

TECHNICAL SPECIFICATION

Sr. No.	Tests	Test Result	Test Method	Requirements IS:15622/2017 Group Bla
(A) Dimensions and surface quality (Clause-6) (Table No-9)				
01	Length and width			
02	The deviation in percent of the average size of each tile (2 or 4 sides) From the work size (W)	0.017	IS:13630(P-1)-2006	Un-rectified N _s 20cm:±0.6 N>20cm:±0.4 Rectified N _s 20cm:±0.3 N>20cm:±0.1
03	The deviation in percent of the average size of each tile (2 or 4 sides) from the average size of the 10 test specimen (20 or 40 sides)	+ 0.02500 -0.01666	IS:13630(P-1)-2006	Un-rectified N _s 20cm:±0.5 N>20cm:±0.4 Rectified N _s 20cm:±0.2 N>20cm:±0.1
04	Thickness The deviation in percent of the average thickness of each tiles from the work size thickness	-0.22	IS:13630(P-1)-2006	N _s 20cm:±10 N>20cm:±5
05	Straightness of sides The maximum deviation from straightness, in % related to the corresponding works sizes	+0.035 -0.030	IS:13630(P-1)-2006	Un-rectified N _s 20cm:±0.5 N>20cm:±0.3 Rectified N _s 20cm:±0.3 N>20cm:±0.1
06	Rectangularity The maximum deviation from rectangularity in % related to the corresponding work sizes	+0.032 -0.023	IS:13630(P-1)-2006	Un-rectified N _s 20cm:±0.6 N>20cm:±0.3 Rectified N _s 20cm:±0.3 N>20cm:±0.1
07	Surface quality	>95	IS:13630(P-1)-2006	Minimum 95% of tiles shall be free from visible defects that would impair the appearance of a major area of tiles.
08	Surface Flatness The maximum deviation from flatness in %		IS:13630(P-1)-2006	
09	Center curvature, related to diagonal calculated from the work size	+0.022 -0.018		N _s 20cm:±0.75 N>20cm:±0.5
10	Edge curvature, related to the corresponding works sizes	+0.035 -0.030		N _s 20cm:±0.75 N>20cm:±0.5
11	War page, related to diagonal calculated from the work size	+0.020 -0.016		N _s 20cm:±0.75 N>20cm:±0.5
(B) Physical Properties (Clause-6)(Table No-9)				
01	Water Absorption, (% by wt) Average	0.033, 0.025, 0.024 0.024, 0.033, 0.028	IS:13630(P-2)-2006	Individual 0.1, Max Average ≤ 0.08
02	Modulus of ruptures, (N/mm) Average	36.1, 37.4, 36.7, 35.6 36.9 36.5	IS:13630(P-2)-2006	Individual 32, Min Average 35
03	Scratch hardness of surface, (Mhos)	6	IS:13630(P-13)-2006	5, Min
04	Thermal shock resistance	Passes the test	IS:13630(P-5)-2006	10 Cycles, Min
05	Breaking Strength (N)	2441	IS:13630(P-6)-2006	700, minimum for thickness < 7.5mm 1300, minimum for thickness > 7.5mm
06	Co-efficient of linear thermal expansion from ambient temperature to 100°C (K ⁻¹)	0.0x10 ⁻⁶	IS:13630(P-4)-2006	6x10 ⁻⁶ , max
07	Moisture expansion, in mm/m	0.0	IS:13630(P-3)-2006	0.02, Max
08	Impact resistance coefficient of restitution	0.93	IS:13630(P-14)-2006	0.55, Min
09	Resistance to deep abrasion of unglazed tiles, volume of material removed in cubic millimeter (Applicable for floor application only)	74	IS:13630(P-12)-2006	140, Max
10	Bulk density, in g/cc	2.28	IS:13630(P-2)-2006	2.2 Min
11	Frost resistance	Not show any damage on proper surface and edges of the tiles after 50 cycles Passes the test	IS : 13630 (P-10)-2006	
(B) Chemical properties (Clause-6)(Table No-9)				
01	Resistance to staining	Passes the test class-2	IS : 13630 (P-8)-2006	Glazed tiles class 1, min Unglazed tiles class 2, min

PACKING DETAILS

Sr. No	Size(mm)	No of tiles per box	Coverage area per box
01	600x600 mm	4 Pcs.	1.44 sq. mtr.

