



VITRO

SOMANY
Tiles | Bathware

ZAMEEN SE JUDEY



SOMANY

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Toll Free No. 1800-103-0004 (Timing-10:00am to 6:30pm; Mon-Fri)



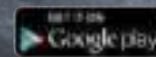
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FOR ALL INDIA
PVT / CAT / APRIL 2020

UNIT-3

1000x1000mm | 800x1600mm | 600x1200mm
800x800mm | 600x600mm | 605x605mm



NANO EDGE



ULTRA
CHARGE
TECHNOLOGY

Powered by
TWIN
CHARGE
PRINT TECHNOLOGY

VERVE
BY SOMANY GROUP

*Soluble
Salt*

Creating the Nano edge

Somany Tiles has pioneered the use of cutting edge Nano-technology in the tiles industry. The usage of this innovative technology has allowed us to offer which have both high gloss lustre which is close to mirror effect and hardness almost equivalent to granite. Environment friendly nano polished tiles provide antibacterial properties which results in lesser need of cleaning solvents to maintain the shine for years to come.

04 | 1000x1000mm
ULTRA CHARGE

70 | 600x600mm
ULTRA CHARGE

14 | 800x1600mm
ULTRA CHARGE

88 | 600x600mm
TWIN CHARGE & VERVE

26 | 600x1200mm
ULTRA CHARGE, FULL BODY

96 | 605x605mm
SOLUBLE SALT

46 | 800x800mm
ULTRA CHARGE & FULL BODY

SOMANY[®]
VITRO

ULTRA
CHARGE
TECHNOLOGY

1000X
1000MM

Now nothing can stop you to think big and eventually make it a reality. Presenting a super luxurious range made to make every space look grand and opulent. Packed with ultra-charge technology, each design of the collection imparts shine both on your space and project.



NANO
TECH



ANTI
STAIN



HIGHLY
DURABLE

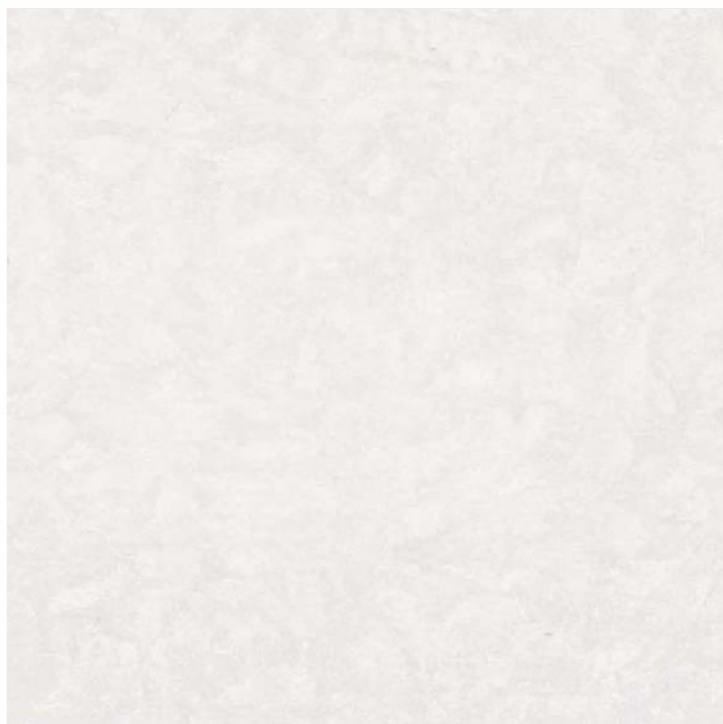


ECO
FRIENDLY



GLOSS
FINISH





ARDOR MOON

Random Pattern



ARDOR PLUTO

Random Pattern



ARDOR EARTH

Random Pattern

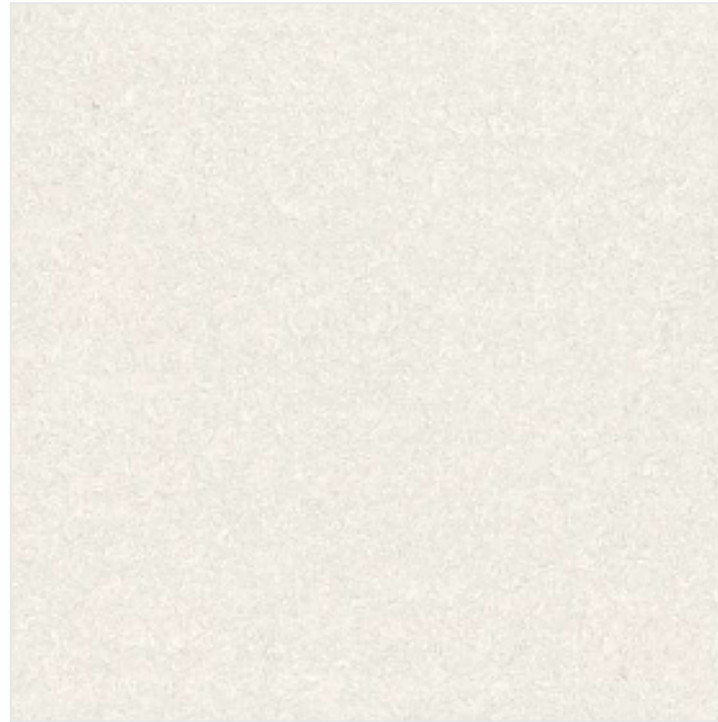


ARIOSO WHITE

Random Pattern

1000 X 1000 MM

1000 X 1000 MM



BUONA BIANCO

Random Pattern



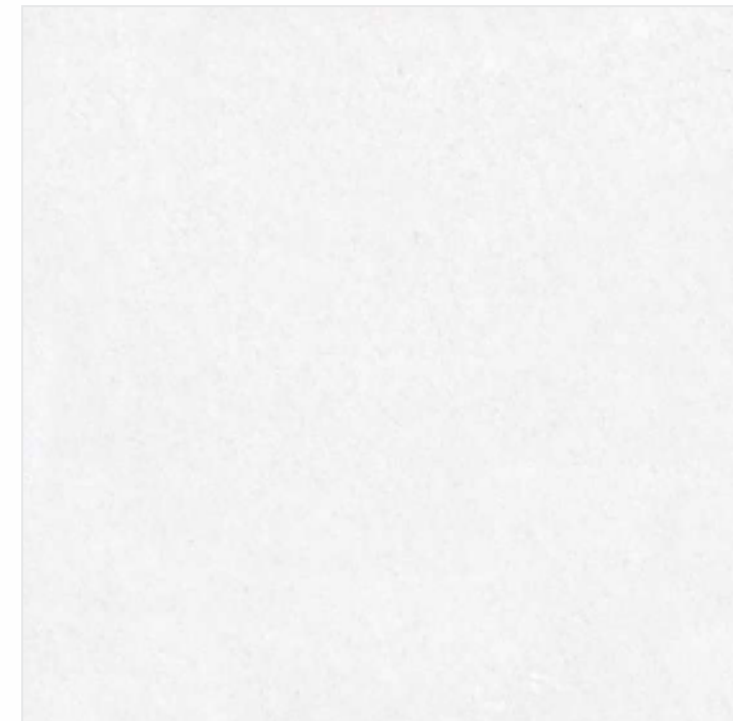
PERSONA SNOW

Random Pattern



PERSONA PEARL

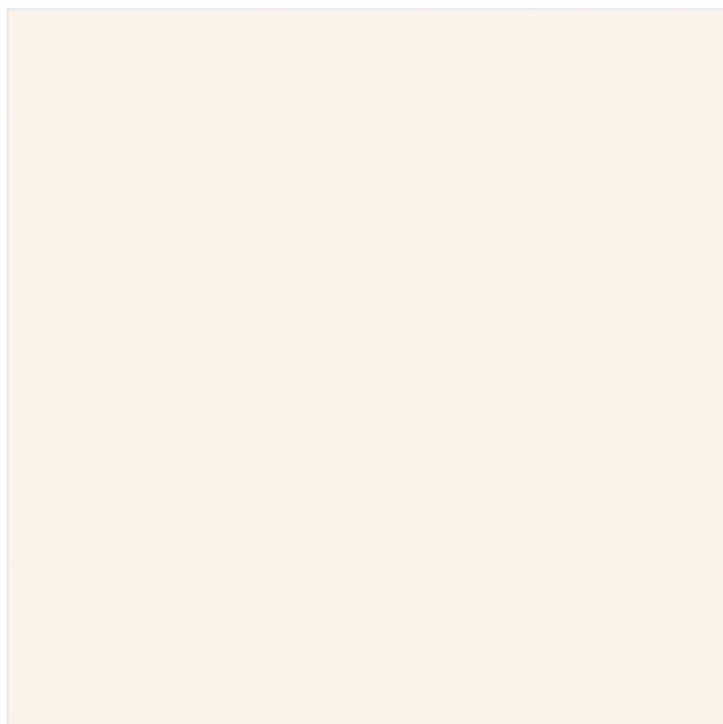
Random Pattern



RITZ

1000 X 1000 MM

1000 X 1000 MM



STERLING WHITE



ZOYA WHITE

1000 X 1000 MM



ZOYA WHITE



SOMANY[®]
VITRO

ULTRA
CHARGE
TECHNOLOGY

800X
1600MM

A befitting large size collection for bespoke spaces. The smooth mirror finish achieved to the hilt thanks to nano technology, gives an experience of gorgeous glance...

