

BUILT TO PERFECTION

800x800mm
600x600mm

DOUBLE CHARGE
VITRIFIED TILES



LAFFANS GRANITO PVT. LTD.

S. No. 279/P, Near Rangpar Village, At. Jivapar,
Jetpar Road, Morbi - 363 630, (Guj.) INDIA.

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www.laffansgranito.com



Laffans Granito Pvt. Ltd. is manufacturer of lucrative ceramic/vitrified tiles in India. It has an annual capacity of 5 mn. sq. meters in a plant located near Morbi in Gujarat.

Our motivating factor is to be the best and do the best for our customers located across the world. Our plants have state of art technology machineries which support us to perform the best. Since its inception Laffans Quality control department is very conscious for giving zero defect and zero tolerance in quality hence we have continuous and indomitable efforts in research and development of our products. Since its foundation we became synonyms of best customer service and the best quality. Professionally managed team for production with hard work and motivation provides optimized solutions to the market requirements.

Our Designing department gives aesthetic designs specially for our Indian market and also develops innovative patterns require in foreign markets. This is basic reason behind our market in India. Our tiles are available in a wide range of colours and textures used in airports, shopping malls, corporate houses, homes, offices etc. With an unparalleled commitment towards quality we have strived to adopt technologies and standards with the changing times.

We believe that it is our team work which will reach us on the apex of success in this ceramic industry.

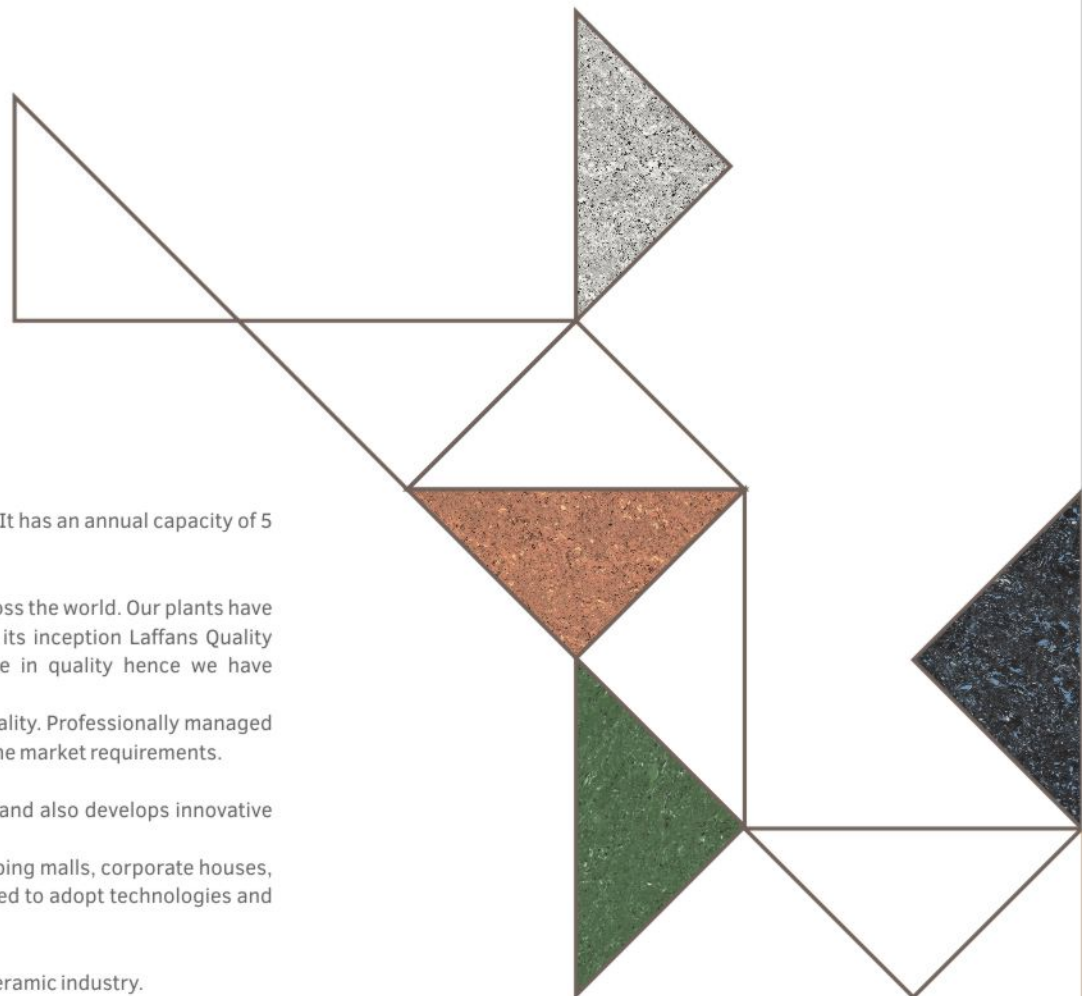
Our Vision And Mission

Our vision is to take of the high market belt and improve the quality of life of its users through the concept that the vitrified products is not a simple surface material, but a determining furnishing element for the aesthetic result of every environment.

Our Mission is Exceed the expectations of our valuable customer for quality of products and service and that customer satisfy over customer.

Quality Assurance

The company is very particular about quality. The company makes all efforts to provide its customers products with supreme quality. The company aims to become global leader, as such strives continuously to provide quality service in timely fashion and value for money to all its customers. The company continuously endeavors to achieve highest customer satisfaction by delivering what it promises and sometimes beyond what it promises.