Vitrified tiles have resistance to most of the stains / chemicals but it is recommended to take due care while laying and for day today maintenance

The reproduction of tiles in this catalogue is restricted to four colour printing only and tiles are not relative sizes. Conforming to ISO requirements, technical specifications for Naveen tiles are applicable only for '1' quality tiles. please inspect all tiles prior to installation; company will not entertain complaints, once tiles are laid / fixed. Price category & PEI grade may change without any notice. Customers are advised to confirm it before placing order.



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NANO VITRIFIED TILES



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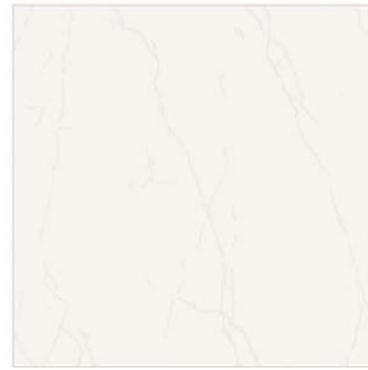
MURUDESHWAR
CERAMICS LTD.



6000 PEARL WHITE



6981 MERCURY



7728 ESPERIA



6279 SOLARIS



7314 TIMBER LINE



7611 GLASSGOW



7620 CARICO



7629 PETAL



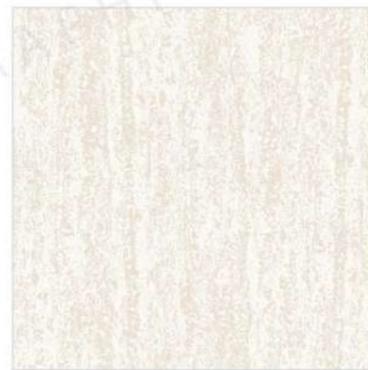
6792 MARTINO



7602 VEDANTH



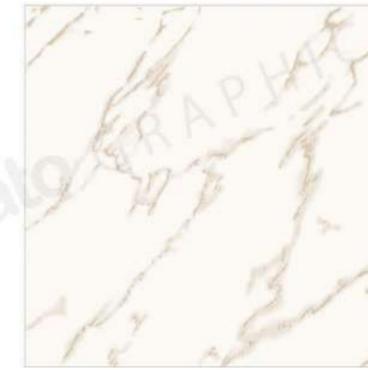
7692 BELINELA



7665 TINOPRA



7719 SANBIEGE REMO



7701 LOTISA



7710 VENDERK



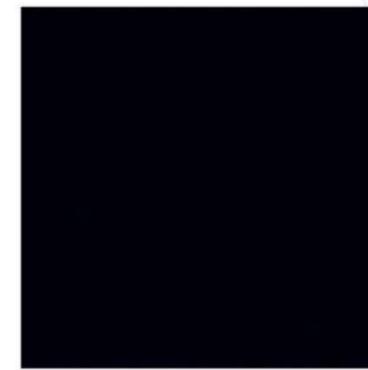
6558 DOLPHIN



7791 EMBASSY SUP GLOSY



7674 SANBIEGE REMO



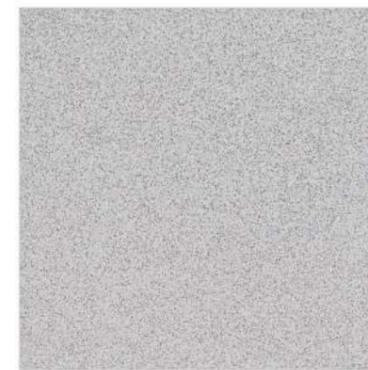