-  NANO TECH
-  ANTI STAIN
-  HIGHLY DURABLE
-  ECO FRIENDLY
-  GLOSS FINISH



800 X 1600 MM



MARTA BROWN

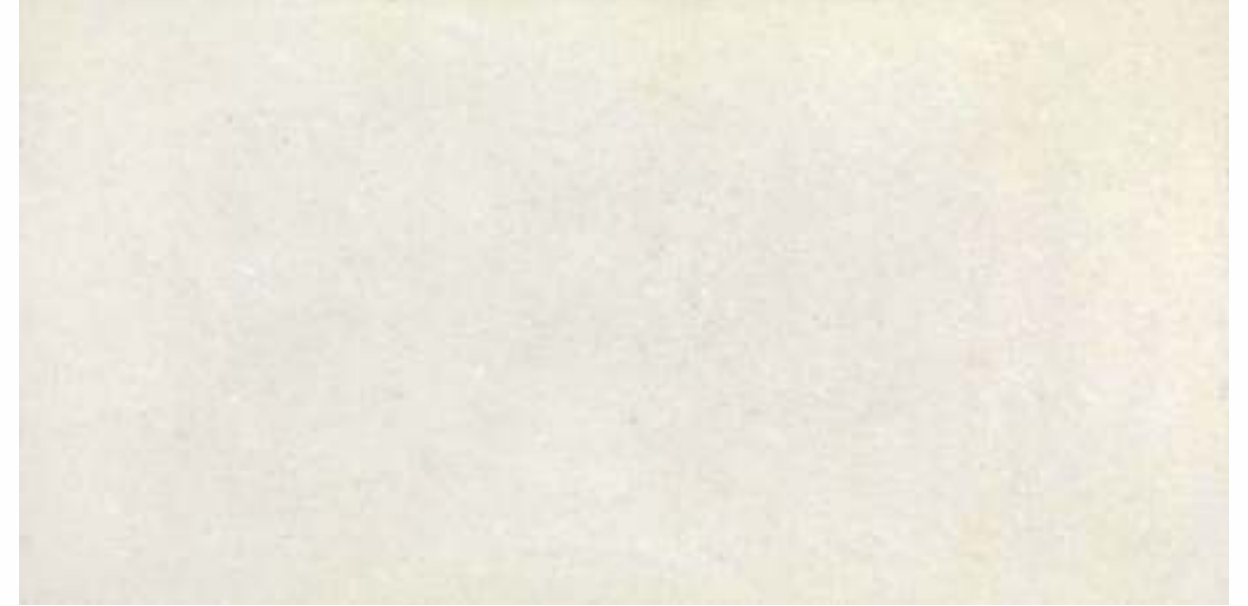
Random Pattern



MARTA WHITE

Random Pattern

800 X 1600 MM



NICHOLAS WHITE



NICHOLAS CREMA

800 X 1600 MM



NICHOLAS GRES



STESSO CREMA

Random Pattern

800 X 1600 MM



STESSO ULTRA WHITE

Random Pattern



STESSO MERCURY

Random Pattern



STESSO ULTRA WHITE
STESSO MERCURY

800 X 1600 MM



STESSO BEIGE

Random Pattern



STESSO COFFEE

Random Pattern



STESSO COFFEE

SOMANY[®]
VITRO

ULTRA
CHARGE
TECHNOLOGY

600X
1200MM

Designed to add grace and inexplicable charm to interiors, the designs of the collection portrays versatility of both application and range with its ultra-size. Durable to the core, large spaces adorned by ULTRA CHARGE Technology 600*1200mm will keep the lookers amazed for the time immemorial...



NANO
TECH



ANTI
STAIN



HIGHLY
DURABLE



ECO
FRIENDLY



GLOSS
FINISH



MATT
FINISH





ALICANTE CREMA



DESERT BEIGE



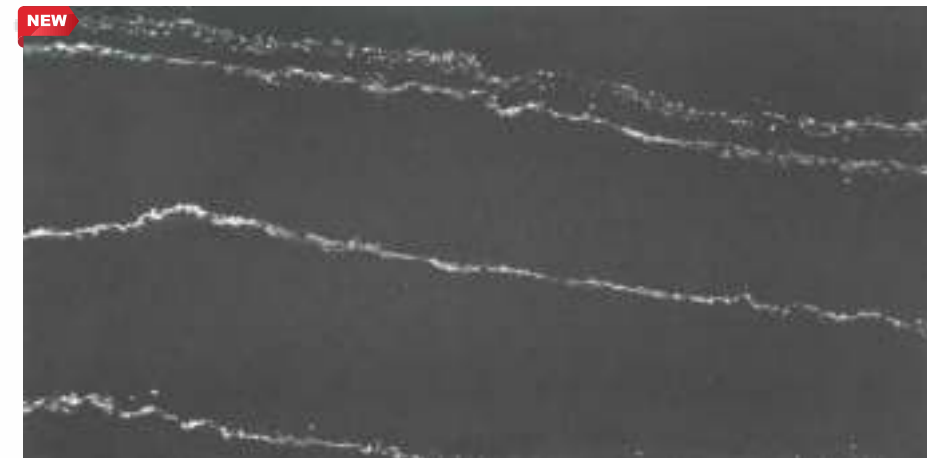
DESERT GREY



MAGNUS SLATE GREY



MAGNUS WHITE



MEJESTIC NERO

600 X 1200 MM

600 X 1200 MM



ONYX PEARL



PERLATO BEIGE



PERLATO GREEN



STATUARIO PEARL



SERPENGENTA NERO

600 X 1200 MM

600 X 1200 MM

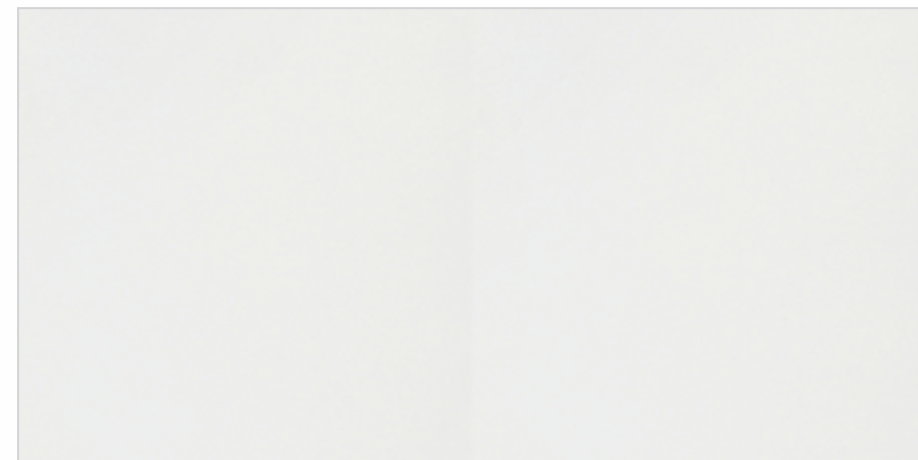




PRIME COTTA GREEN MATT



PRIME GRAPHITE MATT



PRIME MILKY WHITE MATT



PRIME SNOW WHITE MATT



PRIME STEEL GREY MATT



PRIME VERDE MATT

600 X 1200 MM

600 X 1200 MM



TRENTO CREMA MATT

Random Pattern



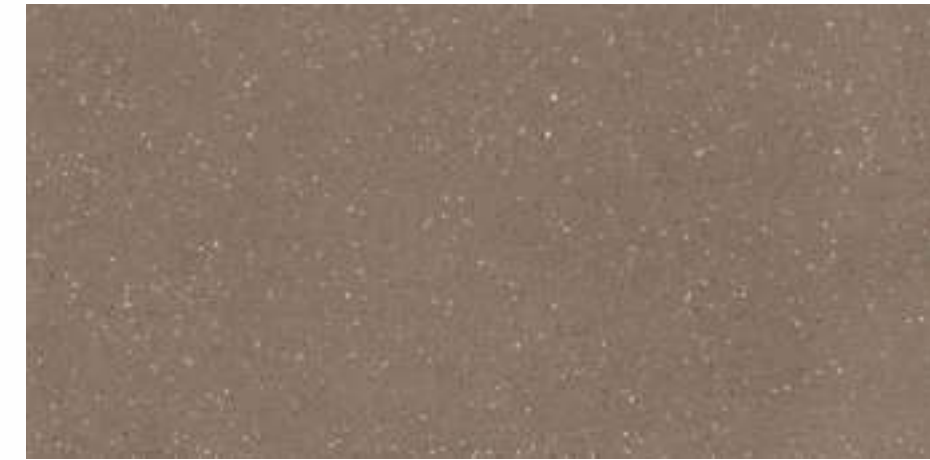
TRENTO CREMA GLOSSY

Random Pattern



TRENTO BROWN MATT

Random Pattern



TRENTO BROWN GLOSSY

Random Pattern



TRENTO GREY MATT

Random Pattern



TRENTO GREY GLOSSY

Random Pattern

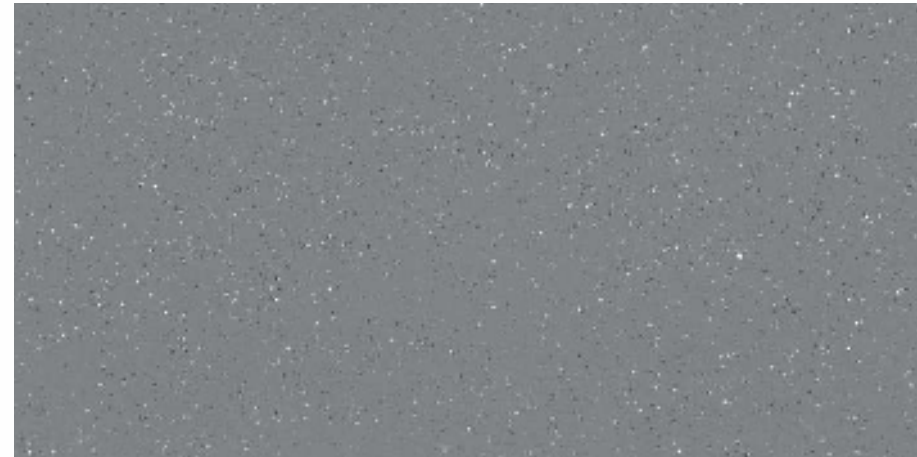
600 X 1200 MM

600 X 1200 MM



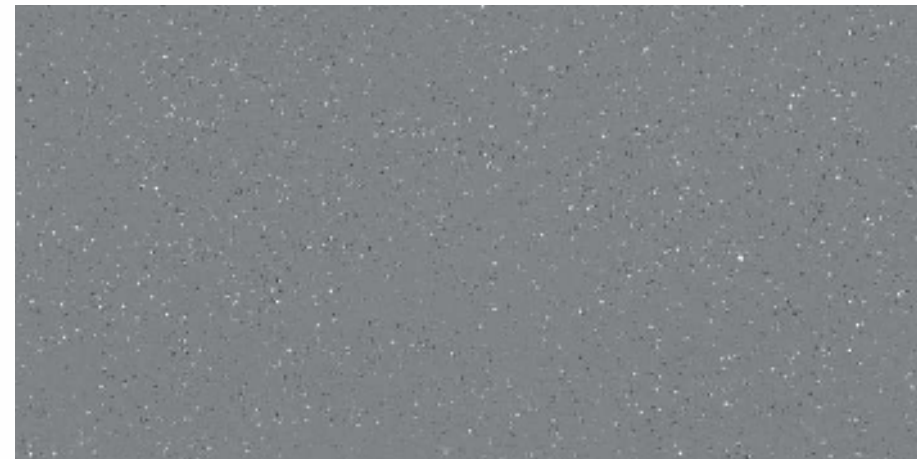
TRENTO BROWN MATT
TRENTO BROWN GLOSSY

600 X 1200 MM



TRENTO NERO MATT

Random Pattern



TRENTO NERO GLOSSY

Random Pattern

600 X 1200 MM



LARGO TECHSTONE CREMA



LARGO TECHSTONE BLANCO



LARGO TECHSTONE ANTRACITA



LARGO TECHSTONE GRIS



LARGO TECHSTONE MAROON



LARGO TECHSTONE MAROON

600 X 1200 MM

SOMANY[®]
VITRO

ULTRA
CHARGE
TECHNOLOGY

800X
800MM

Meant to make your spaces look spacious, these cutting-edge nano technology tiles are indeed grace re-defined. Each design of the collection beat the contemporaries with its unique design... unmatched shiny finish and unparalleled durability. These ULTRA CHARGE TECHNOLOGY 800x800MM all glossy range is truly a charm-filler for any space...



