

 Polished  
Porcelain

600x600 mm  
TROPICANA SERIES

**GruppoNueva**  
one group - one mind - one vision



**6017**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**6018**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



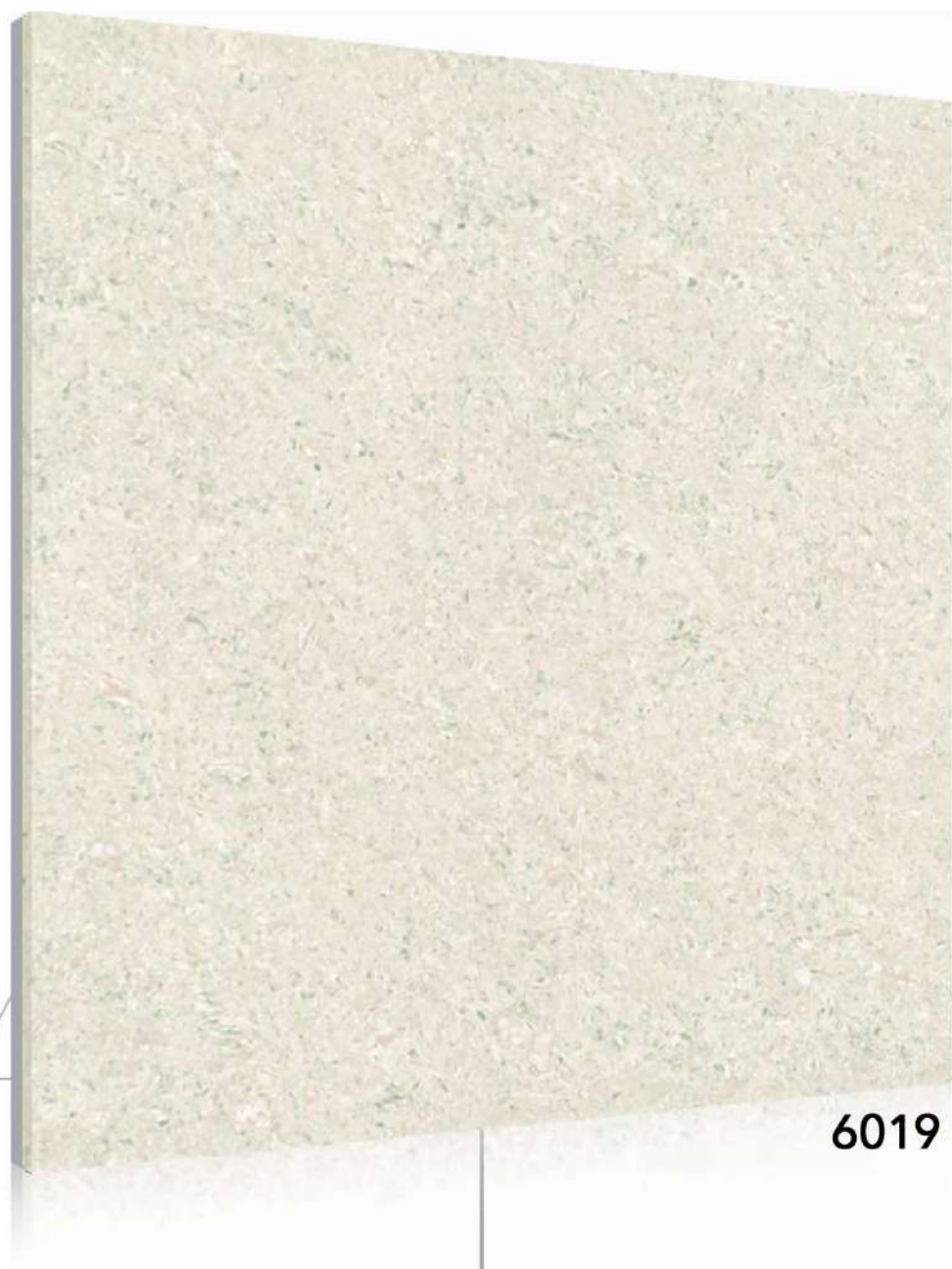
WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE





