IS:15622:2006
CM/L 9829610

Chosen by the Indian Consumer
POWER BRAND
2010-2011

VITRO

SOMANY
Tiles | Bathware

ZAMEEN SE JUDEY



SOMANY

Somany Ceramics Limited : Noida: F-36, Sector-6; Ph.: 0120-4627900.
Ahmedabad: Office no. 7-14, 4th Floor, Aggarwal Mall, Opp. Sola Bhagwat Vidyapeeth, S.G. Road, Sola, Ph.: 079-66042500 to 599
Registered office: 2, Red Cross Place, Kolkata - 700001; Ph.(033) 22487406/5913
www.somanyceramics.com I e-mail **marketing@somanyceramics.com**

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

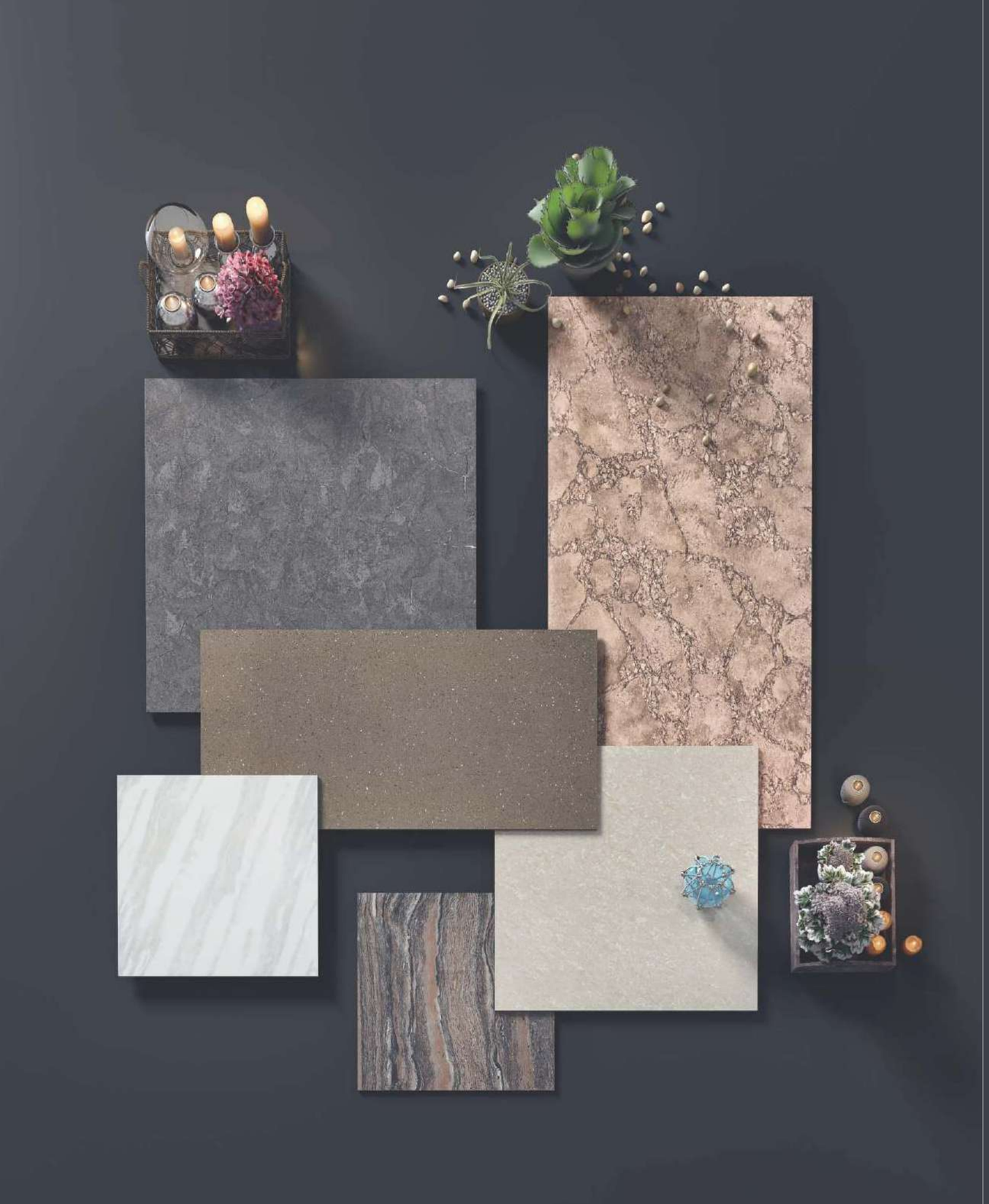
1000x1000mm | 800x1600mm | 600x1200mm
800x800mm | 600x600mm | 605x605mm