NANO
TECH



ANTI
STAIN



HIGHLY
DURABLE



ECO
FRIENDLY



GLOSS
FINISH



MATT
FINISH



800 X 800 MM

800 X 800 MM



MIRAGE BEIGE

Random Pattern



MIRAGE BIANCO

Random Pattern



MIRAGE GREY

Random Pattern



MIRAGE OCEAN

Random Pattern



MIRAGE BROWN

Random Pattern



MIRAGE BRUNETT

Random Pattern



EUPHORIA AMBER

Random Pattern



EUPHORIA GLACIER WHITE

Random Pattern

800 X 800 MM

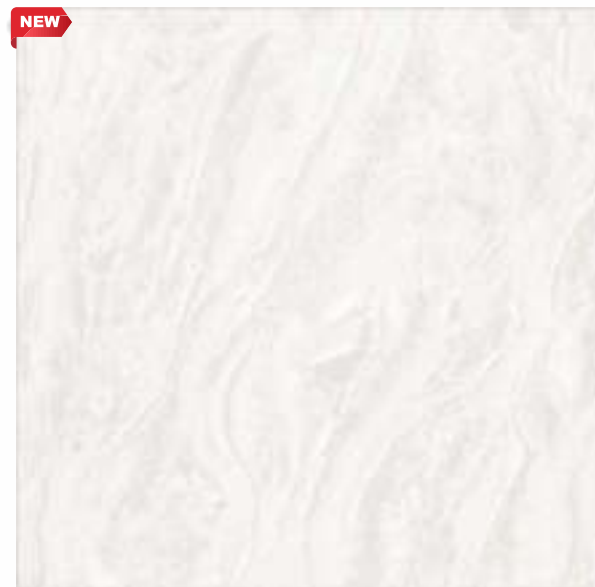
800 X 800 MM



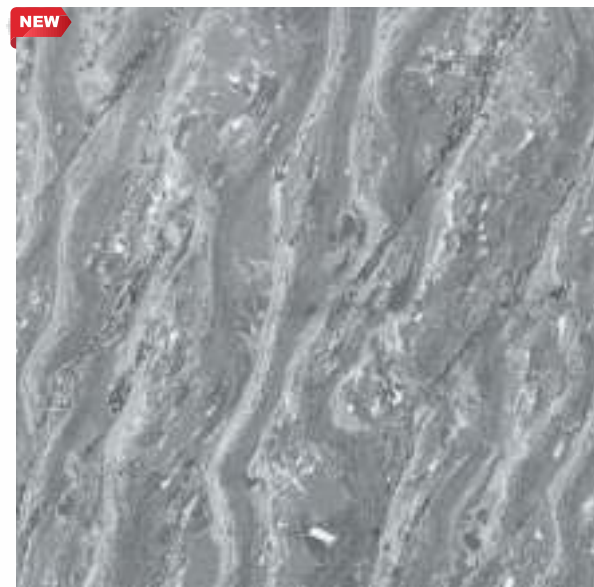
EUPHORIA NATURAL Random Pattern



EUPHORIA NERO Random Pattern



OPULENCE BIANCO Random Pattern



OPULENCE GRIS Random Pattern



OPULENCE LIGHT ROSA Random Pattern



OPULENCE SAGE Random Pattern



TRIBECA GOLD



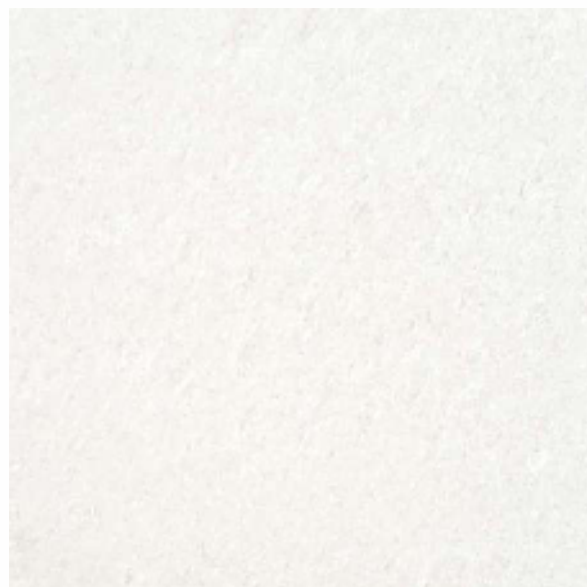
TRIBECA WHITE



800 X 800 MM



BERLINETTA WHITE



CABRIO WHITE



CABRIO BEIGE



ESCALADE

800 X 800 MM



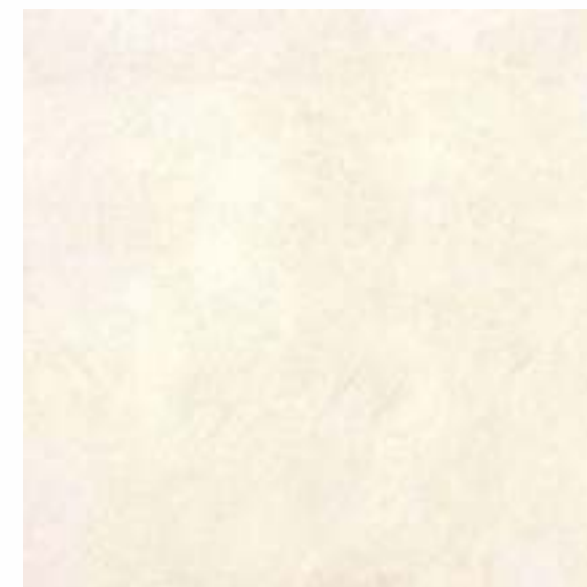
EVOQUE



HAZE GREY



MILKY WHITE



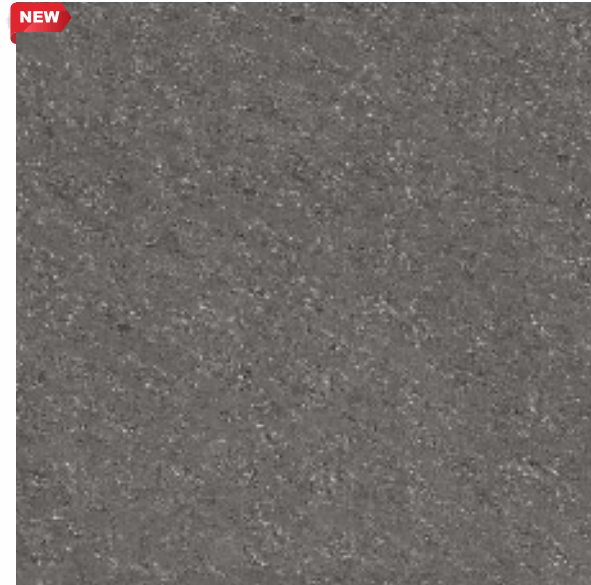
MILTON BIANCO

800 X 800 MM

800 X 800 MM



NEBULA BIANCO



NEBULA GRIS



S&P-GREY

Random Pattern



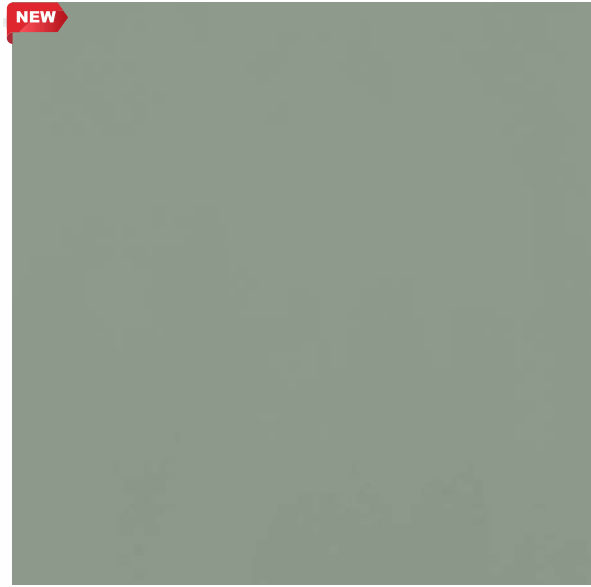
STALLION BLACK



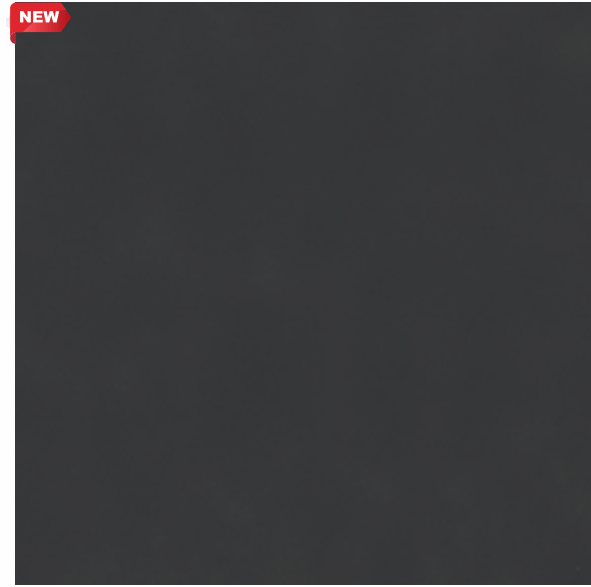
TUSCAN BEIGE



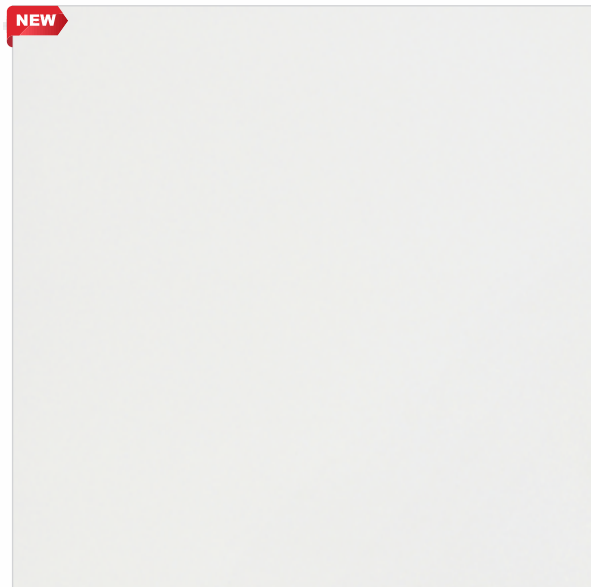
800 X 800 MM



NEXA COTTA GREEN MATT