123 BLACK PLAIN



8970 AJMER ORANGE



222 TERRACOTTA



3930 GREY GRANITE



3300 SUPER WHITE GRANITE



510 GREY PLAIN

SATIN FINISH SERIES
600x600mm



6000 PEARL WHITE



7602 VEDANTH



7611 GLASSGOW



7665 TINOPRA



7701 LOTISA



7710 VENDERK



7719 SANBIEGE REMO



7629 PETAL



609 LIGHT GREY

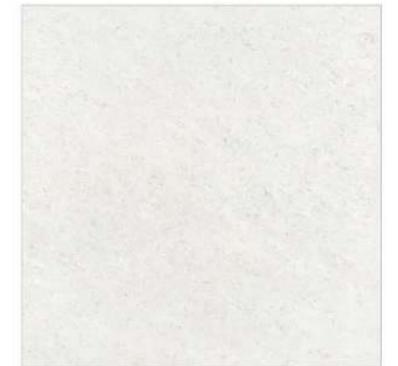
DOUBLE CHARGED SERIES
600x600mm



5082 GRAND PEARL



5091 GRAND CREMA



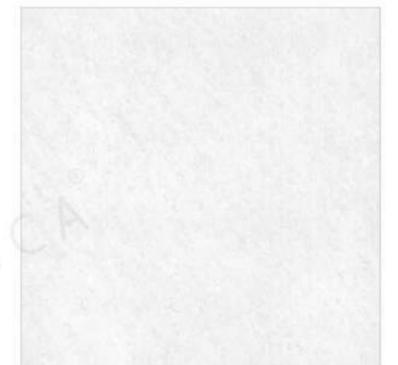
5100 GRAND SILVER



GRAND PINK



MATRIX GOLD



MATRIX WHITE



GRAND BRONZE



GRAND GALAXY



GRAND ALMOND



GRAND BLACK



GRAND RED

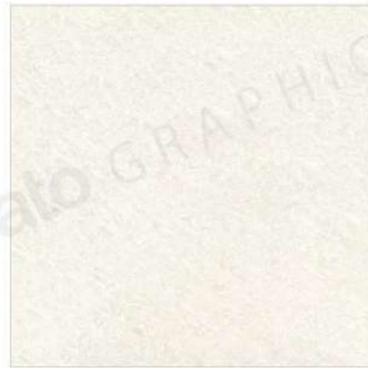


9069 ROYAL GREEN

DOUBLE CHARGED SERIES
800x800mm



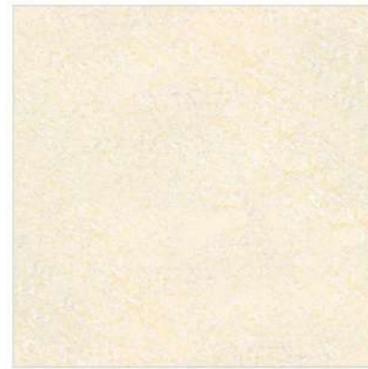
TR WHITE



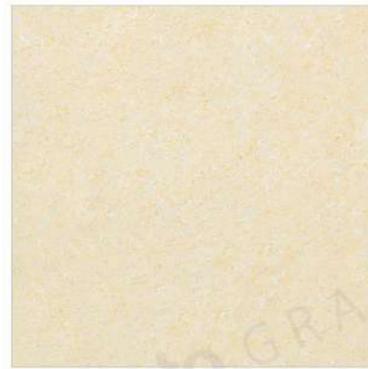
8700 TOSSO WHITE



LITY WHITE



8719 TOSSO-CORAL



8709 TOSSO-GOLD



PRIDE-GOLD



8772 PRIDE-CREMA



8745 TOSSO-ALMOND



8763 TOSSO-NEO-BLACK



8763 TOSSO SPARKLE BLACK



LILY CHOCO



LILY BLACK

PGVT SERIES
750x1500mm



7551 PRIMO TRAVERTINO
BEIGE-2



7533 NOVANA TRAVERTINE
BIANCO-1



7569 ELMA CREMA-1



7524 DYNA WHEAT-3



7542 BRECCIA CAMBRIA-1



7515 BOTTICINO ANTICATO-1



7560 APUANE SATUARIO-1



BRECCIA AURORA GOLD-1



JURA BEIGE-1



SPRING SILVER-1

750x1500mm
600x1200mm

HIGH GLOSSY