ULTRA CHARGE TECHNOLOGY

Powered by TWIN CHARGE PRINT TECHNOLOGY

VERVE

Soluble Salt



SOMANY
VITRO

INDEX

ULTRA CHARGE TECHNOLOGY

Powered by TWIN CHARGE PRINT TECHNOLOGY

VERVE

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

14 | 800x1600mm ULTRA CHARGE

26 | 600x1200mm ULTRA CHARGE, FULL BODY

46 | 800x800mm ULTRA CHARGE & FULL BODY

70 | 600x600mm ULTRA CHARGE

88 | 600x600mm TWIN CHARGE & VERVE

96 | 605x605mm SOLUBLE SALT

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

ULTRA CHARGE TECHNOLOGY

ARDOR MOON

ARDOR MOON — Random Pattern



ARDOR PLUTO — Random Pattern

1000 X 1000MM



ARDOR EARTH — Random Pattern

ARIOSO WHITE — Random Pattern

1000 X 1000MM

1000 X 1000MM

BUONA BIANCO
Random Pattern

PERSONA SNOW
Random Pattern

1000 X 1000MM

PERSONA PEARL
Random Pattern

RITZ

1000 X 1000MM

STERLING WHITE

ZOYA WHITE

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

ULTRA CHARGE TECHNOLOGY

MARTA WHITE

800 X 1600MM



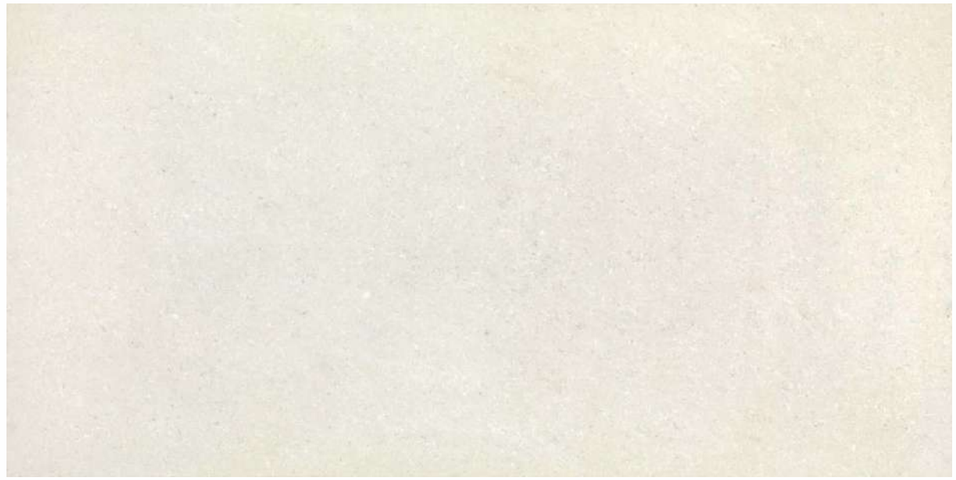
MARTA BROWN

Random Pattern

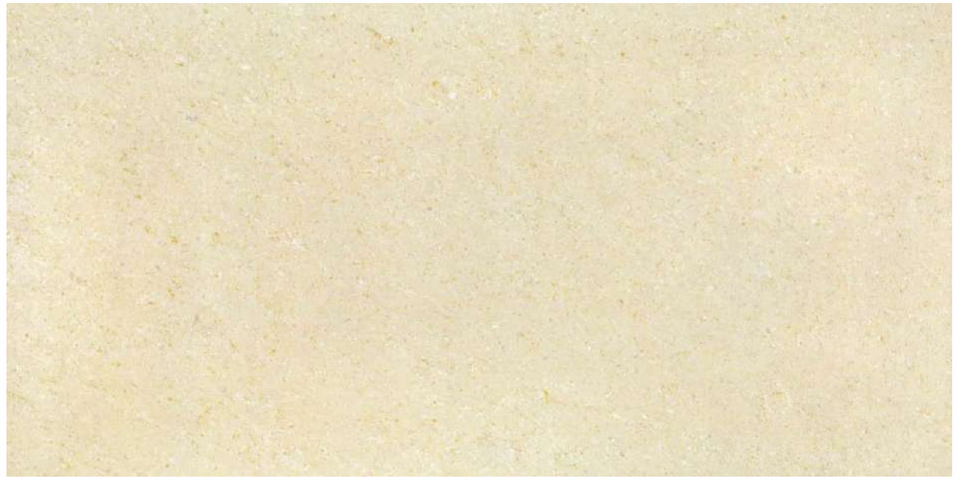
MARTA WHITE

Random Pattern

800 X 1600MM