BUILT TO PER FECTION

800x800mm | 600x600mm

DOUBLE CHARGE
VITRIFIED TILES



800
x
800
mm

DOUBLE CHARGE
VITRIFIED TILES



tiles shown: **Platinum Magestic & Crystal White**



tiles shown: **Platinum Bronze & Crystal Crema White**

800x
800mm

DOUBLE CHARGE
VITRIFIED TILES



Laying on floor



Polished \ Glossy



Frost Resistance

800x
800mm

DOUBLE
CHARGE
VITRIFIED
TILES



Laying on floor



Polished \ Glossy



Frost Resistance



tiles shown: **Platinum Marble**



tiles shown: **Platinum Ash**

800
x
800
mm

DOUBLE
CHARGE
VITRIFIED
TILES



Laying
on floor



Polished \
Glossy



Frost
Resistance



tiles shown: Crystal White

800x800mm | DOUBLE CHARGE VITRIFIED TILES | Laying on floor | Polished \ Glossy | Frost Resistance

tiles shown: Elision Gold



800x800mm

DOUBLE CHARGE VITRIFIED TILES

Laying on floor

Polished \ Glossy

Frost Resistance



tiles shown: **Ocean Red & Amazon White**

800x
800mm

DOUBLE
CHARGE
VITRIFIED
TILES



Laying on floor



Polished \ Glossy



Frost Resistance

800
x
800
mm

DOUBLE CHARGE
VITRIFIED TILES



Laying
on floor



Polished \
Glossy



Frost
Resistance

tiles shown: **Ocean Brown & Amazon Gold**



800 x 800 mm
DOUBLE CHARGE
VITRIFIED TILES



tiles shown: **Platinum Lava & Crystal Pink**



800x
800mm

DOUBLE
CHARGE
VITRIFIED
TILES



Laying on floor



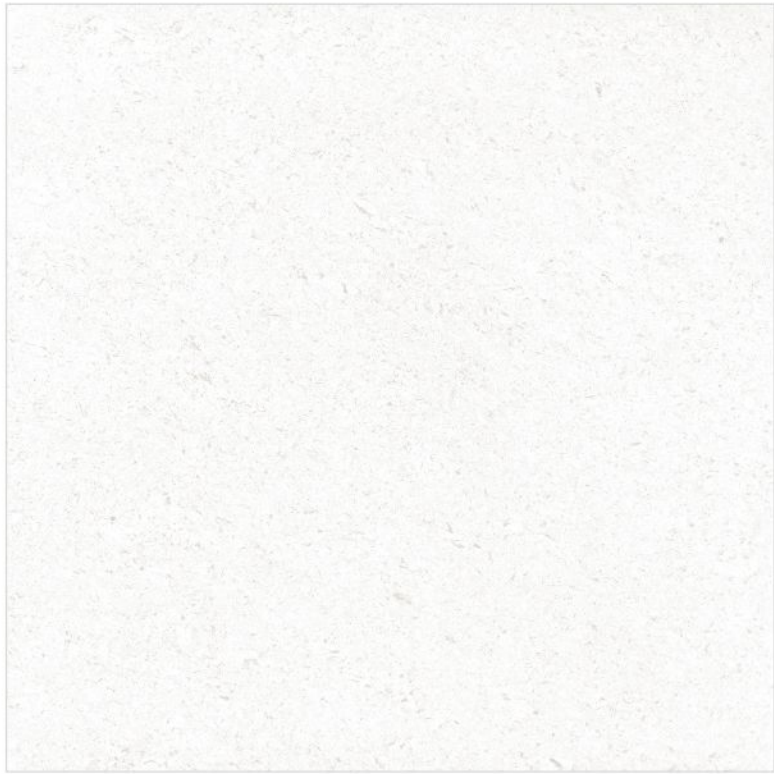
Polished \ Glossy



Frost Resistance