**6020**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



6021

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



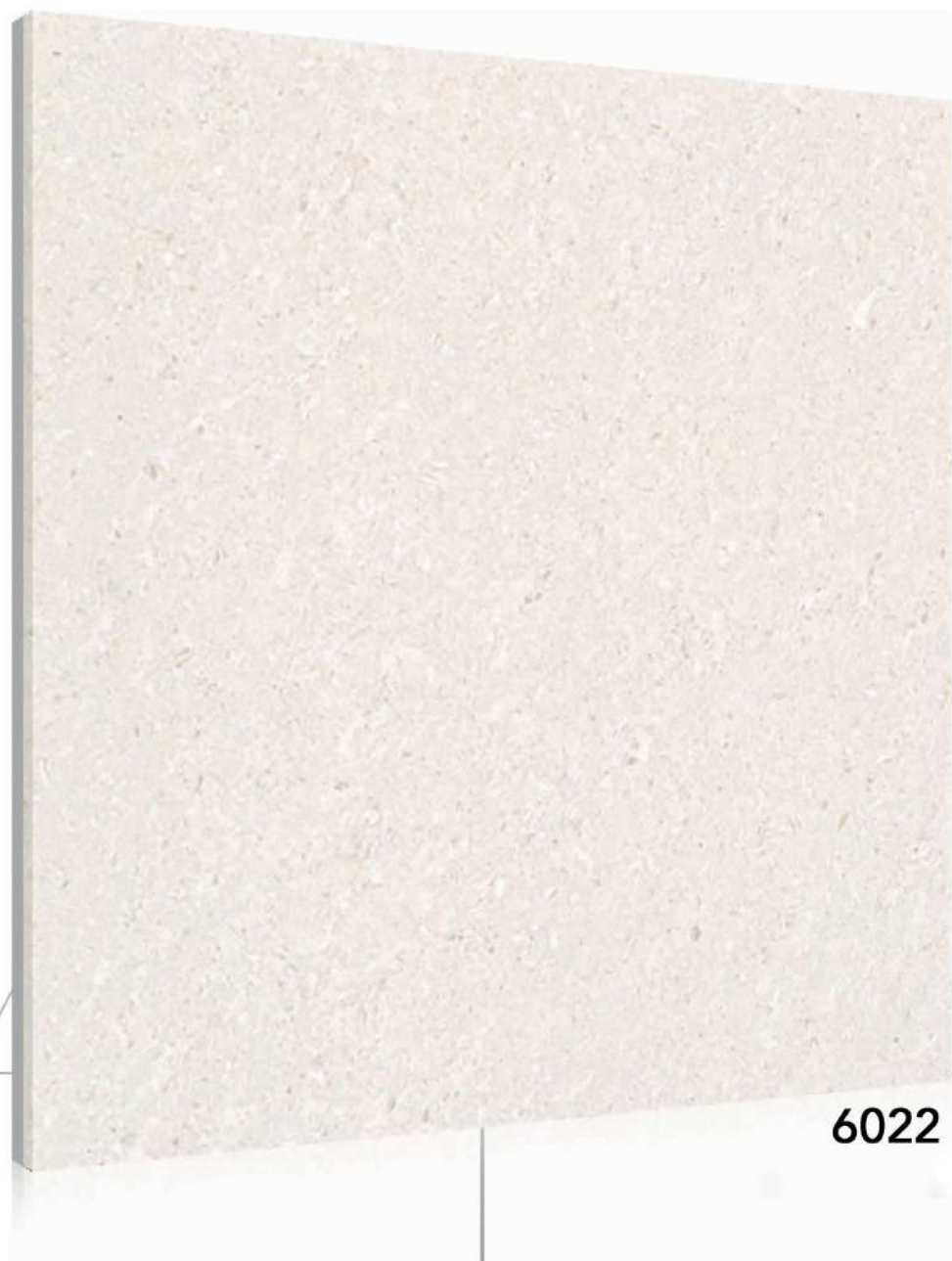
WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**6022**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**6023**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT

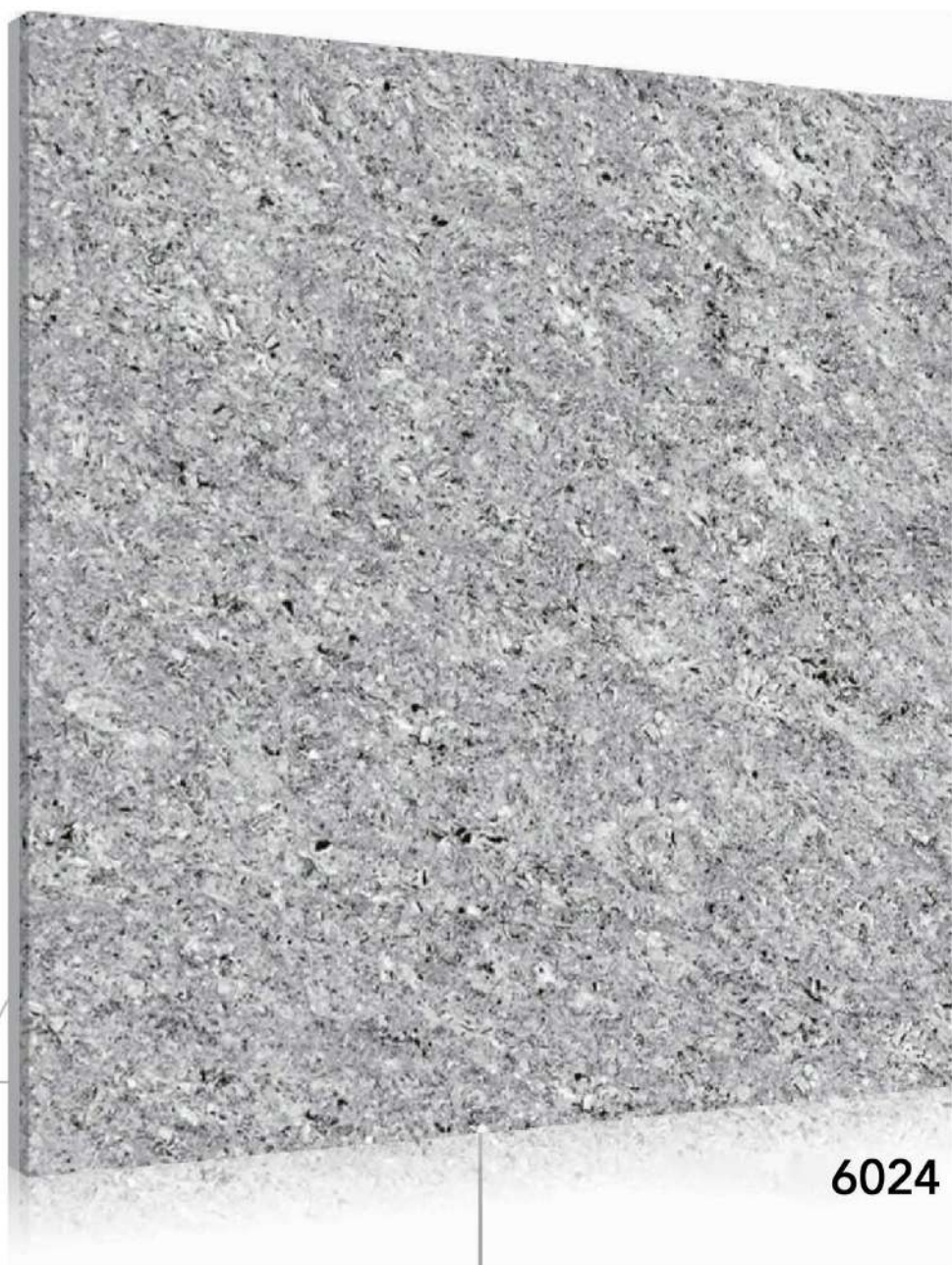


STAIN  
RESISTANT



MAINTENANCE  
FREE





6024

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



6025

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE





**6026**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



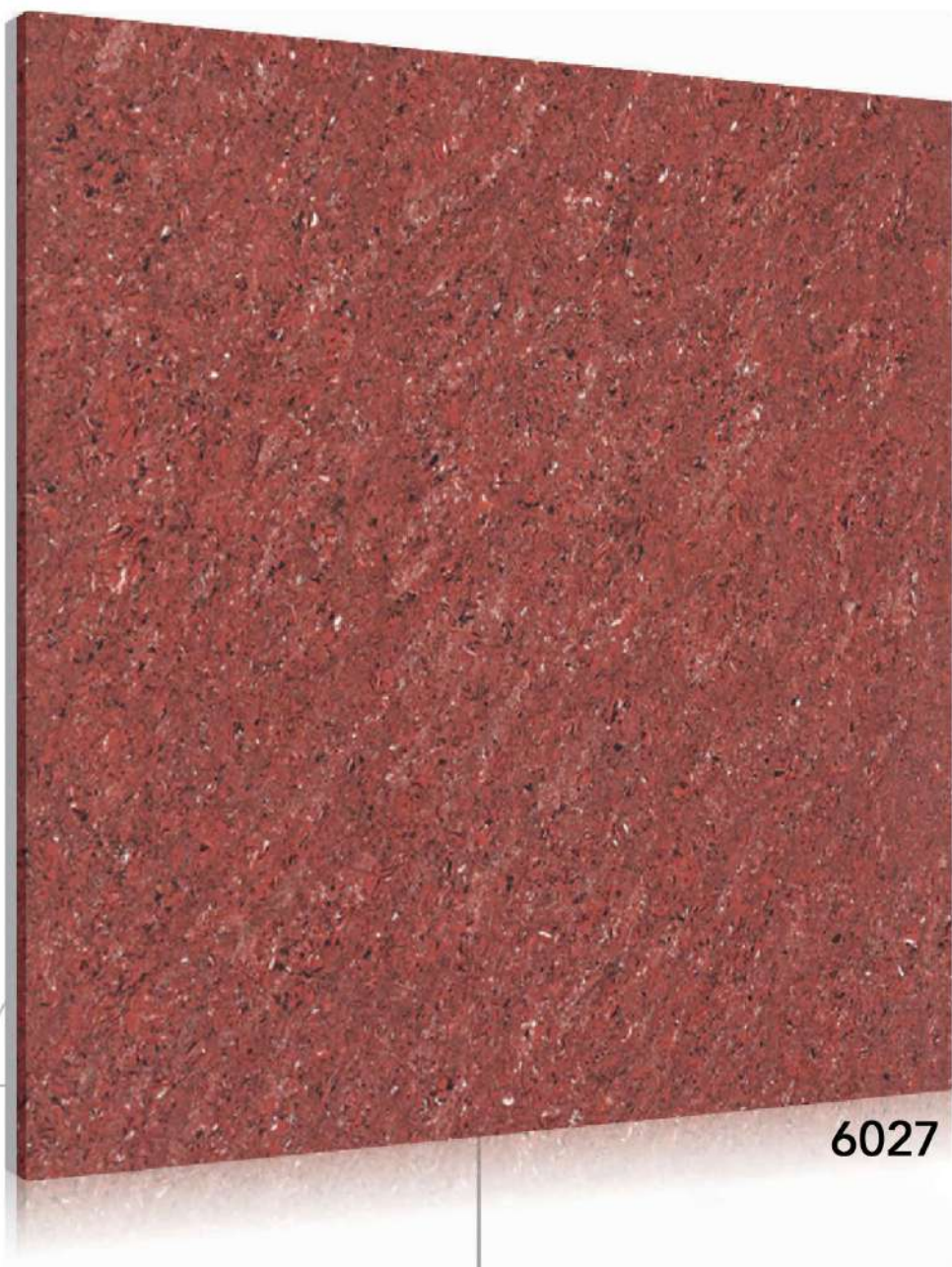
WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