NICHOLAS WHITE



NICHOLAS CREMA



NICHOLAS GRES

800 X 1600MM



STESSO CREMA

Random Pattern



STESSO ULTRA WHITE

Random Pattern

800 X 1600MM



STESSO MERCURY

Random Pattern

ULTRA CHARGE TECHNOLOGY

STESSO ULTRA WHITE
STESSO MERCURY

800 X 1600MM



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

ULTRA CHARGE TECHNOLOGY

MAGNUS WHITE

ULTRA CHARGE TECHNOLOGY

ULTRA CHARGE VITRIFIED TILES | 600 x 1200 MM

600 X 1200MM

NEW



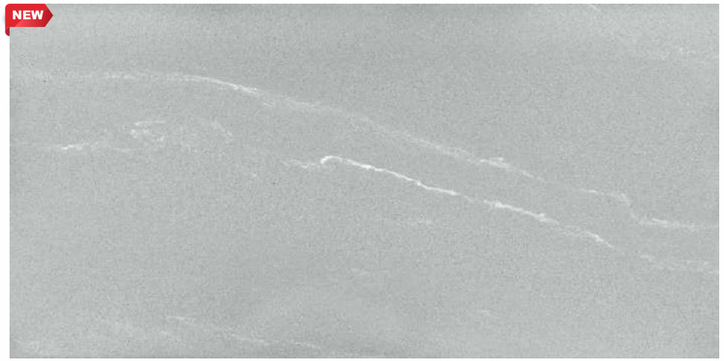
ALICANTE CREMA

NEW



DESERT BEIGE

NEW



DESERT GREY

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

SOMANY VITRO

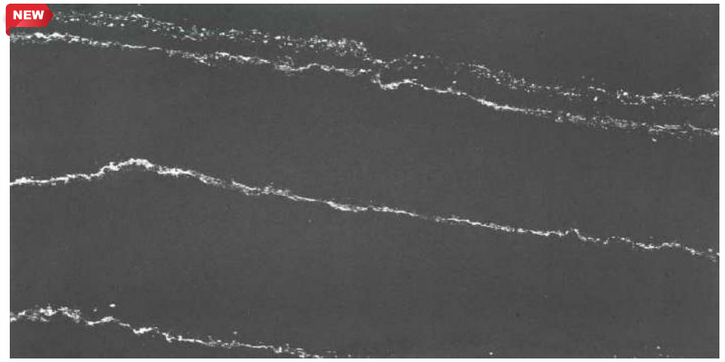
600 X 1200MM



MAGNUS SLATE GREY

MAGNUS WHITE

NEW



MEJESTIC NERO

ULTRA CHARGE TECHNOLOGY

ULTRA CHARGE VITRIFIED TILES | 600 x 1200 MM

600 X 1200MM

NEW



ONYX PEARL

NEW



PERLATO BEIGE

NEW



PERLATO GREEN

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

SOMANY VITRO

600 X 1200MM

NEW



STATUARIO PEARL

NEW



SERPENGENTA NERO



ONYX PEARL

600 X 1200MM



PRIME COTTA GREEN MATT



PRIME GRAPHITE MATT

PRIME MILKY WHITE MATT

600 X 1200MM