NEXA GRAPHITE MATT



NEXA MILKY WHITE MATT



NEXA SNOW WHITE MATT

800 X 800 MM



NEXA STEEL GREY MATT



NEXA VERDE MATT



NEXA CHERRY MATT

S & P MATT

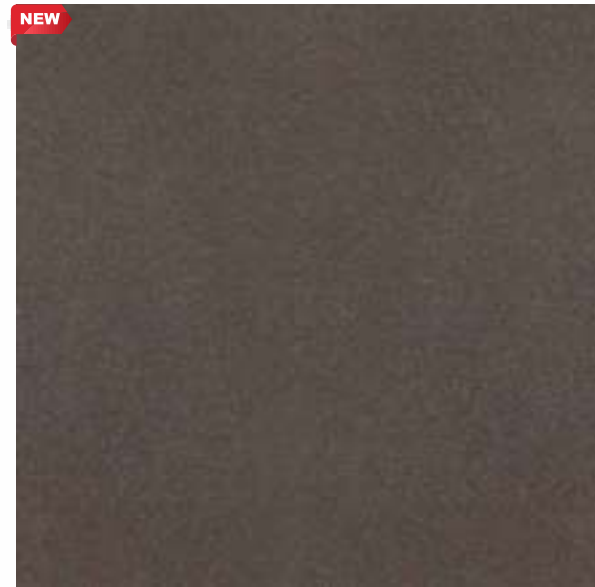


NEXA CHERRY POLISH

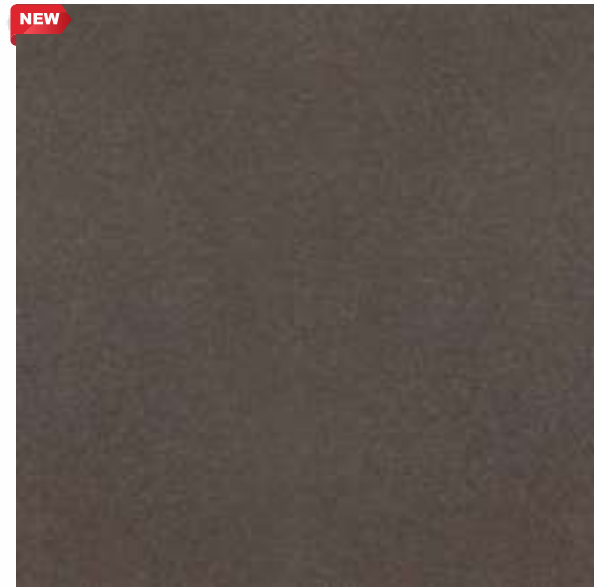
S & P POLISH

800 X 800 MM

800 X 800 MM



NEXA COFFEE MATT S & P MATT



NEXA COFFEE POLISH S & P POLISH



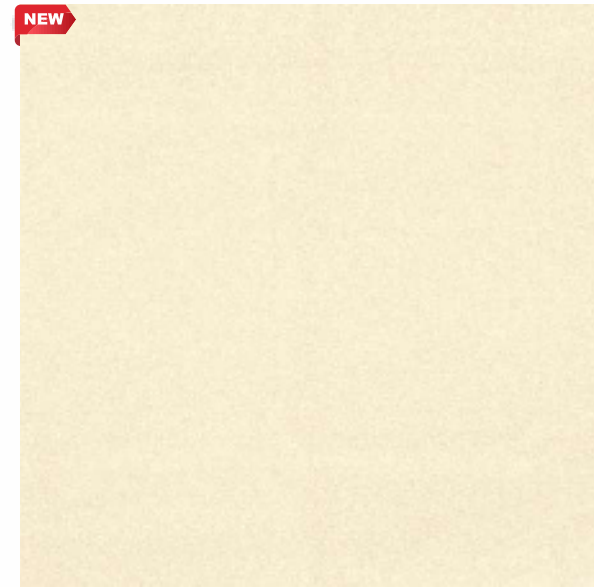
NEXA CREMA MATT S & P MATT



NEXA CREMA POLISH S & P POLISH



NEXA GOLD MATT S & P MATT



NEXA GOLD POLISH S & P POLISH



NEXA GREY MATT S & P MATT



NEXA GREY POLISH S & P POLISH



800 X 800 MM



NEXA MINT MATT

S & P MATT



NEXA MINT POLISH

S & P POLISH



NEXA NERO MATT

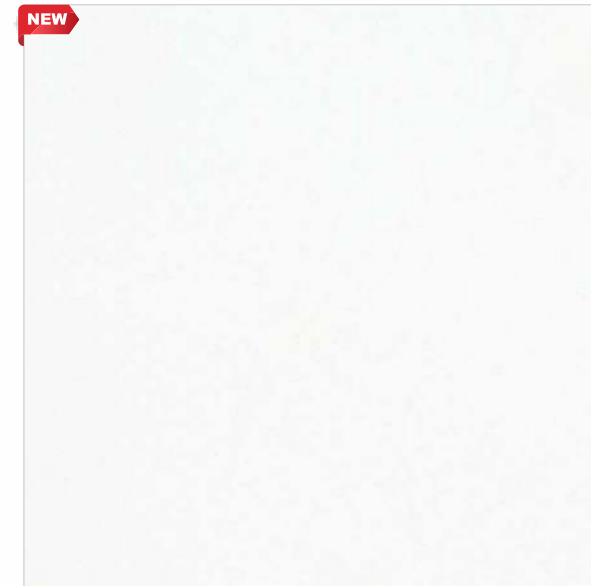
S & P MATT



NEXA NERO POLISH

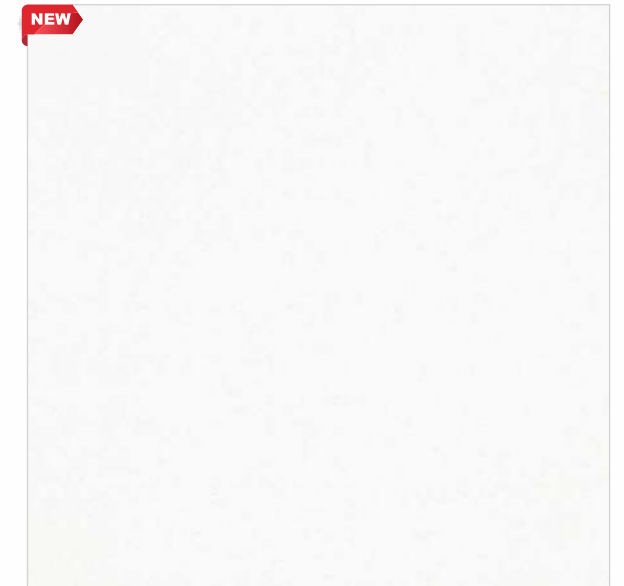
S & P POLISH

800 X 800 MM



NEXA WHITE MATT

S & P MATT



NEXA WHITE POLISH

S & P POLISH

SOMANY[®]
VITRO

ULTRA
CHARGE
TECHNOLOGY

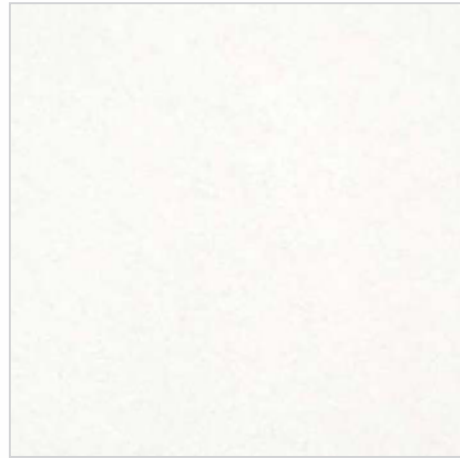
600X
600MM

Comfort is class...especially if it is a part of Somany Vitro 600x600mm collection. It is a range conceived to lend a big appeal with its most suitable size and graces the place like indoors, malls, restaurants, living rooms, or kitchens leaving an impressive impression...





