥ 2.2	ISO 10545-3 / IS 13630-2
19	Color Resistance to UV light	report result	-	No change in color	DIN 51094
20	Chemical Property (cleansers except to cleansing agents containg Hydrofloric acids and its compounds)				
a	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min (BIS)	ISO 10545-14 / IS 13630-7
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Unglazed tiles	UB	report resistance class	UA	ISO 10545-13 / IS 13630-7
С	Resistance to acids and alkalis (Unglazed Tiles)	report resistance class	report resistance class	UA	ISO 10545-13 /IS 13630 -7

^{*} ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed



S. No	Property	ISO 13006 :2018 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla, Requirement	JOHNSON MARBONITE (FB) Value	Test Method
	Dimensions & Surface Quality	Whichever is less	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±2.0mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Edge Curvature, Centre Curvature & Warpage)	± 0.4% or ±1.8mm	± 0.5 %	± 0.15%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%	Average ≤0.08%, Individual Max 0.1%	≤ 0.05%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture ≥ 35 N/mm² Average 35 N/mm², Individual 32N/mm², Min		≥ 38N/mm²	ISO 10545-4/ IS 13630-6	
9	Breaking Strength	≥ 1300 N	Min1300 N	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 5	IS 13630 -13
12	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 ⁻⁶ K ⁻¹	≤ 6 x 10 ⁻⁶ K ⁻¹	ISO 10545-8/ IS 13630-4
13	Thermal Shock Resistance	report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
14	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
15	Coefficient of friction	-	Manufacturer to declare	≥0.3	ANSI A 326.3
16	Frost Resistance	report result	required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
17	Resistance to Deep Abrasion of Unglazed Tiles	≤ 175 mm³	Max 140 mm³	≤ 140mm³	ISO 10545- 6 / IS 13630-12
18	Bulk Density (g/cc)	-	2.2, Min	≥ 2.2	ISO 10545-3 / IS 13630-2
19	Color Resistance to UV light	report result	-	No change in color	DIN 51094
20	Chemical Property (cleansers except to cleansing agents containg Hydrofloric acids and its compounds)				
a	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min	ISO 10545-14 / IS 13630-7
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Unglazed tiles	UB	report resistance class	UA	ISO 10545-13 / IS 13630-7
С	Resistance to acids and alkalis (Unglazed Tiles)	report resistance class	report resistance class	UA	ISO 10545-13 /IS 13630 -7

^{*} ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed

S. No	Property	ISO 13006:2018 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla Requirement	Johnson Marbonite Value 15 mm	Test Method
Г	Dimensions & Surface Quality	whichever is less applicable. Rectified edge	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.5 %	± 0.2%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%, individual Max 0.6%	Avaerage ≤0.08%, Individual 0.1%, Max	≤ 0.08%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	dulus of Rupture Average 35 N/mm², Average 35 N/mm², Individual 32N/mm², Min Average 35 N/mm², Min ≥ 38N/mm²		≥ 38N/mm²	ISO 10545-4/ IS 13630-6
9	9 Breaking Strength 700 N Min for thickness < 7.5 mm, 1300 Min for thickness ≥ 7.5 mm		700 N Min for thickness < 7.5 mm, 1300 Min for thickness ≥ 7.5 mm	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 6 (Matt surface)	IS 13630 -13
12	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	Surface Abrasion of Glazed report abrasion class & Class II , Min Cycle passed Class II , Min		PEI III-V	ISO 10545-7 /IS 13630 -11
13	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 ⁻⁶ K ⁻¹	Max, 6 x 10 ⁻⁶ K ⁻¹	ISO 10545-8/ IS 13630-4
14	Thermal Shock Resistance	report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
15	Crazing Resistance of Glazed Tiles	report result	4 cycles @7.5 bar Min	No Damage	ISO 10545-11/ IS 13630-9
16	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
17	Coefficient of friction	-	Manufacturer to declare	≥0.4	ANSI A 326.3
18	Frost Resistance	report result	required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
19	Bulk Density (g/cc)	-	2.2, Min	≥ 2.2	ASTM C373-16 / IS 13630-2
20	Color Resistance to UV light	report result	-	No change in color	DIN 51094
21	Chemical Property (cleansers except to clear	nsing agents containg Hydrofloric	acids and its compounds)		
a	Resistance to Staining - Glazed Tiles	Min class 3	Class I, Min	Class 1 (IS)/ Class 3 (ISO)	ISO 10545-14 / IS 13630-8
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Glazed tiles	GB	AA min	GA/AA	ISO 10545-13 / IS 13630-8
С	Resistance to acids and alkalis (Glazed Tiles)	report resistance class	report resistance class	GA	ISO 10545-13 /IS 13630 -8
22	Lead & Cadmium Release- for Glazed Tiles, where required	report value	-	Nil	ISO 10545-15