PRIME SNOW WHITE MATT



PRIME STEEL GREY MATT

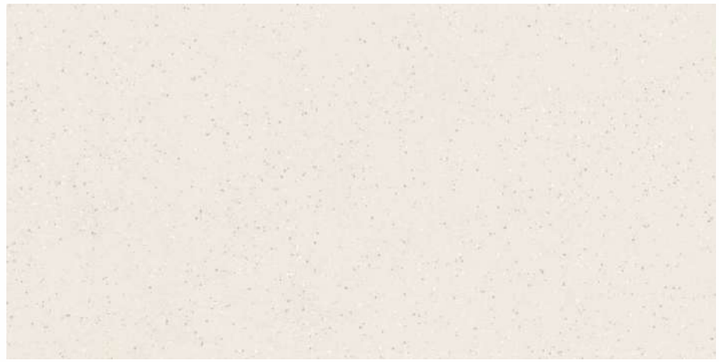


PRIME VERDE MATT

600 X 1200MM



TRENTO CREMA MATT — Random Pattern

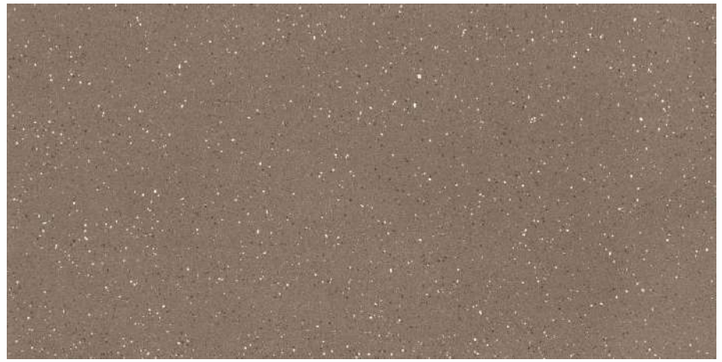


TRENTO CREMA GLOSSY — Random Pattern



TRENTO BROWN MATT — Random Pattern

600 X 1200MM



TRENTO BROWN GLOSSY — Random Pattern



TRENTO GREY MATT — Random Pattern



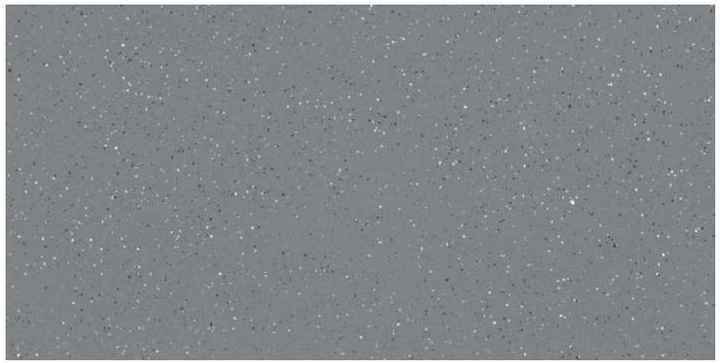
TRENTO GREY GLOSSY — Random Pattern

ULTRA CHARGE TECHNOLOGY

TRENTO BROWN MATT
TRENTO BROWN GLOSSY

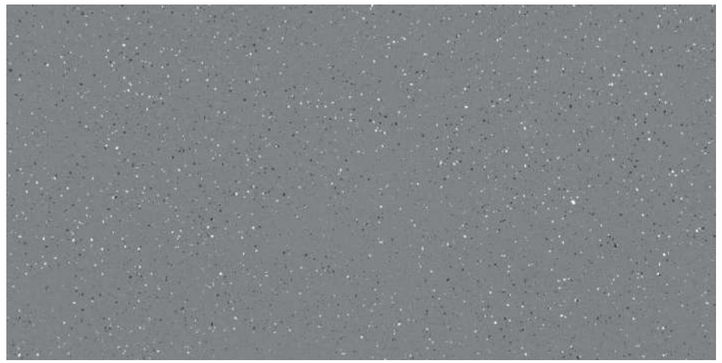


600 X 1200MM



TRENTO NERO MATT

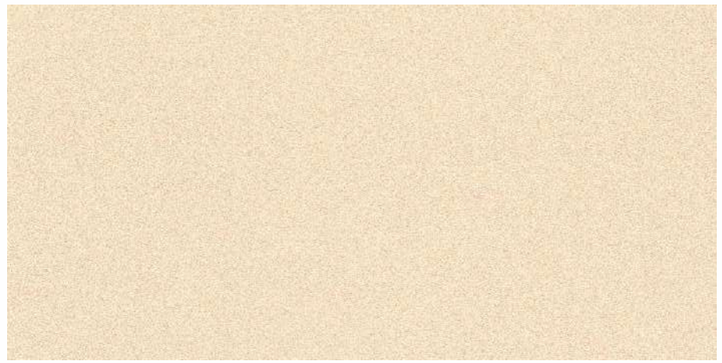
Random Pattern



TRENTO NERO GLOSSY

Random Pattern

600 X 1200MM



LARGO TECHSTONE CREMA

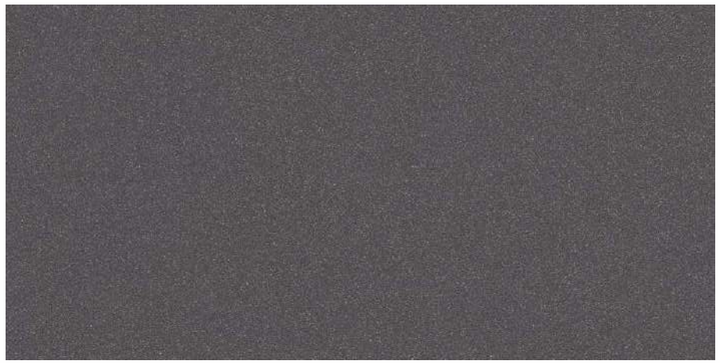


LARGO TECHSTONE BLANCO

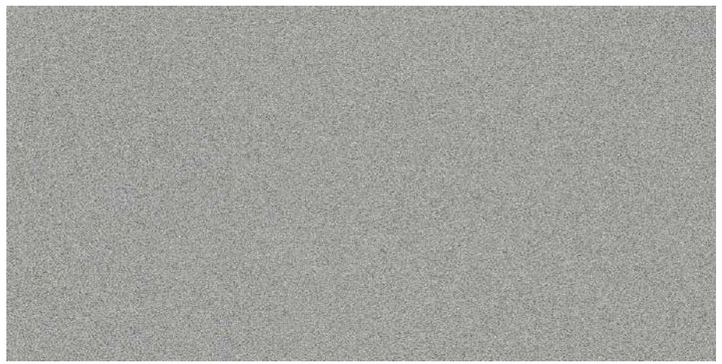
ULTRA CHARGE TECHNOLOGY

FULL BODY
VITRIFIED TILES | 600 x 1200 MM

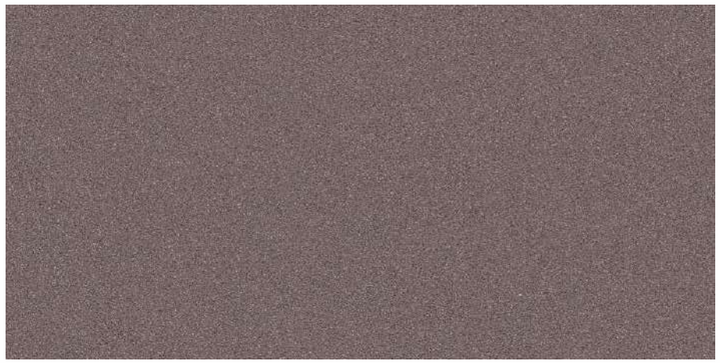
600 X 1200MM



LARGO TECHSTONE ANTRACITA



LARGO TECHSTONE GRIS



LARGO TECHSTONE MAROON



LARGO TECHSTONE MAROON

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