6027

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT

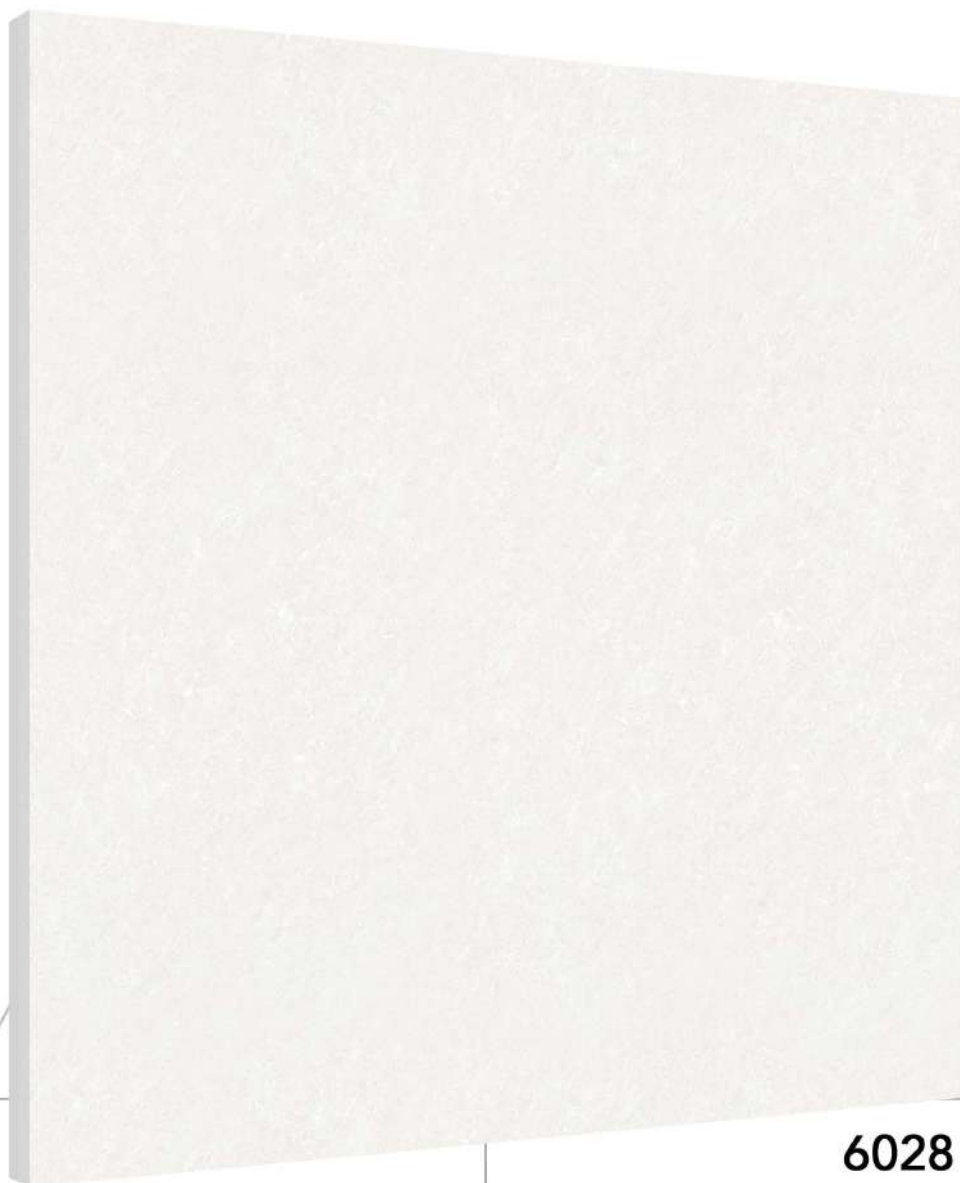


STAIN  
RESISTANT



MAINTENANCE  
FREE





**6028**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



6029

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE





6030