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S. No	Test Description	ISO 13006:2018 / EN 14411 Group Bla Requirement	IS - 15622:2017 Group Blb	Johnson Marbonite Outdoor	Test Method
A)	Dimension Quality	whichever is less applicable. Rectified	Rectified		
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.1 %	± 0.1%	
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%	
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.5 %	±0.3%	
6	Surface Quality	Min 95% free from visible defects from 1 meter distance under 300 lux light	Min 95% free from visible defects from 1 meter distance under 300 lux light	Min 95% free from visible defects from 1 meter distance under 300 lux light	
B)	Physical Property				
1	Water Absorption	≤ 0.5%, individual Max 0.6%	0.08% <e≤3, Individual 3.3 max</e≤3, 	≤ 0.5%	ISO 10545-3 / IS 13630- 2
2	Scratch hardness of surface (Moh's scale)	-	≥5	≥6	IS 13630 part 13
3	Flexural Strength (Average MOR)	≥ 35 N/mm², Individual 32N/mm², Min	≥30N/mm² , Individual 27 min	≥35N/mm²	ISO 10545-4 / IS 13630-6
4	Breaking Strength	≥ 1300 N	≥1100N	≥ 1500 N	ISO 10545-4 / IS 13630-6
5	Impact Resistance	report value	≥ 0.55	≥ 0.55	ISO 10545-5 / IS 13630-14
6	Crazing Resistance	Report cycle	4 cycle	No damage	ISO 10545-11 / IS 13630- 9
7	Surface Abrasion Resistance (PEI Rating)	Report abrasion class	Class II, Min	Min PEI III - IV	ISO 10545-7 / IS 13630 - 11
8	Coefficient of friction	-	Manufacturer to declare	≥ 0.4	ANSI A 326.3
9	Bulk Density, in (g/cc)	-	≥ 2.0	> 2.2	ASTM C373-16 / IS 13630-2
10	Moisture expansion	Manufacturer to declare	Max 0.02 mm/m	≤ 0.02 mm/m	IS 13630-part 3 / ISO 10545-10
11	Frost Resistance	Manufacturer to declare	Manufacturer to declare	No Damage	ISO 10545-12 / IS 13630-10
12	Color Resistance to UV light	report result	report result	No change in color	DIN 51094
C)	Chemical Properties				
1	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min	
	1) Resistance to Low concentrations of acids & alkalies	report resistance class	report resistance class	GLA/AA	
	2) Resistance to High concentrations of acids & alkalies	report resistance class	report resistance class	GHA/AA	ISO 10545-13 / IS 13630-8
	3) Resistance to household chemicals and swimming pool salts	GB min	AA min	GB(ISO)/AA(BIS)	
2	Stain resistance	nce Min class 3		Class 1 (IS)/ Class 3 (ISO)	ISO 10545-14 / IS 13630-8
D)	Thermal Properties				
1	Linear Thermal Expansion	Report value	≤7 x 10 ⁻⁶ K ⁻¹	≤7 x 10 ⁻⁶ K ⁻¹	ISO 10545-8/ IS 13630-4
2	Thermal shock resistance	-	10 Cycle, Min	10 Cycle, Min	ISO 10545-9 / IS 13630 -5