ULTRA CHARGE TECHNOLOGY

MIRAGE GREY

800 X 800 MM

NEW



MIRAGE BEIGE — Random Pattern

NEW



MIRAGE BIANCO — Random Pattern

NEW



MIRAGE BROWN — Random Pattern

NEW



MIRAGE BRUNETT — Random Pattern

800 X 800 MM

NEW



MIRAGE GREY — Random Pattern

NEW



MIRAGE OCEAN — Random Pattern

NEW



EUPHORIA AMBER — Random Pattern

NEW



EUPHORIA GLACIER WHITE — Random Pattern

800 X 800 MM

NEW



EUPHORIA NATURAL — Random Pattern

NEW



EUPHORIA NERO — Random Pattern

NEW



OPULENCE BIANCO — Random Pattern

NEW



OPULENCE GRIS — Random Pattern

800 X 800 MM

NEW



OPULENCE LIGHT ROSA — Random Pattern

NEW



OPULENCE SAGE — Random Pattern



TRIBECA GOLD

TRIBECA WHITE

ULTRA CHARGE TECHNOLOGY

EUPHORIA NATURAL

800 X 800MM

BERLINETTA WHITE

CABRIO WHITE



CABRIO BEIGE

ESCALADE

800 X 800MM



EVOQUE



HAZE GREY

MILKY WHITE

MILTON BIANCO

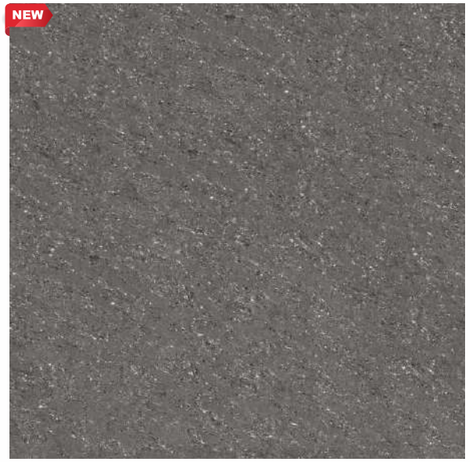
800 X 800 MM

NEW



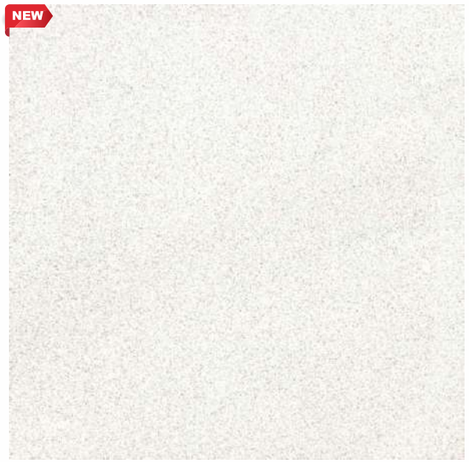
NEBULA BIANCO

NEW



NEBULA GRIS

NEW



S&P-GREY

Random Pattern



STALLION BLACK

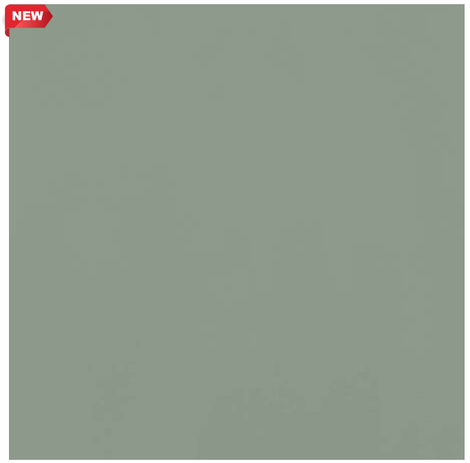
800 X 800 MM