tiles shown: **Platinum Brown**



CRYSTAL WHITE



CRYSTAL CREMA WHITE



Laying on floor



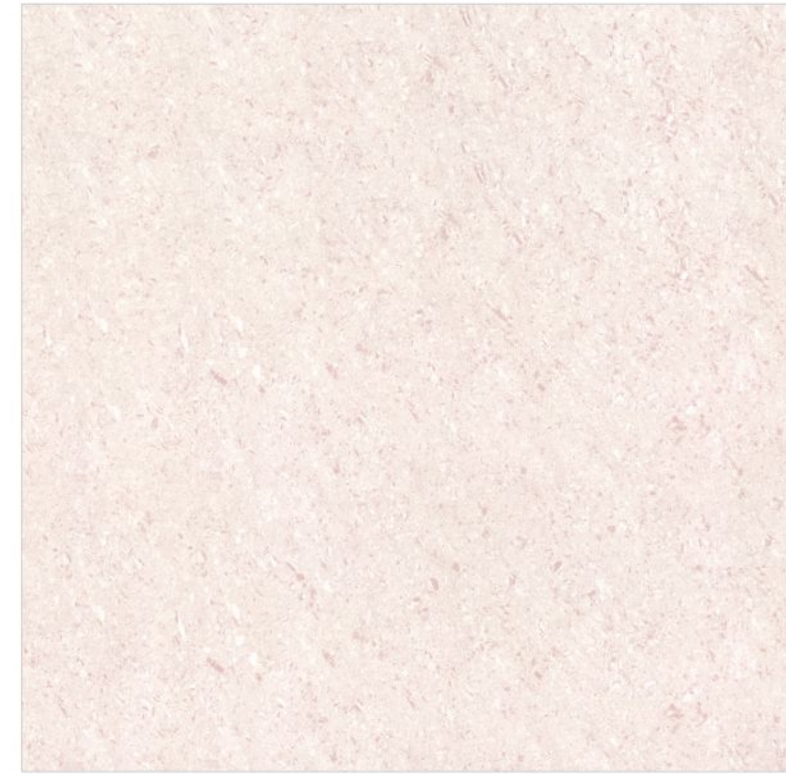
Polished \ Glossy



Frost Resistance



CRYSTAL GOLD



CRYSTAL PINK



Laying on floor



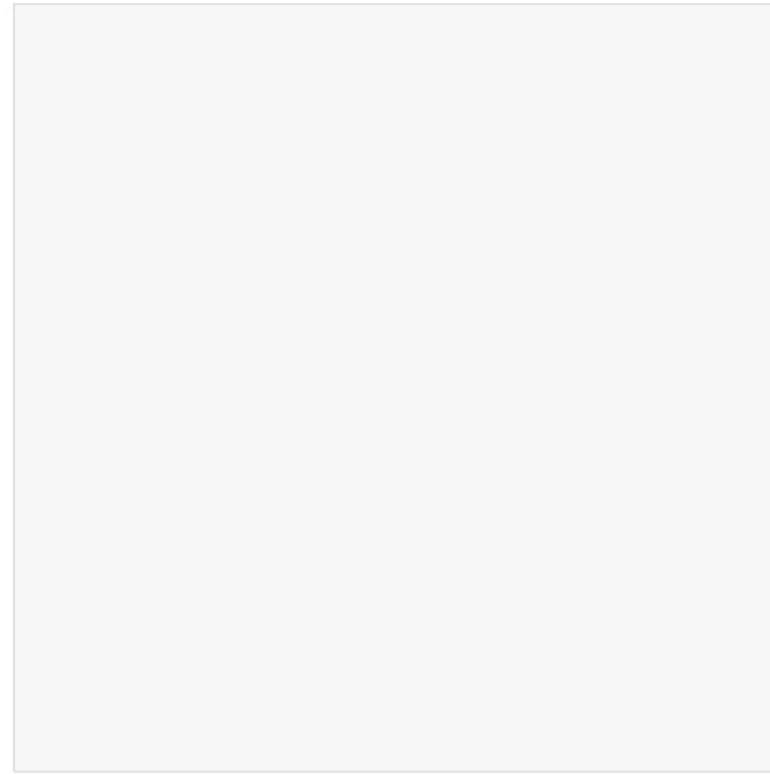
Polished \ Glossy



Frost Resistance



CRYSTAL GREEN



CRYSTAL ROMAN WHITE



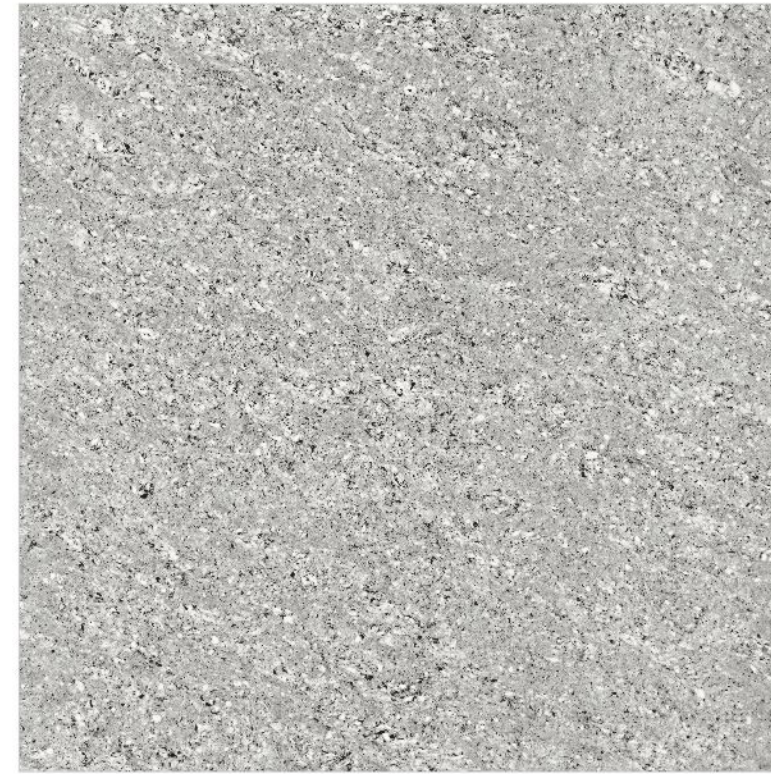
Laying on floor



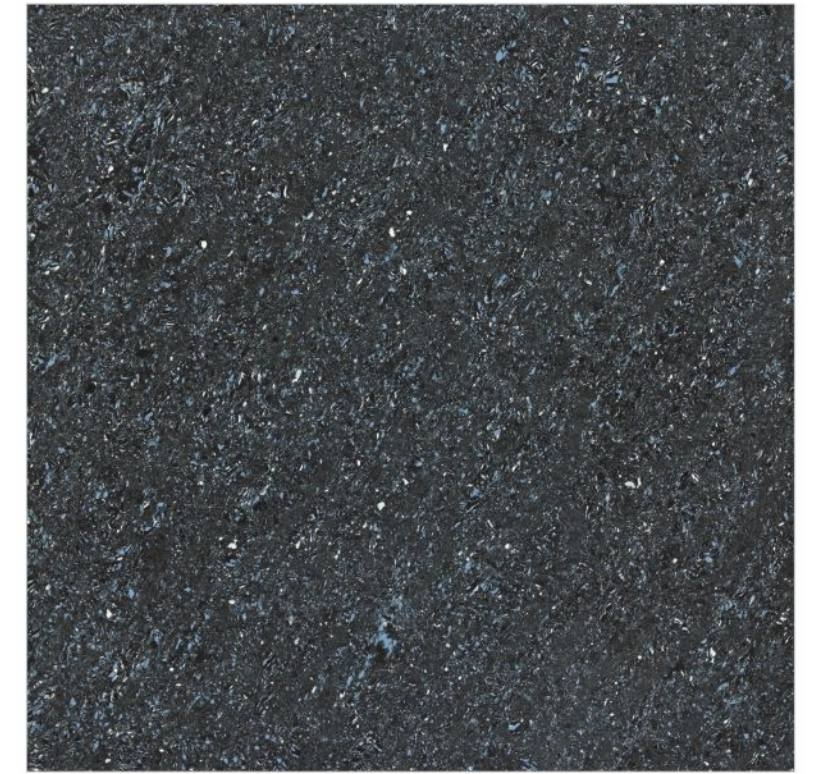
Polished \ Glossy



Frost Resistance



PLATINUM ASH



PLATINUM MAJESTIC



Laying on floor



Polished \ Glossy



Frost Resistance



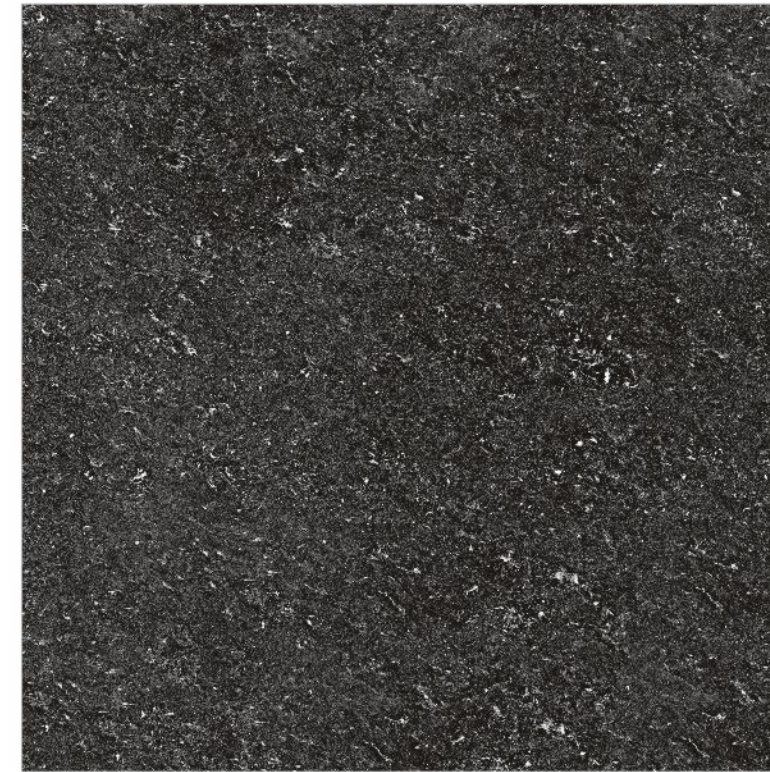
PLATINUM BRONZE



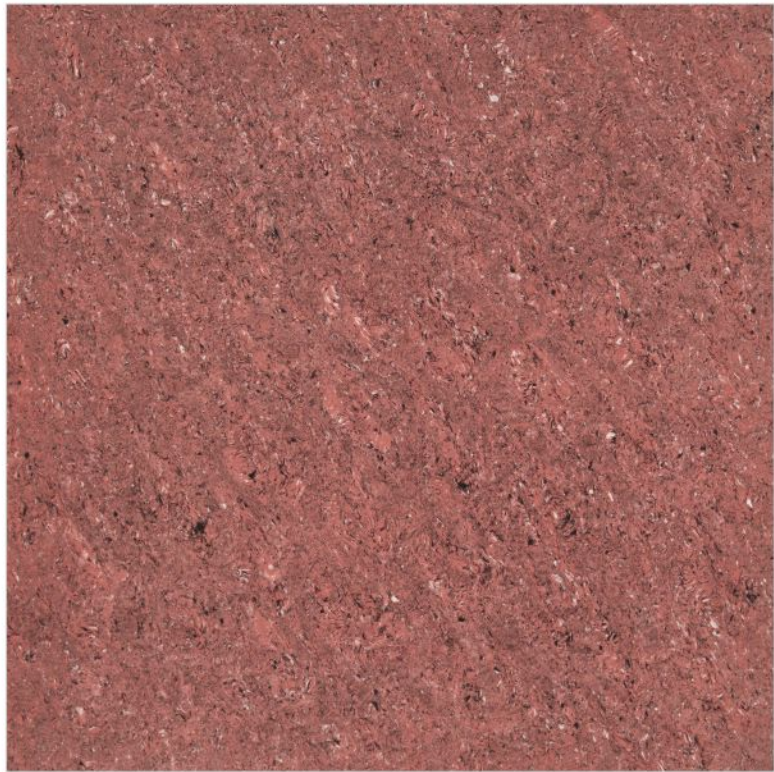
PLATINUM ALMOND



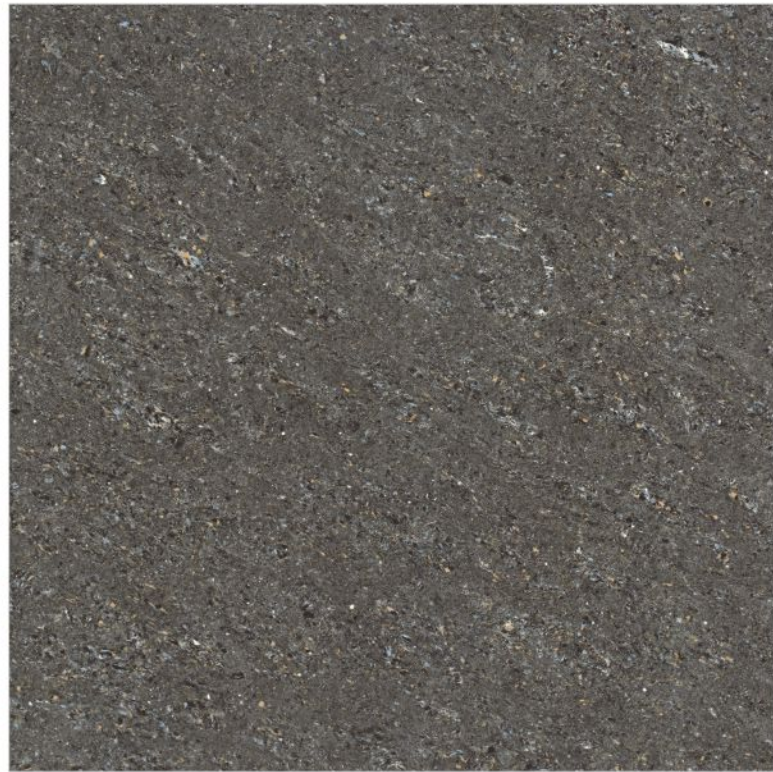