[#] Ramp Test: Suitable for all kind of surfaces (Plain, structural..etc)
Slider (BOT -3000E Digital Tribometer): suitable for plain / smooth surface and not working for structural / profiled surface

PACKING DETAILS _

Product	Sizes	Finishes	No of Tiles/Box	Approx Area/Box (sq m)	Approx Weight/Box (kgs)	Approx Cartons/ 20' Container	Approx Area per Container (sq m)
80X300 - 15mm	80X300	FB	1	2.4	84	321	770
80X240 - 15mm	80X240	FB & DSB	1	1.92	67.5	400	768
120X180 - 15mm	120X180	FB	1	2.16	77	350	756
60x120 Solid Surface	60x120	FB Polished	2	1.44	26	1038	1495
		FB Matt	2	1.44	29.5	915	1318
60X120 FB - 10mm	60x120	Matt	2	1.44	31	870	1253
60X120	60x120	DC Polished	2	1.44	25	1080	1555
60x120 - Elegance Series	60x120	Elegance High End	2	1.44	26	1038	1495
80x80 Elite	80x80	DC Polished	3	1.92	36	750	1440
60x60 Solid Surface	60x60	FB Polished	4	1.44	25	1080	1555
		FB Matt	4	1.44	30	900	1296
60x60 Elite	60x60	DC Polished	4	1.44	25.5	1058	1524
60X60 FB - 10mm	60x60	Matt	4	1.44	31	870	1253
60X60 FB	60x60	Rustic	4	1.44	27.5	981	1413
60X60 -12mm - Parking	60x60	Matt	3	1.08	27.5	981	1059
60x60 -Elegance Series	60x60	Polished	4	1.44	25	1080	1555
		Matt	4	1.44	25	1080	1555
60x60 - Smart Series	60x60	Polished	4	1.44	25.5	1058	1524
		Matt	4	1.44	26	1038	1495
400X400	40x40	Matt	5	0.80	18	1500	1200
60X60 SS	60x60	Polished	4	1.44	23.5	1148	1653
60X60 TR	60x60	Matt	4	1.44	24.5	1102	1587



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	Kolkata	033-46021880
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East	Siliguri	9836065812
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	Ranchi	6202065659
	Mumbai	022-40647500
	Thane	022-25867600 / 666
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West	Aurangabad	8669600748
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	Indore	0731-4007441
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North	Chandigarh	0172-4697100
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Region	Branch	Tel.:
	Jaipur	0141-2368329
AL III	Lucknow	0522-2721699
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	Vijayawada	9666429666
	Vishakhapatnam	0891-2796376
	Tirupati	9121228960
6 4	Kochi	0484-4871277
South	Kozhikode	0422-4382698
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	Chennai	044-28544116 / 28541881
	Coimbatore	0422-4382698
	Madurai	0452-4355584 / 4355594
	Trichy	9486718544