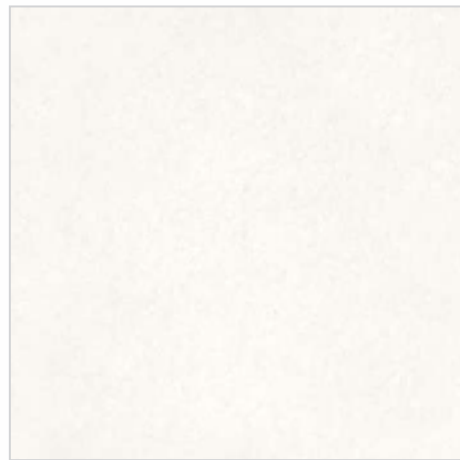
600 X 600 MM



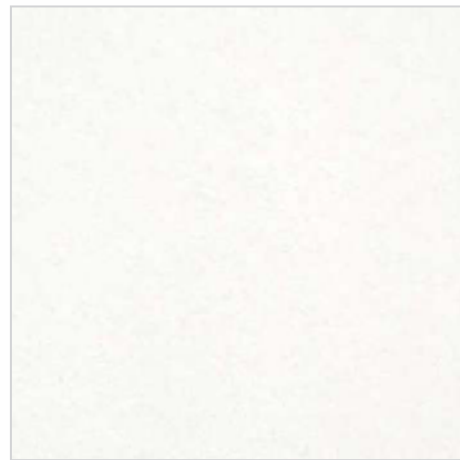
BERLINETTA WHITE



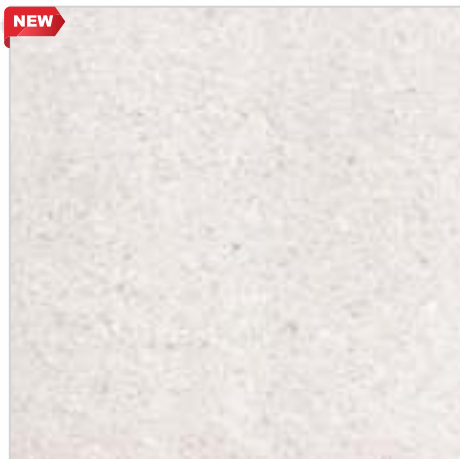
CROWN MINT



CROWN SNOW



CROWN WHITE



DACIA BONE

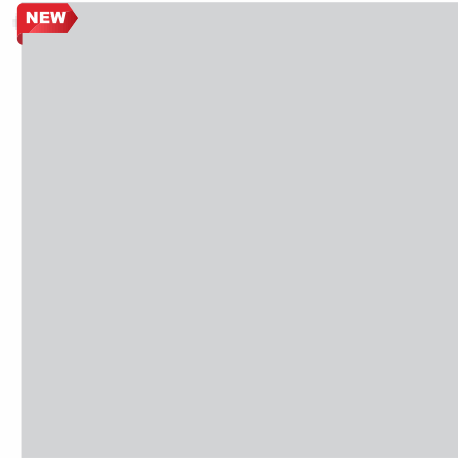


DACIA BROWN

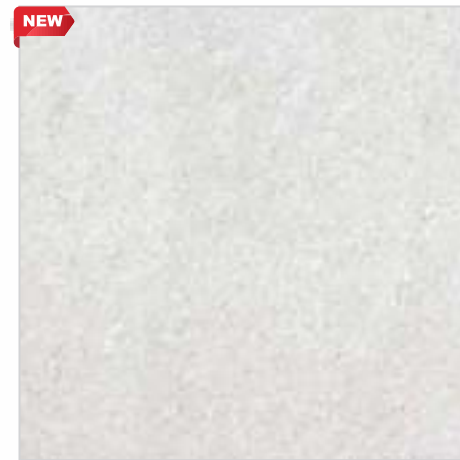
600 X 600 MM



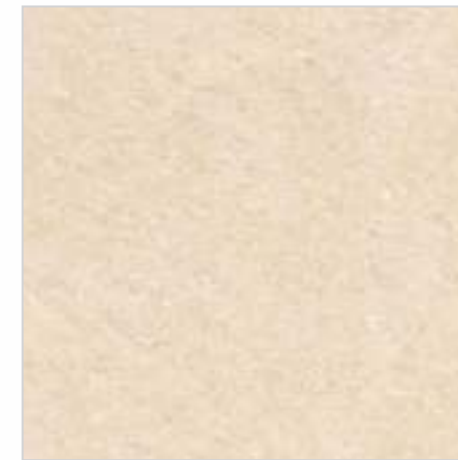
DACIA GREEN



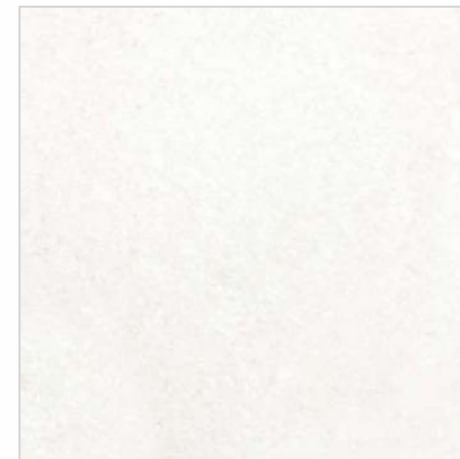
DACIA GREY



DACIA GRIZZLE



DACIA IVORY



DACIA PEARL

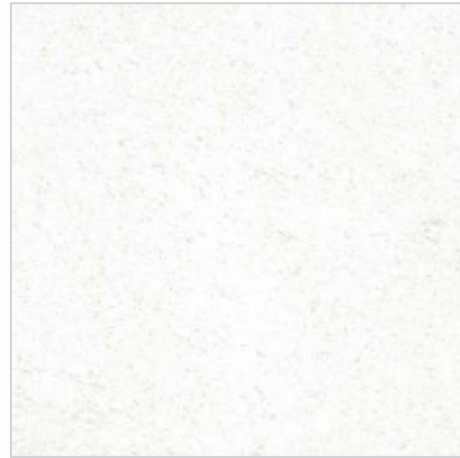


DACIA PINK

600 X 600 MM



DACIA WHITE



DAZZLING WHITE



EVALIA



GALAXY BLACK



GALAXY GREEN



GALAXY ROSSO

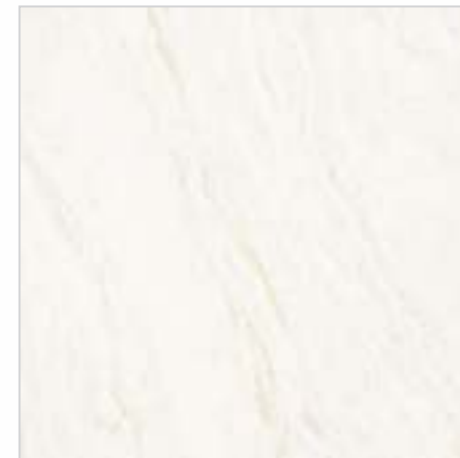
600 X 600 MM



HAZE GREY



LAWRENCE BIANCO Random Pattern



LAWRENCE GOLD Random Pattern



LAWRENCE GRIGIO Random Pattern



LAWRENCE MOKA Random Pattern



MICRA BROWN



600 X 600 MM



NUVARO BEIGE Random Pattern



NUVARO BIANCO Random Pattern



NUVARO BROWN Random Pattern



NUVARO CREMA Random Pattern

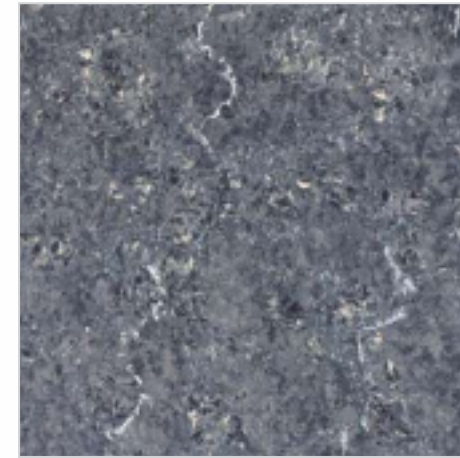


NUVARO GREY Random Pattern

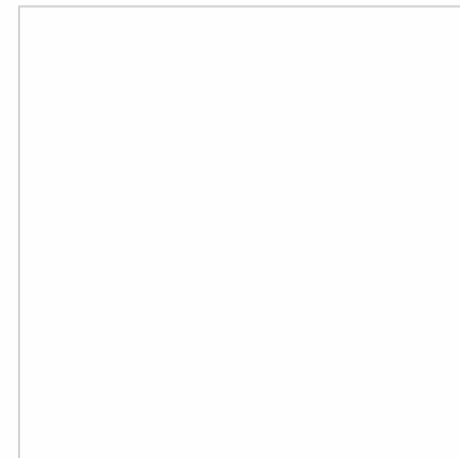


NUVARO MOCHA Random Pattern

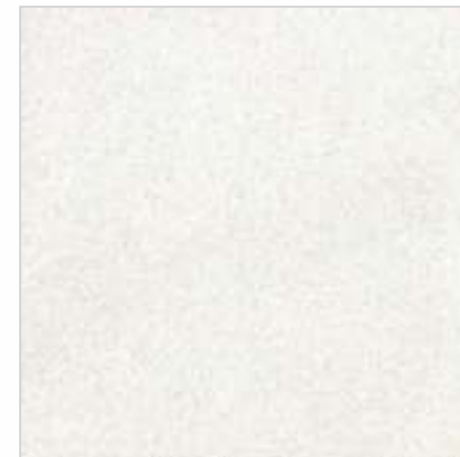
600 X 600 MM



NUVARO NERO Random Pattern



ULTRA WHITE

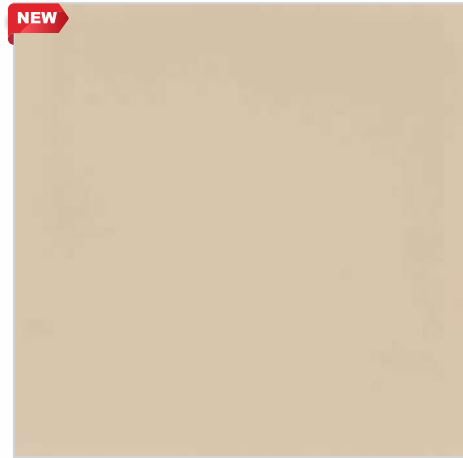


S&P-GREY

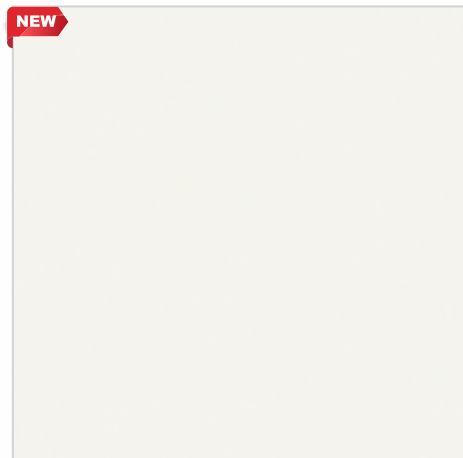
600 X 600 MM



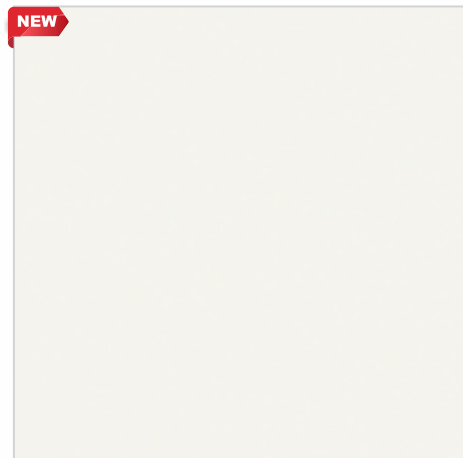
NEXA BROWN MATT



NEXA BROWN POLISH



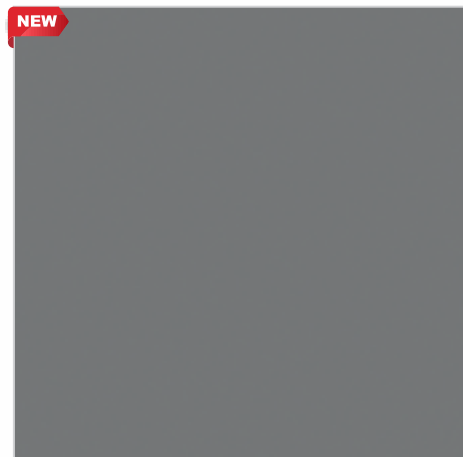
NEXA MILKY WHITE MATT



NEXA MILKY WHITE POLISH

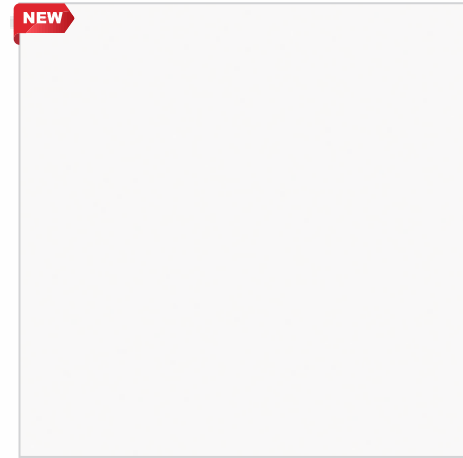


NEXA STEEL GREY MATT

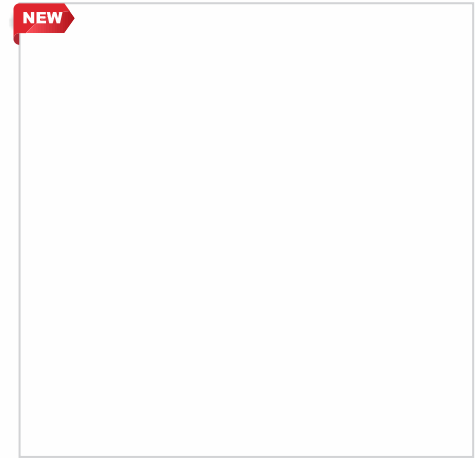


NEXA STEEL GREY POLISH

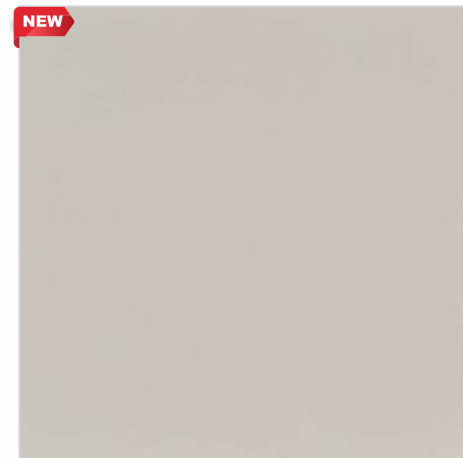
600 X 600 MM



NEXA SNOW WHITE MATT



NEXA SNOW WHITE POLISH