SAINT LAURENT-1



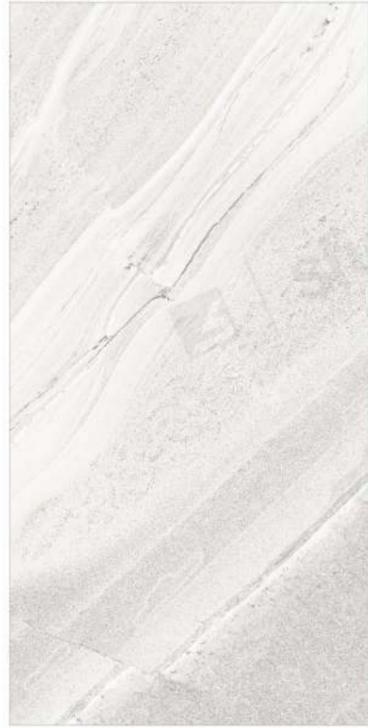
7578 BRICOLA WOOD-3



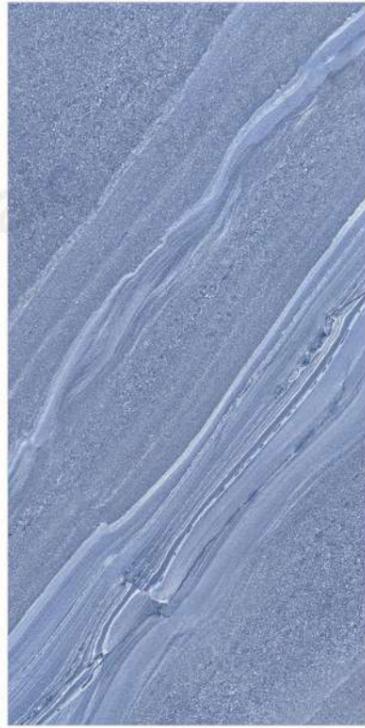
7587 MONTREAL BEIGE-1



7596 MONTREAL BROWN-1



3354 OCEAN IVORY



3345 OCEAN NERO



3365 ORDITO GREY



BRECCIA AURORA GOLD-2



ELMA CREMA-1

GVT SERIES



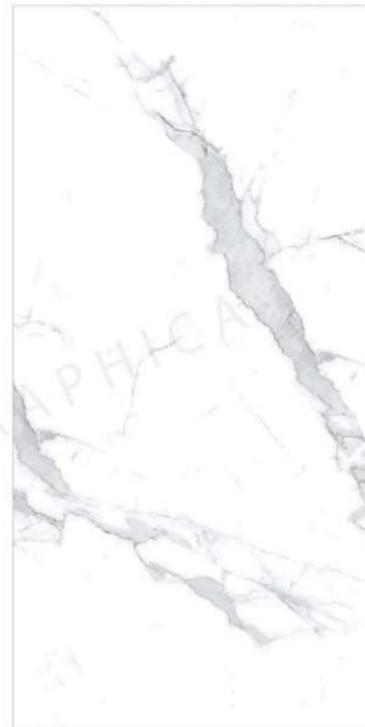
3408 MEPAL WOOD BROWN



3381 TRAVENTINE BEIGE



3372 ZENON GREY



APUANE SATUARIO-2



3417 MEPAL WOOD CHOCO



3399 NOSTA WOOD ALMOND



3390 SYNO BROWN



4209 VIVAAN



4218 RIMINI



4227 TREVISO



4245 VEGA



4272 KRISBA



4200 PEARL WHITE



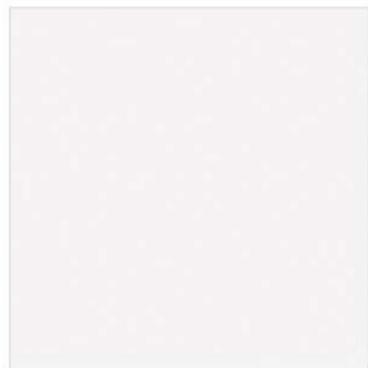
4236 LUCCA



4254 MIZAR



4308 CELESTE YELLOW



4020 WHITE - GVT



4155 VOLGA COPPER - GVT



4137 VOLGA IVORY - GVT



4326-X ANKARA GREY



4326-Y ANKARA GREY



4353 IONICA BLUE



4335-X BENISA BEIG



4335-Y BENISA BEIG



NEW
LAUNCHES





4119 VOLGA BLUE



4029 PARANA



4191 CINNAMON BEIGE



4074 FANTASIA



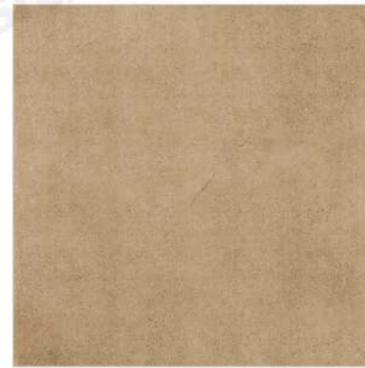
4038 HUGO



4047 ENZO



4164 RUSTY



4065 CEDRON



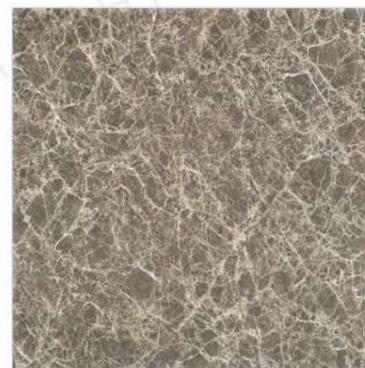
4056 IMOLA



4083 PALOMINO



4173 CINNAMON GREY



4182 CINNAMON BROWN



4506 CANARY WOOD



4515 AMPHORA BROWN



4524 TOPOLI WOOD



4533 BOCOTE WOOD



4542 COCOBOLO WOOD



4551 AZULA GREY



4560 OSAKA GREY