PLATINUM MARBLE



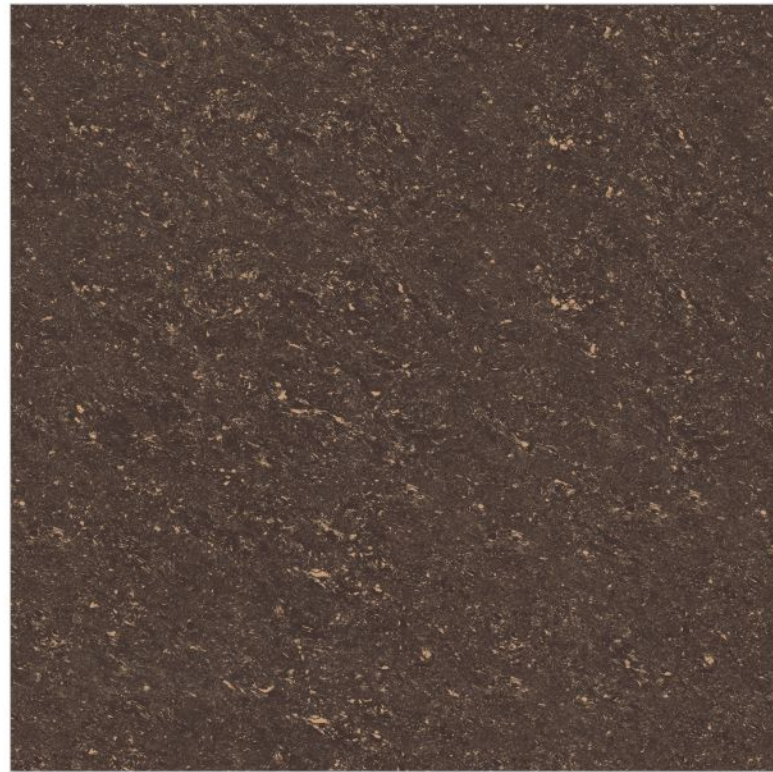
PLATINUM BLACK



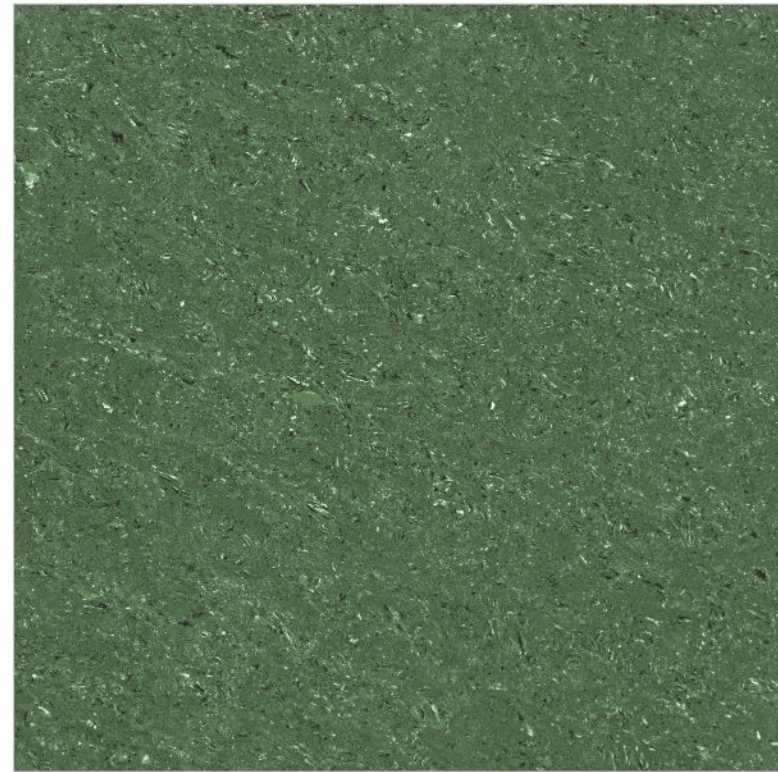
PLATINUM LAVA



PLATINUM GREY



PLATINUM BROWN



PLATINUM GREEN



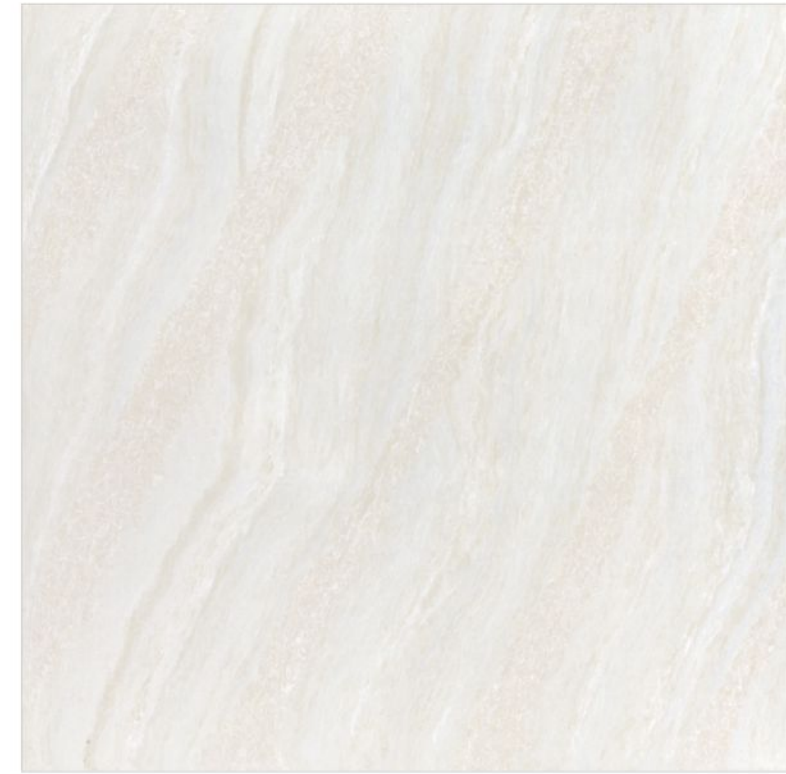
ELISION WHITE



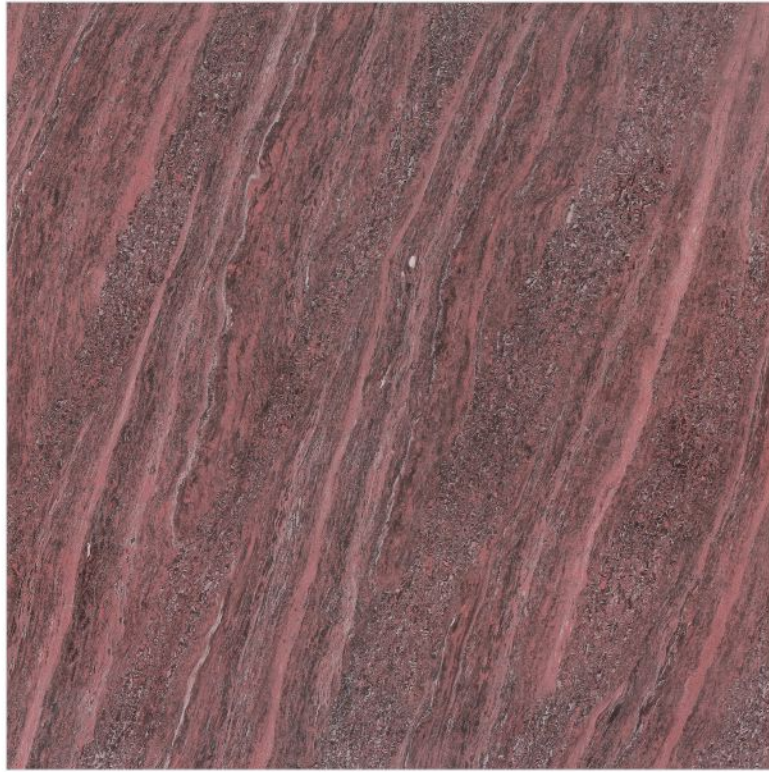
ELISION GOLD



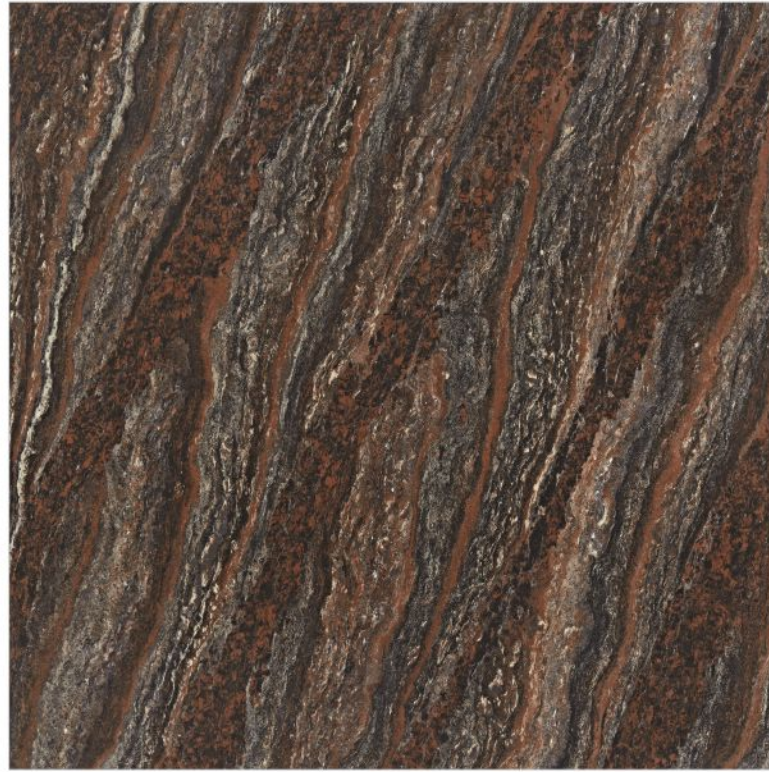
AMAZON WHITE



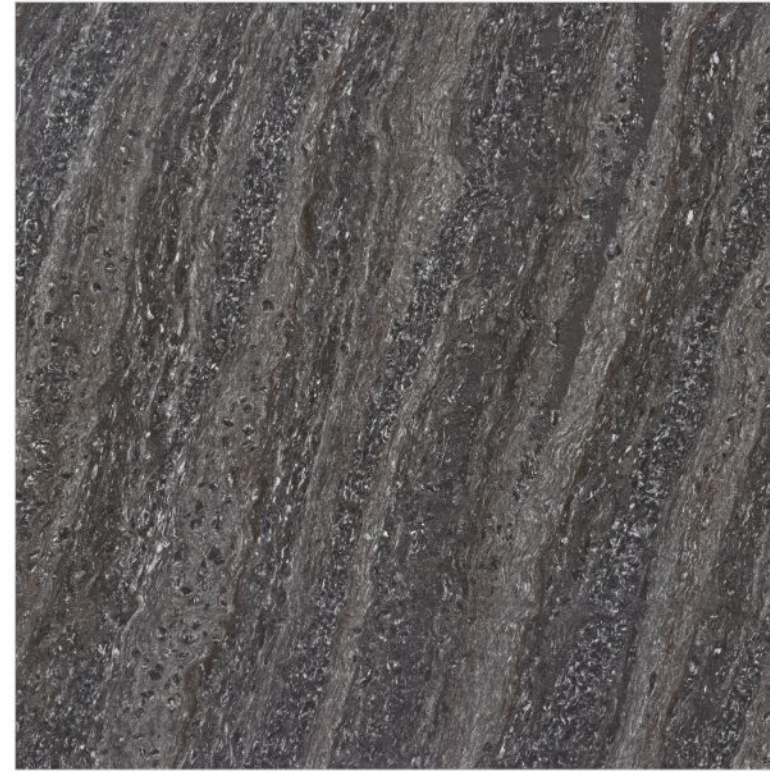
AMAZON GOLD



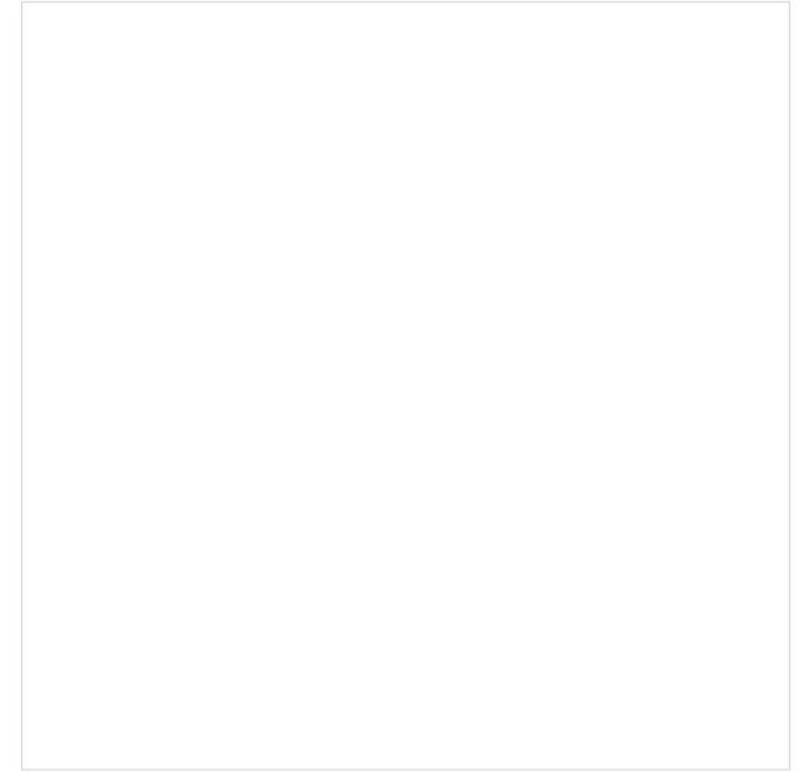
OCEAN RED



OCEAN BROWN



OCEAN BLACK



ALASKA WHITE

SOME GUIDANCE ABOUT COMMONLY AFFECTED STAINS

SR. NO.	SUBSTANCE	NANO TREATED SURFACE	REGULAR SURFACE
A. DOMESTIC AREA			
1.	Green Vegetable Stain	Wet Cotton Cloth	Mild Detergent