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE





**6031**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



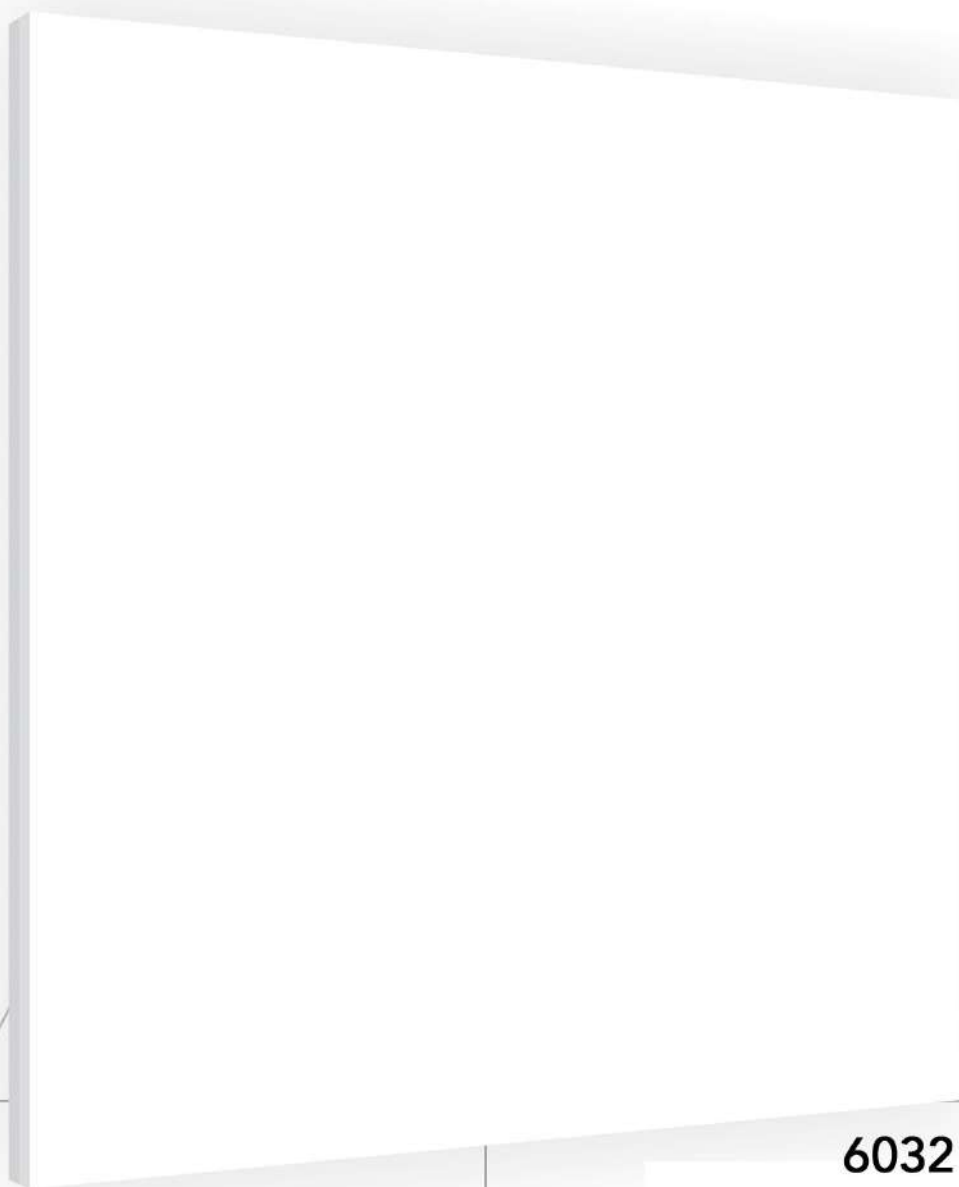
WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**6032**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