NEXA VERDE MATT



NEXA VERDE POLISH



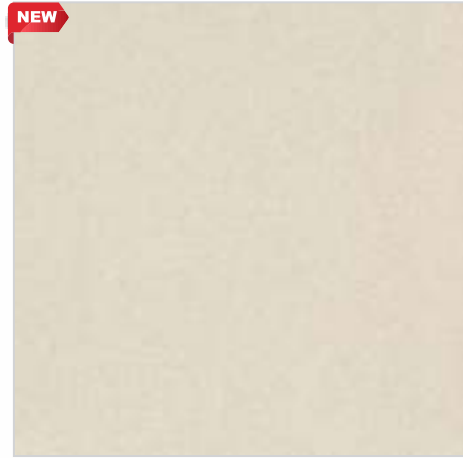
NEXA GRAPHITE MATT



600 X 600 MM



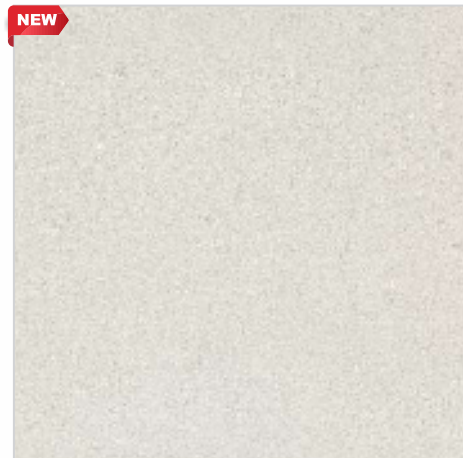
NEXA S&P BEIGE POLISH



NEXA S&P CREMA POLISH



NEXA S&P GREY POLISH



NEXA S&P MIST POLISH

600 X 600 MM



NEXA S&P OLIVE POLISH



NEXA S&P WHITE POLISH

SOMANY[®]
VITRO

Powered by
TWIN
CHARGE
PRINT TECHNOLOGY

600X
600MM

With an amalgamation of versatile designs and solid vitrified body, this Twin Charge Printing Technology is able to decorate your space with unparalleled magnificence; the 600x600mm collection has designs that leave an enlivening animated effect on the ambiances. The print on the tiles, each embodying uniqueness, and urban style enhances the beauty of the overall décor...



600 X 600 MM



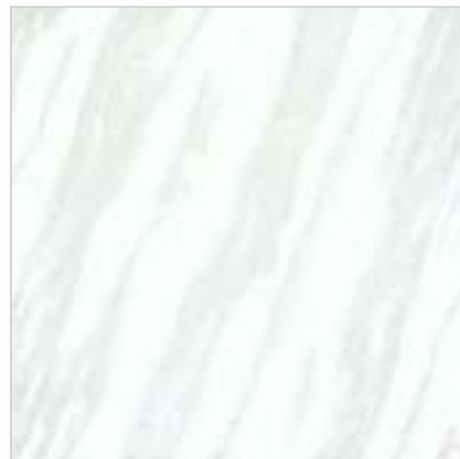
BRITANY



CHERYL



HALEY



LINETTE

600 X 600 MM



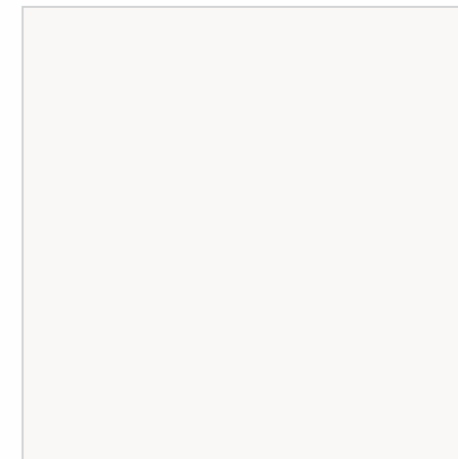
MELODY



NAOMI



UDELE



ZELENA

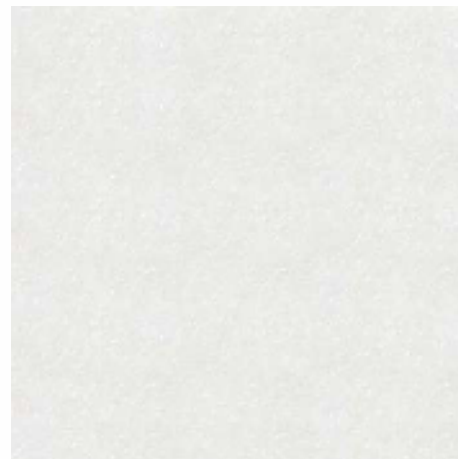




SOVRANO BIANCO Ultra Charge



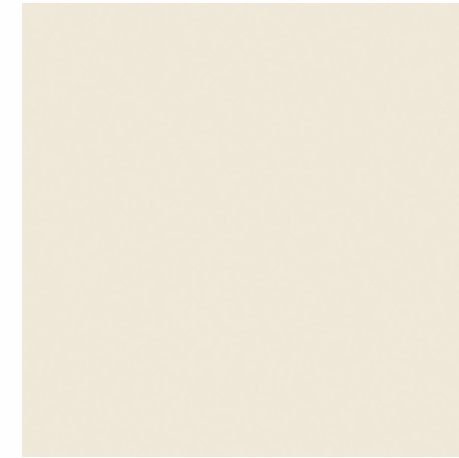
SOVRANO GREY Ultra Charge



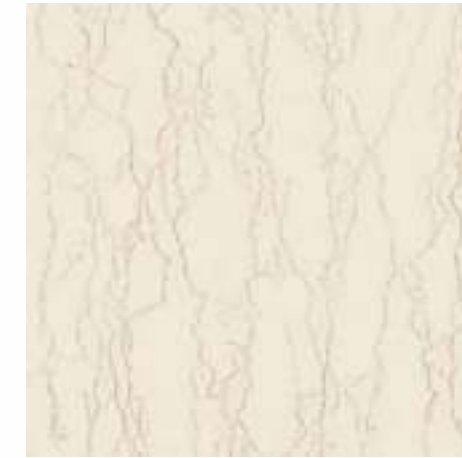
SOVRANO SILVER Ultra Charge

600 X 600 MM

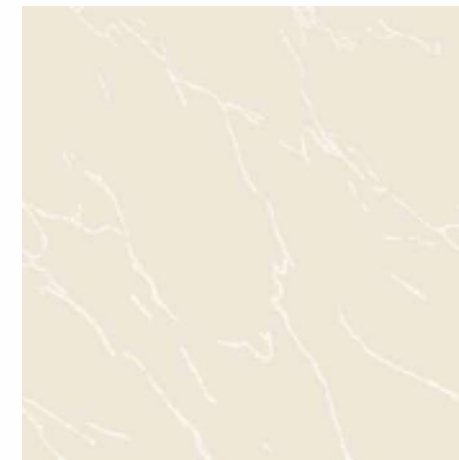
600 X 600 MM



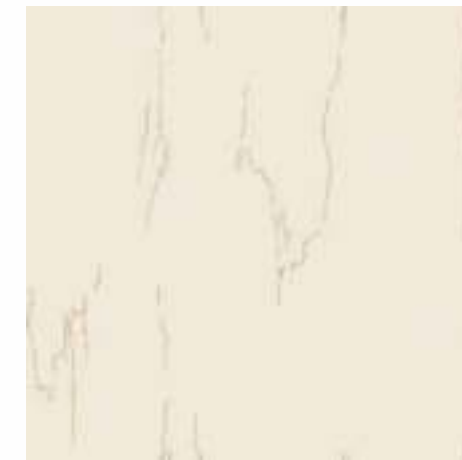
NANO AVORIO Nanovated



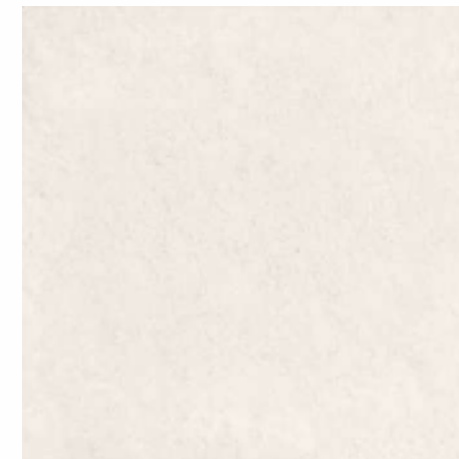
NANO BENITA Nanovated



NANO CORNELIO Nanovated



NANO ELISA Nanovated



NANO NILSA Nanovated

SOMANY[®]
VITRO

*Soluble
Salt*

605X
605MM

Available in unique 605x605mm size, these ethereal Vitrified tiles are made with a unique soluble salt technology that makes it sturdy and impact-proof. So, once laid on the floor... it's beautiful gloss finish will keep scintillating viewers for a longer period...