2.	Fruits Stain	Wet Cotton Cloth	Mild Detergent
3.	Dal-samber	Wet Cotton Cloth	Citric Acid / Nimbbu
4.	Curry	Wet Cotton Cloth	Citric Acid / Nimbbu
5.	Tomato Sauce	Wet Cotton Cloth	Citric Acid / Nimbbu
6.	Soya Sauce	Wet Cotton Cloth	Mild Detergent / Citric Acid / Nimbbu
7.	Edible Oil	Wet Cotton Cloth	Baking Soda / Mild Detergent / Acetone / Turpentine
8.	Sindur-oil Mix	Wet Cotton Cloth	Baking Soda / Mild Detergent / Acetone / Turpentine
9.	Ghee	Wet Cotton Cloth	Baking Soda / Mild Detergent / Acetone / Turpentine
10.	Tea	Wet Cotton Cloth	Mild Detergent / House Hold Cleaner
11.	Coffee	Wet Cotton Cloth	Mild Detergent / House Hold Cleaner
12.	Cold Drinks	Wet Cotton Cloth	Mild Detergent
13.	Wax	Wet Cotton Cloth	Paint Remover
14.	Lead Pencil	Wet Cotton Cloth	Plain Water / Hydrochloric Acid
15.	Normal Color Pencil	Wet Cotton Cloth	House Hold Detergent
16.	Wax Pencil	Wet Cotton Cloth	Paint Remover
17.	Water Color	Wet Cotton Cloth	Plain Water
18.	Marker	Wet Cotton Cloth	Dilute Sulphuric Acid
19.	Nail Polish	Nail Polish Remover	Nail Polish Remover
20.	Shoe Polish Liquid Stain	Wet Cotton Cloth	House Hold Detergent
21.	Cherry Shoe Polish	Wet Cotton Cloth	Wet Cotton Cloth
22.	Hair Dye	Dilute Nitric Acid	Dilute Nitric Acid
23.	Mehendi	Dilute Hydrochloric Acid	Dilute Hydrochloric Acid
24.	Lipstick	Wet Cotton Cloth	Hydrogen Peroxide / House Hold Cleaner
25.	Ink	Wet Cotton Cloth	Acetone / Turpentine / Trichloroethylene