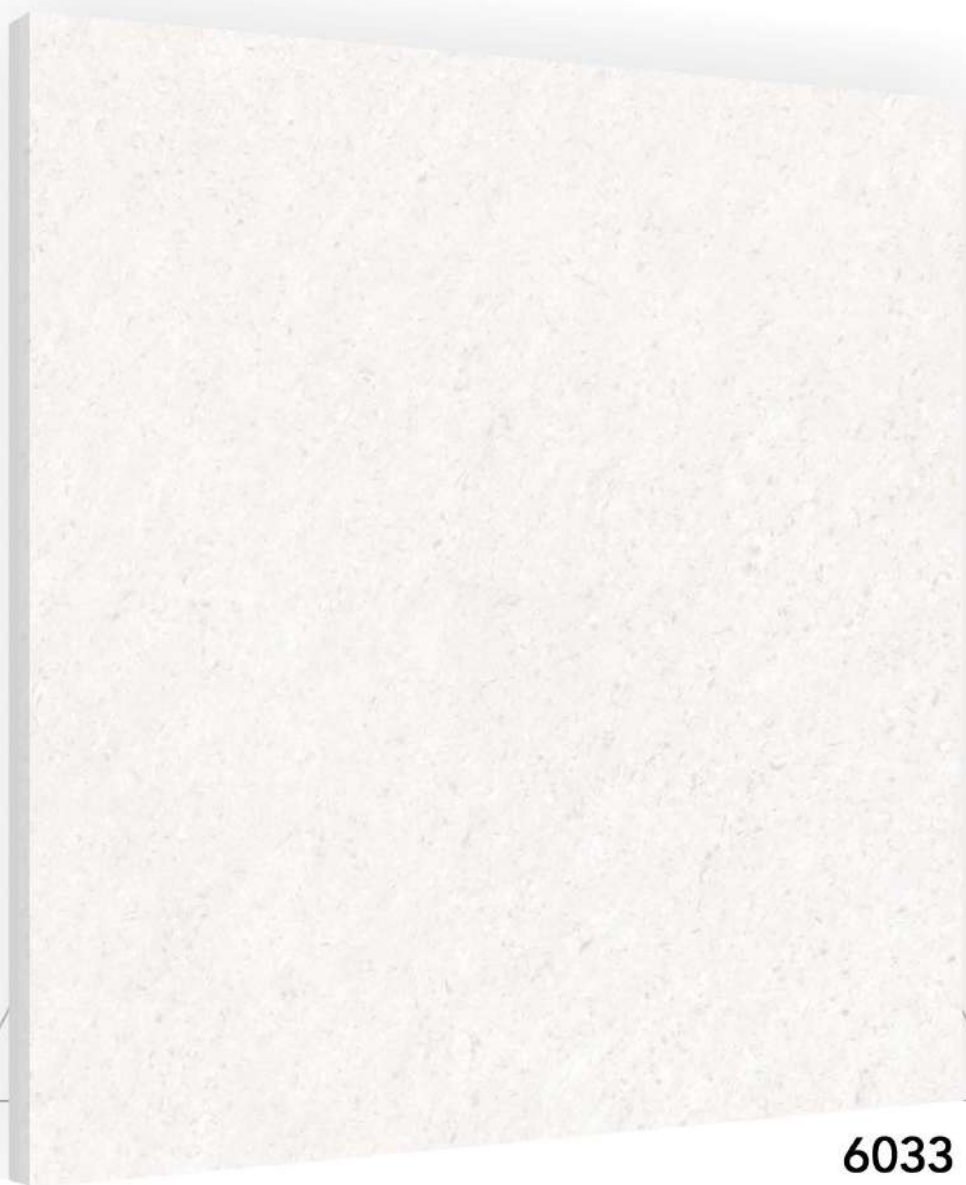
WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**6033**

800x800 mm | 600x600 mm



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



# Some Guidance About Commonly Affected Stains

| Sr. No.                                       | Substance                | Nano Treated Surface     | Regular Surface                                      |
|-----------------------------------------------|--------------------------|--------------------------|------------------------------------------------------|
| <b>A. DOMESTIC AREA</b>                       |                          |                          |                                                      |
| 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              | NEIL 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             |
| <b>B. HOTEL / FAST FOOD / CAFÉ HOUSE ETC.</b> |                          |                          |                                                      |
| 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         | BACKING 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         | BACKING 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                                    |
| <b>C. MISCELLANEOUS PLACE</b>                 |                          |                          |                                                      |
| 1.                                            | PAINTS                   | WET COTTON CLOTH         | PAINT REMOVER / METHYL ETHYL 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.