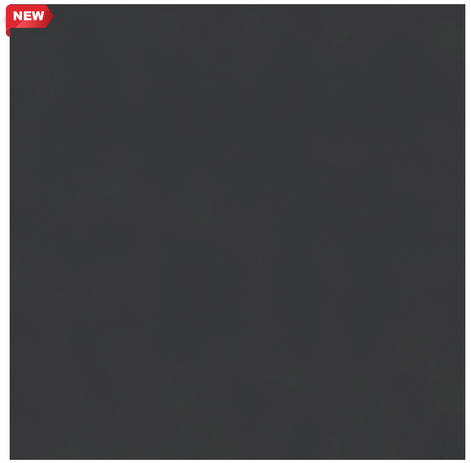


TUSCAN BEIGE

STALLION BLACK

800 X 800MM


NEXA COTTA GREEN MATT


NEXA GRAPHITE MATT


NEXA MILKY WHITE MATT


NEXA SNOW WHITE MATT

800 X 800MM


NEXA STEEL GREY MATT


NEXA VERDE MATT


NEXA CHERRY MATT S & P MATT


NEXA CHERRY POLISH S & P POLISH

800MM X 800MM



NEXA COFFEE MATT — S & P MATT



NEXA COFFEE POLISH — S & P POLISH

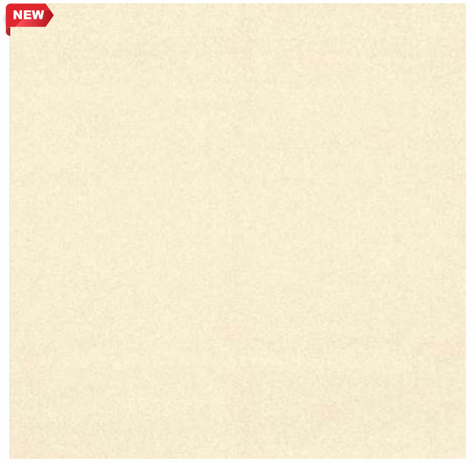


NEXA CREMA MATT — S & P MATT

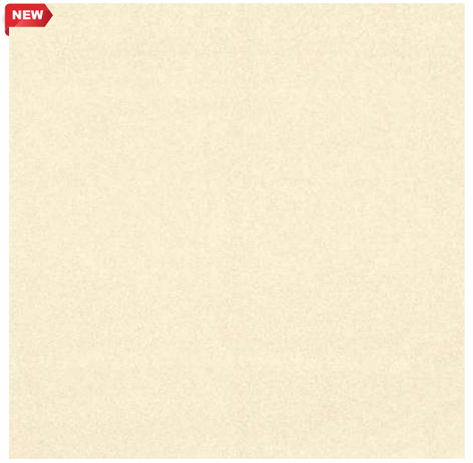


NEXA CREMA POLISH — S & P POLISH

800MM X 800MM



NEXA GOLD MATT — S & P MATT



NEXA GOLD POLISH — S & P POLISH



NEXA GREY MATT — S & P MATT



NEXA GREY POLISH — S & P POLISH

ULTRA CHARGE TECHNOLOGY

NEXA GREY POLISH
NEXA GREY MATT

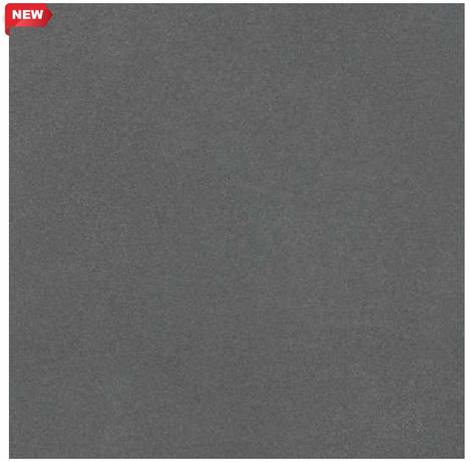
800 X 800MM



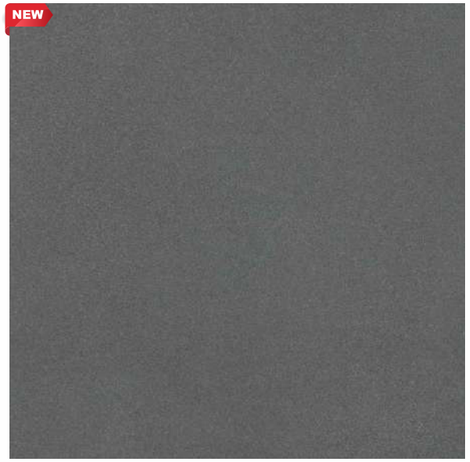
NEXA MINT MATT — S & P MATT



NEXA MINT POLISH — S & P POLISH

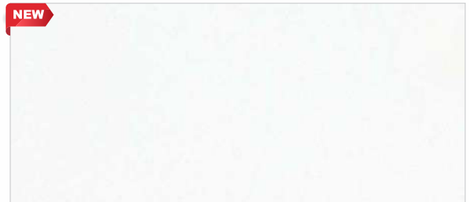


NEXA NERO MATT — S & P MATT

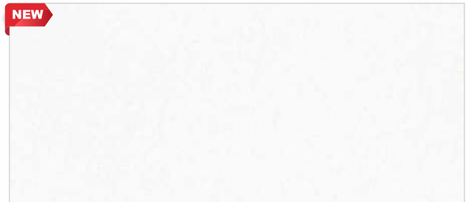


NEXA NERO POLISH — S & P POLISH

800 X 800MM



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...