EXPERIENCE CENTERS _____

Location	Address	Tel.:
Kolkatta	HOUSE OF JOHNSON - 83 JBS Haldane Avenue, TOPSIA Trinity towers Kolkata - 700046	033-46021880
Guwahati	HOUSE OF JOHNSON - 1st Floor, Above Royal Riders Honda, Near Rahul Kata, Pub Bragaon, Garchuk, Guwahati - 781035	7575900492
Bhubaneshwar	HOUSE OF JOHNSON - Ray Tower, 1st Floor, N4/237, Indradhanu market, IRC Village, Nayapalli, Bhubaneshwar, Orissa - 751015	0674 6539836/37/2430240
Patna	HOUSE OF JOHNSON – SK Builders and colonizer Pvt.Ltd.,1st Floor, SK Palace, Saguna more, Bihar – 801503.	9702651243
Chandigarh	HOUSE OF JOHNSON - SCO 214, sector14, Panchkula, Haryana - 134109	0172-4637724
Delhi	HOUSE OF JOHNSON - First & Mezzanine Floor, B-1/G-3, Mohan Industrial Estate, Mathura Road, New Delhi - 110094.	11-49526600
Lucknow	HOUSE OF JOHNSON - 1st Floor, Prithvi Ratan Height, Plot No CP-4, Vijayant khand - 3, Gomtinagar Yojna, Lucknow - 226028	0522-2721699
Varanasi	HOUSE OF JOHNSON - Ashakunj, 1st floor, D59/103 D4, Opp Siddharth Complex, Sigra Mehmoorganj Road, Varanasi - 221010	0542-2222620
Aurangabad	House Of Johnson Aurangabad - Gut No 16/44, NH-211, Near Balapur Phata, Near Ramkisan Lawns, Beed Bypass Road Aurangabad 431005	8669600748
Pune	HOUSE OF JOHNSON - Sable House, Poona Snuff Factory, Sr. No 11A, Plot 408/4/5, Satara Road, Gultekadi, Pune - 411037	7350009364
Thane	HOUSE OF JOHNSON - Shop No.5, Gr.Floor, Cosmos Jewels, Near Dmart, Anand Nagar, Ghodbunder Road, Thane West - 400615	8424003247
Mumbai - Andheri	HOUSE OF JOHNSON - 1st flr, Bonanza, Sahar Plaza, Nr Hotel Kohinoor continental, J B Nagar, Andheri Kurla Road, Andheri East, Mumbai - 400059	8108030975
Ahmedabad	HOUSE OF JOHNSON - F 106-107, Shivalik Plaza, IIM Road, Panjrapole Cross Road, Ahmedabad, Gujarat - 380015	079-48480010
Indore	HOUSE OF JOHNSON - Shop No 5, 6, 7 and 8, Upper Ground Floor, Exotica, Shalimar Township, Village Niranjanpur, A. B. Road, Indore, Madhya Pradesh - 452001	0731-4007441
Raipur	HOUSE OF JOHNSON - 2nd Floor, MM Silver Plaza, Opp Udyog Bhawan, Ring Road - 1, Raipur, Chattisgarh - 492001	771-4919129
Coimbatore	HOUSE OF JOHNSON - Elysium Towers, Park Gate Rd, No. 21, ATT Colony, Gopalapuram, Coimbatore - 641018	0422-4382698
Chennai	HOUSE OF JOHNSON - 82, 84 & 86 Bascon Maeru, 1st floor, Kodambakkam High Road, Nungambakkam, Chennai - 600034	044-48611632
Kochi	HOUSE OF JOHNSON - Door no. 11/300 f, Next to VTJ Hyundai, NH 47 Kundanoor, Maradu, Kochi, Ernakulam - 682304	0484-4871277
Kozhikode	HOUSE OF JOHNSON - Tilal Tower, Near Nexa Showroom, Kudilthod, Malaparamba bypass, Kozikode, Kerala - 673017	0495-2357505
Thiruvananthapuram	HOUSE OF JOHNSON -1st Floor, Sreedhanya Apex, TC 22/3720 (4) Vellayambalam, Sasthamangalam PO, Thiruvananthapuram, Kerala - 695010	0471-2720141
Bengalure	HOUSE OF JOHNSON - No.39, Rajaram Mohan Roy Road , Opp. Kanteerava indoor Stadium, Bengalure - 560027	080-22234310/080-22234330
Bengalure	HOUSE OF JOHNSON - Dodda Banaswadi, Opp. New Baldwin Residential School, Bengalure-560043	080-41692976 / 41692060
Hyderabad	HOUSE OF JOHNSON - SP Jubilee Crown (3rd Floor) Plot - 1270, Road No.36, Jubilee Hills, Hyderabad – 500033	8897525143

For address and contact numbers of our Johnson Exclusive Showrooms and Authorized Retailers, please visit our website www.hrjindia.com



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For Export Enquires, Email:

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