HIGHLY
DURABLE



ECO
FRIENDLY



GLOSS
FINISH

605 X 605 MM



NANO AROMA

Nanovated



NANO BRIO

Nanovated



NANO CAMARO

Nanovated



NANO CELICA BEIGE

Nanovated



NANO CELICA BLUE

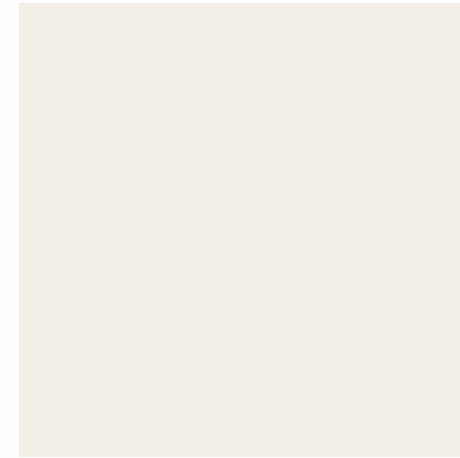
Nanovated



NANO CROMA

Nanovated

605 X 605 MM



NANO CRYSTAL WHITE

Nanovated



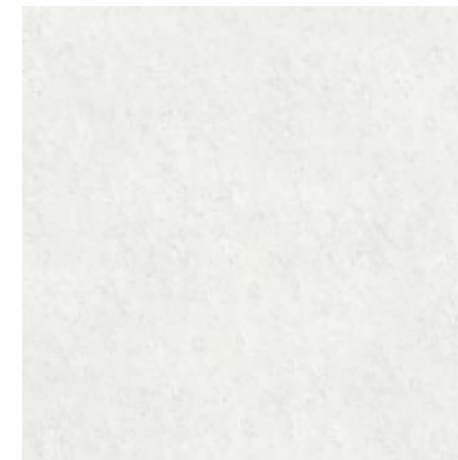
NANO EVORA

Nanovated



NANO FUMO

Nanovated



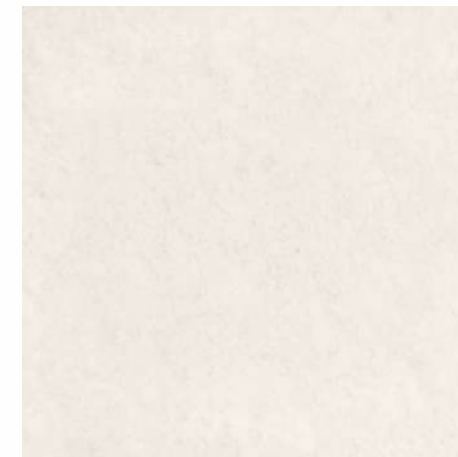
NANO IBIZA

Nanovated



NANO LEXUS BEIGE

Nanovated



NANO NILSA

Nanovated



605 X 605 MM



NANO LIVA

Nanovated



NANO AQUILA

Nanovated



NANO TESLA

Nanovated



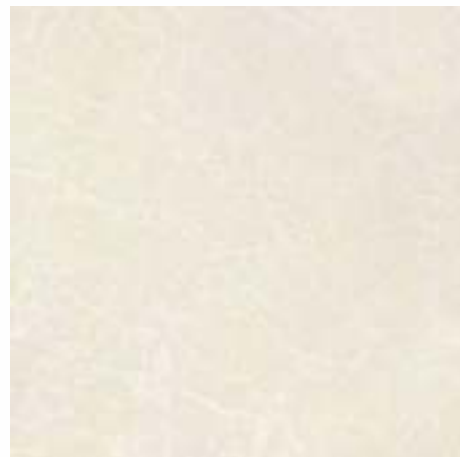
NANO SPADA

Nanovated



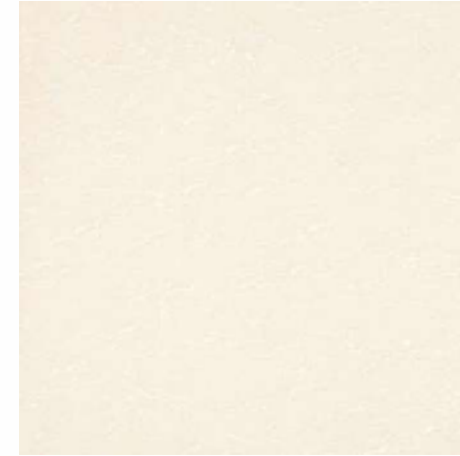
NANO NASH

Nanovated



NANO NEXA

Nanovated



NANO OASIS

Nanovated

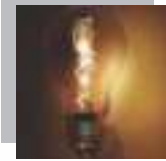


NANO SPLASH

Nanovated



NANO SPLASH



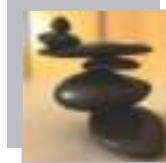
HEAT RESISTANT:
A hot saucepan or any hot substance will not taint the beauty of your space if they are adored with heat resistant Somany Tiles collection.



FULL BODY MATERIAL:
The magic of natural and compact material is evident in the ultimate product. Rather than being superficial, the beauty of Somany Tiles reaches to the core giving it comprehensive and all encompassing elegant look.



WEAR & TEAR RESISTANT:
A sturdy choice to withstand any kind of wear and tear, Somany Tiles doesn't let abrasion tarnish the beauty of your interiors with its tear and wear resistant tiles.



FROST RESISTANT:
With new frost resistant technology, Somany Tiles comes with the promise of being lifelong beautiful. Now even in cold conditions, your tiles will not lose their charm and beauty.



CHROMATICALLY STABLE:
A chromatically stable collection, Somany Tiles endures damaging effects of sun, harsh weather or smoke. Made with latest technology, the colors and shades of each tile remains as beautiful as ever.



MANIFOLD APPLICATIONS:
From office space to residential, with Somany Tiles ability to suit every environment, every space will have a distinct look. With the option of cutting as per shape, Somany Tiles lets you enjoy the freedom of choice.



EASY TO MAINTAIN:
Somany Tiles brings you convenience and ease of hassle-free cleaning and maintenance. With its specially imbibed special attributes, bacteria and other substances do not harm its beauty and are easily cleaned with any strong detergent or disinfectant.



ACID RESISTANT:
The fear of acidic substances like vinegar, lemon juice or others ruining the beauty of your tiles will be a past story now. Somany Tiles have special Acid resistance attribute that safeguards the beauty of tiles for the eternity.



STAIN RESISTANT:
Stains are old news! 'Coz your spaces are adorned with Somany Tiles. With its easy to clean characteristic, Somany Tiles are always easy to maintain.



ECO-FRIENDLY:
Somany Tiles are naturally beautiful and made with environment friendly raw materials, without any chemicals, varnishes and resins. Free of any waterproofing chemicals, varnishes or resins, Somany Tiles neither employ any environmentally hazardous processes in the manufacturing.

PACKAGING DETAILS FOR POLISHED VITRIFIED TILES (ULTRA CHARGE)

Nominal Size	Thickness	No. Of Tiles per carton	Weight	Coverage area per Carton
1000 x 1000mm	11.6mm	2 Pcs	54.5 Kgs. Per Box (Approx)	2.00 Sq. Mtr / 21.53 Sq. ft.
800 x 1600mm	9.5mm	2 Pcs	54.0 Kgs. Per Box (Approx)	2.56 Sq. Mtr / 27.55 Sq. ft.
800 x 1200mm	9.2mm	2 Pcs	39.5 Kgs. Per Box (Approx)	1.92 Sq. Mtr / 20.67 Sq. ft.
600 x 1200mm	9.2mm	2 Pcs	29.6 Kgs. Per Box (Approx)	1.44 Sq. Mtr / 15.50 Sq. ft.
800 x 800mm	9.2mm	3 Pcs	39.0 Kgs. Per Box (Approx)	1.92 Sq. Mtr / 20.67 Sq. ft.
600 x 600mm	8.8mm	4 Pcs	26.5 Kgs. Per Box (Approx)	1.44 Sq. Mtr / 15.50 Sq. ft.
600 x 600mm (Nexa Series)	8.8mm	4 Pcs	27.5 Kgs. Per Box (Approx)	1.44 Sq. Mtr / 15.50 Sq. ft.

TECHNICAL SPECIFICATION FOR POLISHED VITRIFIED TILES (ULTRA CHARGE)

Characteristics	Requirement as per IS 15622 :2017 E ≤ 0.08 Group B I a	Requirement as per ISO 13006 ≤ 0.5% Group B I a	Our Values	Test Method
Dimension & Surface Quality				
Length & Width	± 0.10%	± 0.5%	± 0.10%	IS 13630 Part 1/ ISO 10545-2
Thickness	± 5.00%	± 5.00%	± 4.0%	
Straightness of Side	± 0.10%	± 0.50%	± 0.10%	
Rectangularity	± 0.10%	± 0.60%	± 0.10%	
Surface Flatness				
Center Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Edge Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Corner Warpage (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
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	
Physical Properties				
Water Absorption	Average ≤ 0.08%, Individual Max. 0.1%	Av ≤ 0.5 %, Individual 0.6% max	Max. < 0.08%	IS 13630 Part 2/ ISO 10545-3
Modulus of Rupture [N/mm ²]	Av 35, Individual 32 min	Av 35, Individual 32 min	Avg.40, Individual 38 Min	IS 13630 Part 6/ISO 10545-4
Breaking Strength in N	1300	Min.1300	1500 N	
Moisture Expansion in mm/m	0.02	Test method available	0.02	IS 13630 Part 3/ISO-10545-10
Scratch Hardness of Surface (Mohs)	Min 5	N.A	Min 5	IS 13630 Part 13
Coefficient of Linear Thermal Expansion from Embiant Temperature to 100° C	6 X 10 ⁻⁶ K ⁻¹ Max	Test Method Available	Max 6 X 10 ⁻⁶ K ⁻¹ Max	IS 13630 Part 4/ ISO 10545-8
Thermal Shock Resistance	10 Cycle Min	Required	10 Cycle Passed	IS 13630 Part 5/ISO-10545-9
Crazing Resistance	4 Cycle @ 7.5 bar Min	N.A	N.A	IS 13630 Part 9/ISO 10545-11
Impact Resistance as Co-efficient of Restitution (COR)	0.55 Min	Test Method Available	0.75-0.95	IS 13630 Part 14/ISO 10545-5
Deep Abrasion Resistance	140,Max	Max.175	Max.100	IS 13630 PART 12/ISO 10454-6
Frost Resistance	Required	Required	100 Cycle Passed	IS 13630 Part 10/ISO 10545-12
Chemical Resistance (Unglazed Tiles)				
Stain Resistance	Min Class 2	Manufacturer to State The Class	Min Class 2(For, Non Nano not applicable)	IS 13630 Part 8/ISO 10545-14
Resistance to Household chemicals	Min Class AA	Min Class UB	Min Class AA	IS 13630 Part 7/ISO 10545-13
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if Agreed	Test Method Available	Min Class A	

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PACKAGING DETAILS FOR 600x1200MM & 800x800MM FULLBODY VITRIFIED TILES

Nominal Size	Thickness	No. Of Tiles per carton	Weight	Coverage area per Carton
600x1200mm (S & P/Plain colour)	9.8mm	2 Pcs	32.0 Kgs. Per Box (Approx)	1.44 Sq. Mtr. / 15.50 Sq. ft.
800x800mm (S & P Polish)	8.7mm	3 Pcs	38.5 Kgs. Per Box (Approx)	1.92 Sq. Mtr. / 20.67 Sq. ft.
800x800mm (S & P/Plain colour)	9.5mm	3 Pcs	41.5 Kgs. Per Box (Approx)	1.92 Sq. Mtr. / 20.67 Sq. ft.