SR. NO.	SUBSTANCE	NANO TREATED SURFACE	REGULAR SURFACE
B. HOTEL / FAST FOOD / CAFÉ HOUSE ETC			
1.	Dal	Wet Cotton Cloth	Citric Acid / Nimbbu
2.	Curry	Wet Cotton Cloth	Citric Acid / Nimbbu
3.	Turmeric	Wet Cotton Cloth	Mild Detergent
4.	Chilly	Wet Cotton Cloth	Mild Detergent
5.	Ghee	Wet Cotton Cloth	Baking Soda / Mild Detergent / Acetone / Turpentine
6.	Edible Oil	Wet Cotton Cloth	Baking Soda / Mild Detergent / Acetone / Turpentine
7.	Pickle	Wet Cotton Cloth	Citric Acid / Nimbbu
8.	Tomato Sauce	Wet Cotton Cloth	Citric Acid / Nimbbu
9.	Chilly Sauce	Wet Cotton Cloth	Baking Soda / Mild Detergent
10.	Soya Sauce	Wet Cotton Cloth	Mild Detergent / Citric Acid / Nimbbu
11.	Cold Drinks	Wet Cotton Cloth	Mild Detergent
12.	Fruit Stain	Wet Cotton Cloth	Mild Detergent
13.	Wine / Alcohol	Wet Cotton Cloth	Mild Detergent
14.	Tea	Wet Cotton Cloth	Mild Detergent / House Hold Cleaner
15.	Coffee	Wet Cotton Cloth	Mild Detergent / House Hold Cleaner
16.	Ice Cream	Wet Cotton Cloth	Mild Detergent / House Hold Cleaner
17.	Cigarette End	Wet Cotton Cloth	Hydrochloric Acid
C. MISCELLANEOUS PLACE			
1.	Paints	Wet Cotton Cloth	Paint Remover / Methyl Ketone / Toluene
2.	Epoxy / Resin	Wet Cotton Cloth	Trichloroethylene / Dichloro Methane
3.	Glue	Wet Cotton Cloth	Acetone / Turpentine
4.	Rust	Wet Cotton Cloth	Hydrochloric Acid
5.	Tar	Wet Cotton Cloth	Trichloroethylene / Methyl Ethyl Ketone
6.	Tyre Mark	Wet Cotton Cloth	Methyl Ethyl Ketone
7.	Cement	Wet Cotton Cloth	Hydrochloric Acid
8.	Blood	Wet Cotton Cloth	Dilute Nitric Acid
9.	Grease	Wet Cotton Cloth	Detergent
10.	Mobil Oil	Wet Cotton Cloth	Detergent
11.	Methelene Blue	Wet Cotton Cloth	Phosphoric Acid / Hydrochloric Acid

* Immediate cleaning action is the best way
N.B. : CHEMICALS REFERENCE ARE FOR FIRST AID SUGGESTION FOR ANY DETAIL PLEASE CONTACT COMPANY PERSONNEL.

APPLICATIONS



TECHNICAL PARAMETERS	ASTM	CEN	ISO	INT. STD	LAFFANS GRANITO
Deviation in length/width	C 499	EN 98	10545-2	± 0.6%	± 0.1%
Deviation in Thickness	C 499	EN 98	10545-2	± 0.5%	± 0.1%
Straightness of side	-	EN 98	10545-2	± 0.5%	± 0.1%
Rectangularity	-	EN 98	10545-2	± 0.6%	± 0.2%
Surface flatness	C 485	EN 98	10545-2	± 0.5%	± 0.2%
Water absorption	C 373	EN 99	10545-3	< 0.5%	< 0.05%
Scratch hardness (Moh's)	C 849	EN 101	-	> 6	> 8
Modulus of Rupture (N/mm ²)	C 648	EN 100	10545-4	> 27 N/mm ²	> 47 N/mm ²
Breaking Strength (N)	C 648	-	-	1113 N	2830 N
Skid resistance	C 1028	-	DIN51130	> 0.4	> 0.6
Abrasion resistance (N/mm ³)	-	EN 102	10545-6	< 204 N/mm ²	< 144 N/mm ²
Linear thermal expansion (1/C)	C 372	EN 103	10545-8	< 9x10 ⁻⁶ N/mm ²	< 6x10 ⁻⁶ N/mm ²
Thermal shock resistance	C 484	EN 104	10545-9	No Damage	No Damage
Colour resistance to light	DIN 51094	-	10545-16	No Damage	No Damage
Glossiness (Reflection)	-	-	-	-	90 %
Chemical resistance (Except HF)	C 650	EN 106	10545-13	No Damage	No Damage
Density (gm/cc)	-	-	DIN51082	> 2	2.4
Frost resistance	-	-	10545-12	Frost Proof	Frost Proof
Decorative Faults	-	-	10545-2	Defect Free	Defect Free
Surface Quality	-	-	10545-2	95 % Defect Free	> 95%
Impact Resistance	-	-	-	Good	Good
Crazing Resistance	-	-	10545-11	No Crazing	No Crazing
Resistance to house hold chemicals	-	-	10545-13	No visible effect	No visible effect

PACKAGING DETAILS

Size	Normal Thickness	No. Of Tiles / Box	Coverage Area	Wt. Of Box
800x800mm	10 mm (Approx.)	3 Pcs.	1.92 Sq. Mt.	41.00 Kgs. (Approx.)

DISCLAIMER : Laffans Granito Pvt. Ltd. reserves the right to delete & amend either totally or partially, any of the colors, shades, sizes, references and other technical specifications contained in this catalogue at anytime, the colors shown of tiles in this catalogue are purely illustrative and limited to printing process, please refer actual sample before final selection, the details of size, colors, references should be verified for typographical errors.