NANO TECH | ANTI STAIN | HIGHLY DURABLE | ECO FRIENDLY | GLOSS FINISH | MATT FINISH

DACIA IVORY

ULTRA CHARGE TECHNOLOGY

ULTRA CHARGE VITRIFIED TILES | 600 x 600 MM

600 X 600 MM

BERLINETTA WHITE

CROWN MINT

CROWN SNOW

CROWN WHITE

NEW



DACIA BONE



DACIA BROWN

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

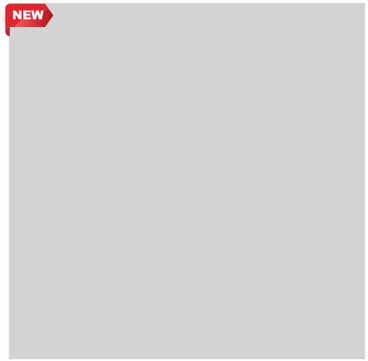
SOMANY VITRO

600 X 600 MM



DACIA GREEN

NEW



DACIA GREY

NEW



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

ULTRA CHARGE TECHNOLOGY

NUVARO BIANCO

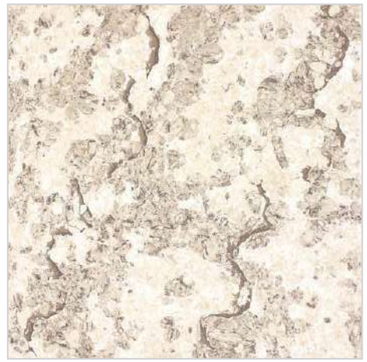
600 X 600 MM



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

NEW



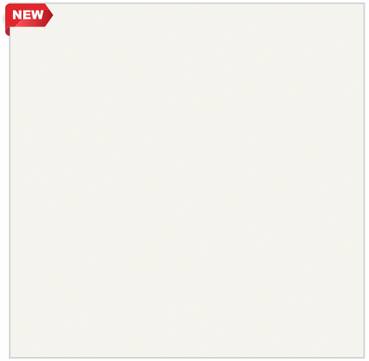
NEXA BROWN MATT

NEW



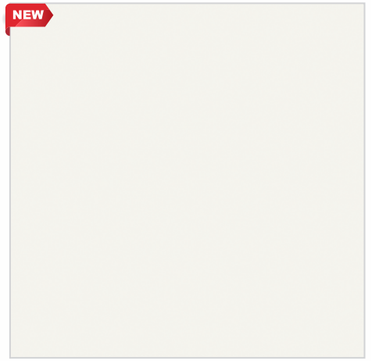
NEXA BROWN POLISH

NEW



NEXA MILKY WHITE MATT

NEW



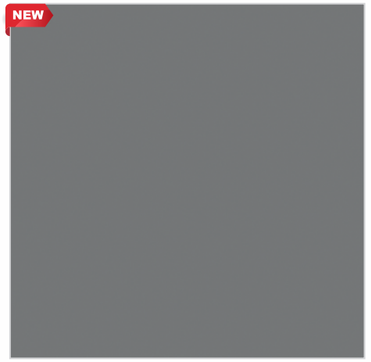
NEXA MILKY WHITE POLISH

NEW



NEXA STEEL GREY MATT

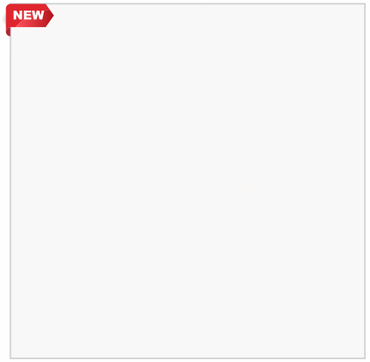
NEW



NEXA STEEL GREY POLISH

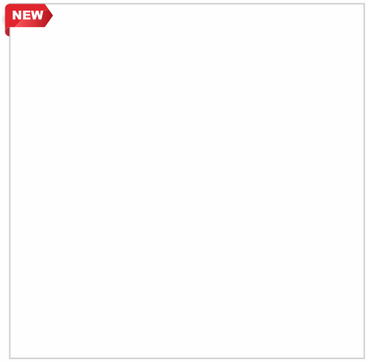
600 X 600 MM

NEW



NEXA SNOW WHITE MATT

NEW



NEXA SNOW WHITE POLISH

NEW



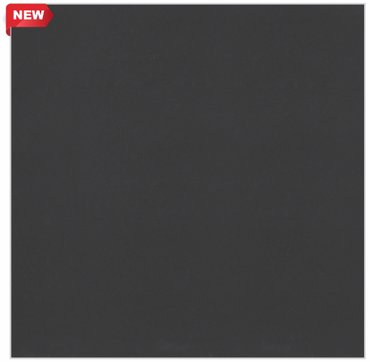
NEXA VERDE MATT

NEW



NEXA VERDE POLISH

NEW



NEXA GRAPHITE MATT

ULTRA CHARGE TECHNOLOGY

NEXA VERDE POLISH

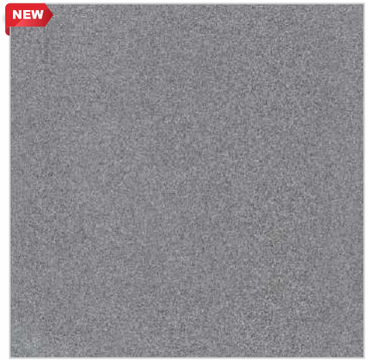
600 X 600MM



NEXA S&P BEIGE POLISH



NEXA S&P CREMA POLISH



NEXA S&P GREY POLISH

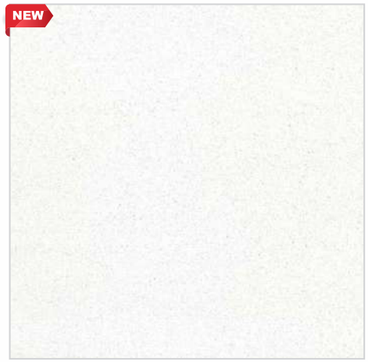


NEXA S&P MIST POLISH

600 X 600MM



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...

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

600 X 600 MM

BRITANY

CHERYL

HALEY

LINETTE

600 X 600 MM

MELODY

NAOMI

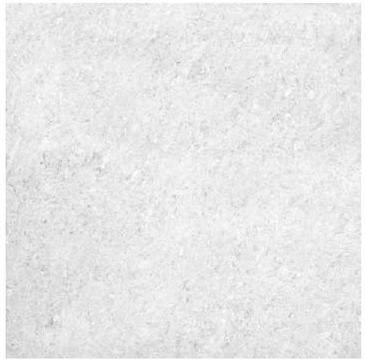
UDELE

ZELENA

Powered by
TWIN CHARGE
PRINT TECHNOLOGY

600 X 600MM

SOVRANO BIANCO — Ultra Charge



SOVRANO GREY — Ultra Charge

SOVRANO SILVER — Ultra Charge

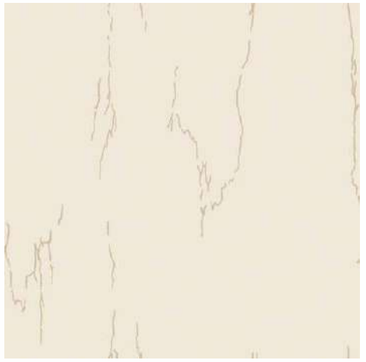
600 X 600MM

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

HIGHLY DURABLE · ECO FRIENDLY · GLOSS FINISH

SOMANY VITRO

605 X 605MM



NANO LIVA Nanovated

NANO AQUILA Nanovated



NANO TESLA Nanovated



NANO SPADA Nanovated

NANO NASH Nanovated

NANO NEXA Nanovated

NANO OASIS Nanovated

NANO SPLASH Nanovated





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.



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.



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.



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.



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.



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.



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.



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.



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.



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.

SOMANY VITRO

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%	
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.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^{0} 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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Complaints will not be entertained for Borders, Highlighters & Motifs.

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 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	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 millimetere3	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	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/mm2]	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/mm2]	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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