TECHNICAL SPECIFICATIONS FOR 600x1200MM & 800x800MM FULLBODY VITRIFIED TILES

Characteristics	Requirement as per IS 15622 :2017 E ≤ 0.08 Group B I a	Requirement as per ISO 13006 ≤ 0.5% Group B I a	Our Values	Test Method
Dimension & Surface Quality				
Length & Width	± 0.10%	± 0.5%	± 0.10%	IS 13630 Part 1/ ISO 10545-2
Thickness	± 5.00%	± 5.00%	± 4.0%	
Straightness of Side	± 0.10%	± 0.50%	± 0.10%	
Rectengularity	± 0.10%	± 0.60%	± 0.10%	
Surface Flatness				
Center Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Edge Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Corner Warpage (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
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	
Physical Properties				
Water Absorption	Average ≤ 0.08%, Individual Max. 0.1%	Av ≤ 0.5 %, Individual 0.6% max	Max. < 0.08%	IS 13630 Part 2/ ISO 10545-3
Modulus of Rupture [N/mm2]	Av 35, Individual 32 min	Av 35, Individual 32 min	Avg. 38	IS 13630 Part 6/ISO 10545-4
Breaking Strength in N	1300	Min.1300	Min 1500 N	
Moisture Expansion in mm/m	0.02	Test method available	0.02	IS 13630 Part 3/ISO-10545-10
Scratch Hardness of Surface (Mohs)	Min 5	N.A	Min 5	IS 13630 Part 13
Coefficient of Linear Thermal Expansion from Embiant Temperature to 100° C	6 X 10 ⁻⁶ K ⁻¹ Max	Test Method Available	Max 6 X 10 ⁻⁶ K ⁻¹ Max	IS 13630 Part 4/ ISO 10545-8
Thermal Shock Resistance	10 Cycle Min	Required	10 Cycle Passed	IS 13630 Part 5/ISO-10545-9
Crazing Resistance	4 Cycle @ 7.5 bar Min	N.A	Not Applicable	IS 13630 Part 9/ISO 10545-11
Imapct Resistance as Co-efficient of Restitution (COR)	0.55 Min	Test Method Available	0.75-0.95	IS 13630 Part 14/ISO 10545-5
Deep Abrasion Resistance	140,Max	Max.175	Max.100	IS 13630 PART 12/ISO 10454-6
Frost Resistance	Required	Required	100 Cycle Passed	IS 13630 Part 10/ISO 10545-12
Chemical Resistance (Unglazed Tiles)				
Stain Resistance	Min Class 2	Manufacturer to State The Class	Min Class 2	IS 13630 Part 8/ISO 10545-14
Resistance to Household chemicals	Min Class AA	Min Class UB	Min Class AA	IS 13630 Part 7/ISO 10545-13
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if Agreed	Test Method Available	Min Class A	

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PACKAGING DETAILS FOR 600x1200MM LARGO SERIES

Nominal Size	Thickness	No. Of Tiles per carton	Weight	Coverage area per Carton
600 x 1200mm	10.0 mm	2 Pcs	32.5 Kgs. Per Box (Approx)	1.44 Sq. Mtr. / 15.50 Sq. ft.

TECHNICAL SPECIFICATIONS FOR 600x1200MM LARGO SERIES

Characteristics	Requirement as per IS 15622:2017 / IS 4457:2007 0.08 < E≤3% Group B I b	Our Values	Test Method	
A) Dimension & Surface Quality				
i) Length & Width	±0.10%	±0.10%	IS 13630 Part 1	
ii) Thickness	± 5.0%	± 4.0%		
iii) Straightness of Side	±0.10%	±0.10%		
iv) Rectengularity	±0.10%	±0.10%		
v) Surface Flatness				
a) Center curvature (%) (max.Deviation)	±0.50 %	±0.2 %		
b) Edge curvature (%) { max.Deviation)	±0.50 %	±0.2 %		
c) Corner warpage %)(max.Deviation)	± 0.50 %	± 0.2 %		
vi) Surface Quality	>95 % free from visible defects	>95 % free from visible defects		
B) Physical Properties				
i) Water Absorption	Av. 0.08< E ≤ 3 %, Individual 3.3 max	Avg. < 0.5%	IS 13630 Part 2	
ii) Modulus of Rupture [N/mm2]	Av 30, Individual 27 min	Avg. 38	IS 13630 Part 6	
iii) Breaking Strength in N	1100	1500 N		
iv) Moisture Expansion in mm/m	0.02	0.02	IS 13630 Part 3	
v) Scratch Hardness of surface (Mohs)	Min 5	Min 6	IS 13630 Part 13	
vi) Resistance to Deep abrasion of un glazed tiles, volume of material removed in cubic millimetre ³	Max. 175	Max.100	IS 13630 Part 12	
vii) Resistance to Abrasion of glazed tiles(Class I to V)	Min II	Class V	IS 13630 Part 11	
viii) Coefficient of linear thermal expansion from embiant temperature to 100° C	Max. 7 X 10 ⁻⁶ K ⁻¹	Max. 6 X 10 ⁻⁶ K ⁻¹	IS 13630 Part 4	
ix) Thermal Shock Resistance	10 cycle min	10 cycle Passed	IS 13630 Part 5	
x) Crazing Resistance	4 cycle @ 7.5bar min	4 cyclePassed	IS 13630 Part 9	
xi) Imapct Resistance as Co-efficient of Restitution (COR)	0.55 min	0.75-0.90	IS 13630 Part 14	
xii) Frost Resistance	Required	100 Cycle Passed	IS 13630 Part 10	
xiii) Resistance to concentrated HNO3 & H2SO4	Loss of mass not exceed 1.5%	< 1.0%	IS 4457:2007	
C) Chemical Resistance				
I) Stain Resistance				
i) Stain Resistance	Min Class-1	Min Class-1	IS 13630 Part 8	
ii) Resistance to household chemicals	Min Class AA	Min Class AA		
iii) Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if agreed	Min Class AA		

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PACKAGING DETAILS FOR 600x600MM POLISHED VITRIFIED TILES

Nominal Size	Thickness	No. Of Tiles per carton	Weight	Coverage area per Carton
600x600mm Verve Double Charge	8.2mm	4 Pcs	25.70 Kgs. Per Box (Approx)	1.44 Sq. Mtr / 15.50 Sq. ft.
600x600mm Verve Soluble Salt	8.0mm	4 Pcs	24.75 Kgs. Per Box (Approx)	1.44 Sq. Mtr / 15.50 Sq. ft.

TECHNICAL SPECIFICATION FOR 600x600MM POLISHED VITRIFIED TILES

Characteristics	Requirement as per IS 15622 :2017 E ≤ 0.08 Group B I a	Requirement as per ISO 13006 ≤ 0.5% Group B I a	Our Values	Test Method
Dimension & Surface Quality				
Length & Width	± 0.10%	± 0.5%	± 0.10%	IS 13630 Part 1/ ISO 10545-2
Thickness	± 5.00%	± 5.00%	± 4.0%	
Straightness of Side	± 0.10%	± 0.50%	± 0.10%	
Rectengularity	± 0.10%	± 0.60%	± 0.10%	
Surface Flatness				
Center Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Edge Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Corner Warpage %)(Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
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	
Physical Properties				
Water Absorption	Average ≤ 0.08%, Individual Max. 0.1%	Av ≤ 0.5 %, Individual 0.6% max	Max. < 0.08%	IS 13630 Part 2/ ISO 10545-3
Modulus of Rupture [N/mm ²]	Av 35, Individual 32 min	Av 35, Individual 32 min	Avg.40, Individual 38 Min	IS 13630 Part 6/ISO 10545-4
Breaking Strength in N	1300	Min.1300	Min 1300 N	
Moisture Expansion in mm/m	0.02	Test method available	0.02	IS 13630 Part 3/ISO-10545-10
Scratch Hardness of Surface (Mohs)	Min 5	N.A	Min 5	IS 13630 Part 13
Coefficient of Linear Thermal Expansion from Embiant Temperature to 100° C	6 X 10 ⁻⁶ K ⁻¹ Max	Test Method Available	Max 6 X 10 ⁻⁶ K ⁻¹ Max	IS 13630 Part 4/ ISO 10545-8
Thermal Shock Resistance	10 Cycle Min	Required	10 Cycle Passed	IS 13630 Part 5/ISO-10545-9
Crazing Resistance	4 Cycle @ 7.5 bar Min	N.A	N.A	IS 13630 Part 9/ISO 10545-11
Imapct Resistance as Co-efficient of Restitution (COR)	0.55 Min	Test Method Available	0.75-0.95	IS 13630 Part 14/ISO 10545-5
Deep Abrastion Resistance	140,Max	Max.175	Max.100	IS 13630 PART 12/ISO 10454-6
Frost Resistance	Required	Required	100 Cycle Passed	IS 13630 Part 10/ISO 10545-12
Chemical Resistance (Unglazed Tiles)				
Stain Resistance	Min Class 2	Manufacturer to State The Class	Min Class 2(For, Non Nano not applicable)	IS 13630 Part 8/ISO 10545-14
Resistance to Household chemicals	Min Class AA	Min Class UB	Min Class AA	IS 13630 Part 7/ISO 10545-13
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if Agreed	Test Method Available	Min Class A	

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PACKAGING DETAILS FOR 605x605MM POLISHED VITRIFIED TILES

Nominal Size	Thickness	No. Of Tiles per carton	Weight	Coverage area per Carton
605x605mm	8.5mm	4 Pcs	26.0 Kgs. Per Box (Approx)	1.464 Sq. Mtr / 15.76 Sq. ft.

TECHNICAL SPECIFICATION FOR 605x605MM POLISHED VITRIFIED TILES

Characteristics	Requirement as per IS 15622 :2017 E ≤ 0.08 Group B I a	Requirement as per ISO 13006 ≤ 0.5% Group B I a	Our Values	Test Method
Dimension & Surface Quality				
Length & Width	± 0.10%	± 0.5%	± 0.10%	IS 13630 Part 1/ ISO 10545-2
Thickness	± 5.00%	± 5.00%	± 4.0%	
Straightness of Side	± 0.10%	± 0.50%	± 0.10%	
Rectengularity	± 0.10%	± 0.60%	± 0.10%	
Surface Flatness				
Center Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Edge Curvature (%) (Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
Corner Warpage %)(Max. Dev.)	± 0.50%	± 0.50%	± 0.2 %	
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	
Physical Properties				
Water Absorption	Average ≤ 0.08%, Individual Max. 0.1%	Av ≤ 0.5 %, Individual 0.6% max	Max. < 0.08%	IS 13630 Part 2/ ISO 10545-3
Modulus of Rupture [N/mm ²]	Av 35, Individual 32 min	Av 35, Individual 32 min	Avg.40, Individual 38 Min	IS 13630 Part 6/ISO 10545-4
Breaking Strength in N	1300	Min.1300	1500 N	
Moisture Expansion in mm/m	0.02	Test method available	0.02	IS 13630 Part 3/ISO-10545-10
Scratch Hardness of Surface (Mohs)	Min 5	N.A	Min 5	IS 13630 Part 13
Coefficient of Linear Thermal Expansion from Embiant Temperature to 100° C	6 X 10 ⁻⁶ K ⁻¹ Max	Test Method Available	Max 6 X 10 ⁻⁶ K ⁻¹ Max	IS 13630 Part 4/ ISO 10545-8
Thermal Shock Resistance	10 Cycle Min	Required	10 Cycle Passed	IS 13630 Part 5/ISO-10545-9
Crazing Resistance	4 Cycle @ 7.5 bar Min	N.A	N.A	IS 13630 Part 9/ISO 10545-11
Imapct Resistance as Co-efficient of Restitution (COR)	0.55 Min	Test Method Available	0.75-0.95	IS 13630 Part 14/ISO 10545-5
Deep Abrastion Resistance	140,Max	Max.175	Max.100	IS 13630 PART 12/ISO 10454-6
Frost Resistance	Required	Required	100 Cycle Passed	IS 13630 Part 10/ISO 10545-12
Chemical Resistance (Unglazed Tiles)				
Stain Resistance	Min Class 2	Manufacturer to State The Class	Min Class 2(For, Non Nano not applicable)	IS 13630 Part 8/ISO 10545-14
Resistance to Household chemicals	Min Class AA	Min Class UB	Min Class AA	IS 13630 Part 7/ISO 10545-13
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if Agreed	Test Method Available	Min Class A	

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