## SPECIFICATION OF POLISHED PORCELAIN

| SR. No.   | CHARACTERISTIC                         | STANDARD AS PER ISO-13006/EN1411 GROUP Bia | GGCL VALUE                 | TEST METHOD  |
|-----------|----------------------------------------|--------------------------------------------|----------------------------|--------------|
| <b>A.</b> | <b>REGULATORY PROPERTIES</b>           |                                            |                            |              |
| 1.        | DEVIATION IN LENGTH & WIDTH            | ±0.5%                                      | ±0.1%                      | ISO-10545-2  |
| 2.        | DEVIATION IN THICKNESS                 | ±5.0%                                      | ±2.0%                      | ISO-10545-2  |
| 3.        | STRAIGHTNESS OF SIDES                  | ±0.5%                                      | ±0.1%                      | ISO-10545-2  |
| 4.        | RECTANGULARITY                         | ±0.5%                                      | ±0.1%                      | ISO-10545-2  |
| 5.        | SURFACE FLATNESS                       | ±0.5%                                      | ±0.4%                      | ISO-10545-2  |
| 6.        | COLOR DIFFERENCES                      | UNALTERED                                  | NO CHANGE                  | ISO-10545-16 |
| 7.        | GLOSSINESS                             | AS PER MANUFACTURER                        | MIN. 70 %                  | GLOSSOMETER  |
| <b>B.</b> | <b>STRUCTURAL PROPERTIES</b>           |                                            |                            |              |
| 8.        | WATER ABSORPTION                       | ≤0.5%                                      | <0.05%                     | ISO-10545-3  |
| 9.        | APPARENT DENSITY                       | >2.0 gm/cc                                 | >2.28 gm/cc                | DIN 51082    |
| <b>C.</b> | <b>MASSIVE MECHANICAL PROPERTIES</b>   |                                            |                            |              |
| 10.       | FLEXURAL MODULUS OF RUPTURE            | MIN 35N/mm <sup>2</sup>                    | MIN 40N/mm <sup>2</sup>    | ISO-10545-4  |
| 11.       | FLEXURAL BREAKING STRENGTH             | MIN 1300 N                                 | MIN 2000 N                 | ISO-10545-4  |
| 12.       | IMPACT RESISTANCE                      | AS PER MANUFACTURER                        | MIN 0.55                   | ISO-10545-5  |
| <b>D.</b> | <b>SURFACE MECHANICAL PROPERTIES</b>   |                                            |                            |              |
| 13.       | DEEP ABRASION RESISTANCE               | MAX 175mm <sup>3</sup>                     | MAX 132mm <sup>3</sup>     | ISO-10545-6  |
| 14.       | MOH'S HARDNESS                         | MIN 6                                      | 8*                         | EN101        |
| <b>E.</b> | <b>THERMO HYDROMETRIC PROPERTIES</b>   |                                            |                            |              |
| 15.       | FROST RESISTANCE                       | NO DAMAGE                                  | FROST PROOF                | ISO-10545-12 |
| 16.       | THERMAL SHOCK RESISTANCE               | NO DAMAGE                                  | NO DAMAGE                  | ISO-10545-9  |
| 17.       | MOISTURE EXPANSION                     | NIL                                        | NIL                        | ISO-10545-10 |
| 18.       | THERMAL EXPANSION                      | MAX 9.0 x 10 <sup>-6</sup>                 | MAX 6.5 x 10 <sup>-6</sup> | ISO-10545-8  |
| <b>F.</b> | <b>CHEMICAL PROPERTIES</b>             |                                            |                            |              |
| 19.       | CHEMICAL RESISTANCE                    | NO DAMAGE                                  | NO DAMAGE                  | ISO-10545-13 |
| 20.       | STAIN RESISTANCE                       | RESISTANT                                  | RESISTANT                  | ISO-10545-14 |
| <b>G.</b> | <b>SAFETY PROPERTIES</b>               |                                            |                            |              |
| 21.       | SLIP RESISTANCE(FRICTION CO EFFICIENT) | > 0.40                                     | >0.40                      | ISO-10545-17 |

## Packing Details

| NOMINAL SIZE OF TILE | No. OF TILES / BOX | COVERAGE AREA / BOX | THICKNESS |
|----------------------|--------------------|---------------------|-----------|
| 600x600 MM           | 4 pcs.             | 1.44 sq. mtr.       | ± 9.0 mm  |
| NOMINAL SIZE OF TILE | No. OF TILES / BOX | COVERAGE AREA / BOX | THICKNESS |
| 800x800 mm           | 3 pcs.             | 1.92 sq. mtr.       | ± 9.0 mm  |
| NOMINAL SIZE OF TILE | No. OF TILES / BOX | COVERAGE AREA / BOX | THICKNESS |
| 300x600 mm           | 6 pcs.             | 1.08 sq. mtr.       | ± 9.0 mm  |

**Note:** Colour Shown are as accurate as the limitations of the printing process will allow. Prospective customers are advised to inspect a sample of the tile before ordering. Every effort has been made to ensure the accuracy of the information given. However, the company reserve the right to change the specifications without prior notice. Sometime variations in shade or size being inherent to ceramic industry may occur. Before fixing, we advise you to follow the fixing instructions on the cartons of the tiles as no responsibility can be accepted by the company once the tiles have been fixed.

**24**<sup>YEARS</sup>  
1997 | 2021

**GruppoNueva**  
one group - one mind - one vision



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