

600x1200mm | GVT | **ENDLESS**



A NEW ERA OF SURFACES



A modern interior space featuring large, light-colored marble tiles with subtle veining. In the background, there is a dark leather sofa with a gold metal frame and a matching coffee table. To the left, a wooden cabinet with a gold metal base is visible. The overall aesthetic is contemporary and sophisticated.

600x1200mm | GVT

# ENDLESS

HI-GLOSS | GLOSSY | ROCKER

A New Era of Surfaces

SUITABLE for WALL & FLOOR





## ENDLESS COLLECTION



Infinite.  
Perpetual.  
Endless!

Blackberry's latest tiles offering mirrors our collective quest to stretch our imagination beyond limits. With no end in sight, our sense of achievement flows continuously even beyond the barriers of time and space. The Endless Collection features distinct patterns and textures that continue to stretch across spaces, irrespective of their placement and implementation. Now, you can relive your internal space differently and expand your horizons, literally!

600x  
1200  
GVT





Phase 1



Phase 2



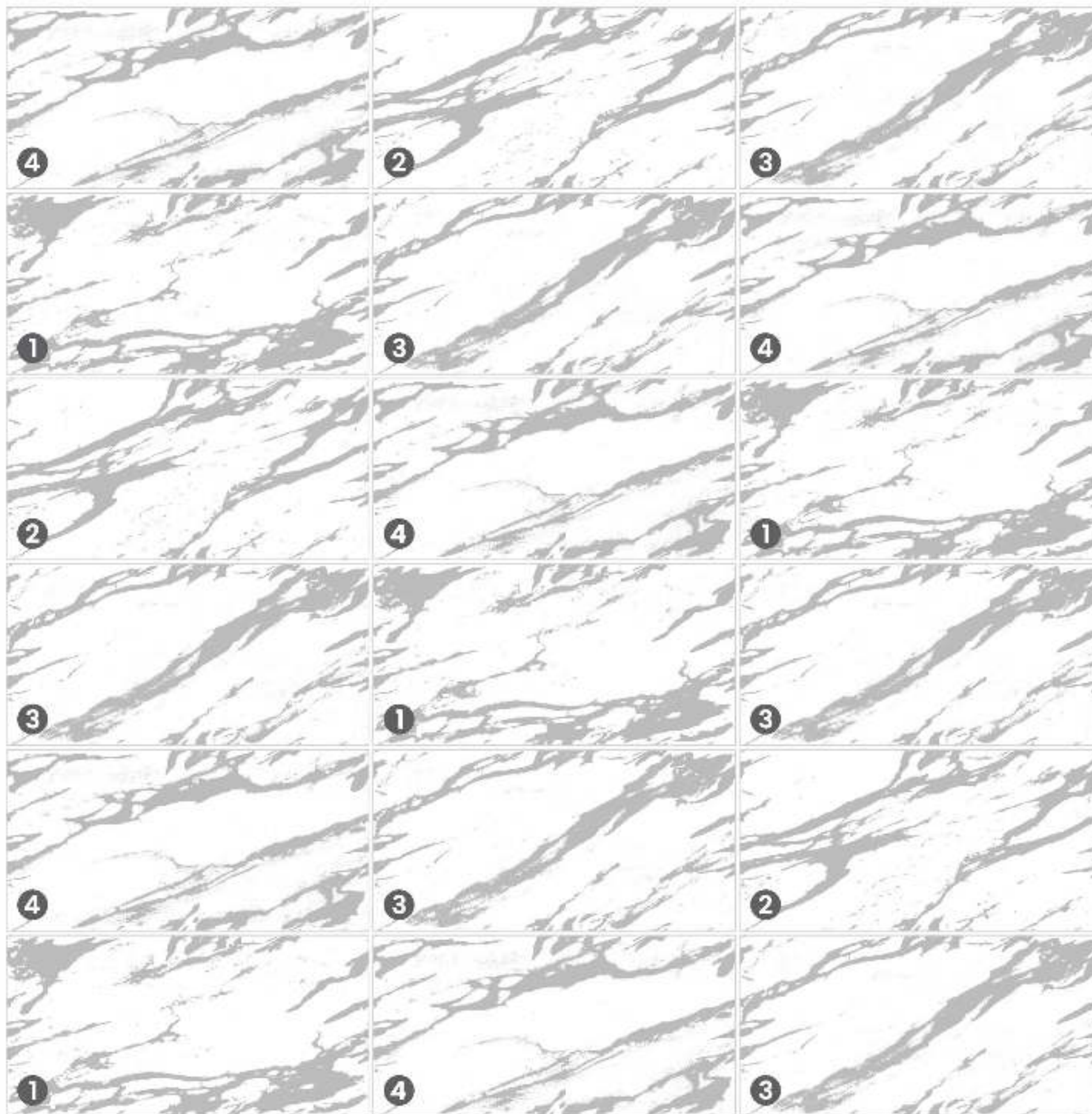
Phase 3



Phase 4

# Discrete, Yet Connected!

Irrespective of the patterns that you choose related to any format in the Endless Collection, rest assured, they flow continuously without borders, beyond your space! Experience the 'endless' harmony today!





# FINISHES



GLOSSY



ROCKER







600x1200mm | GVT

HI-GLOSS

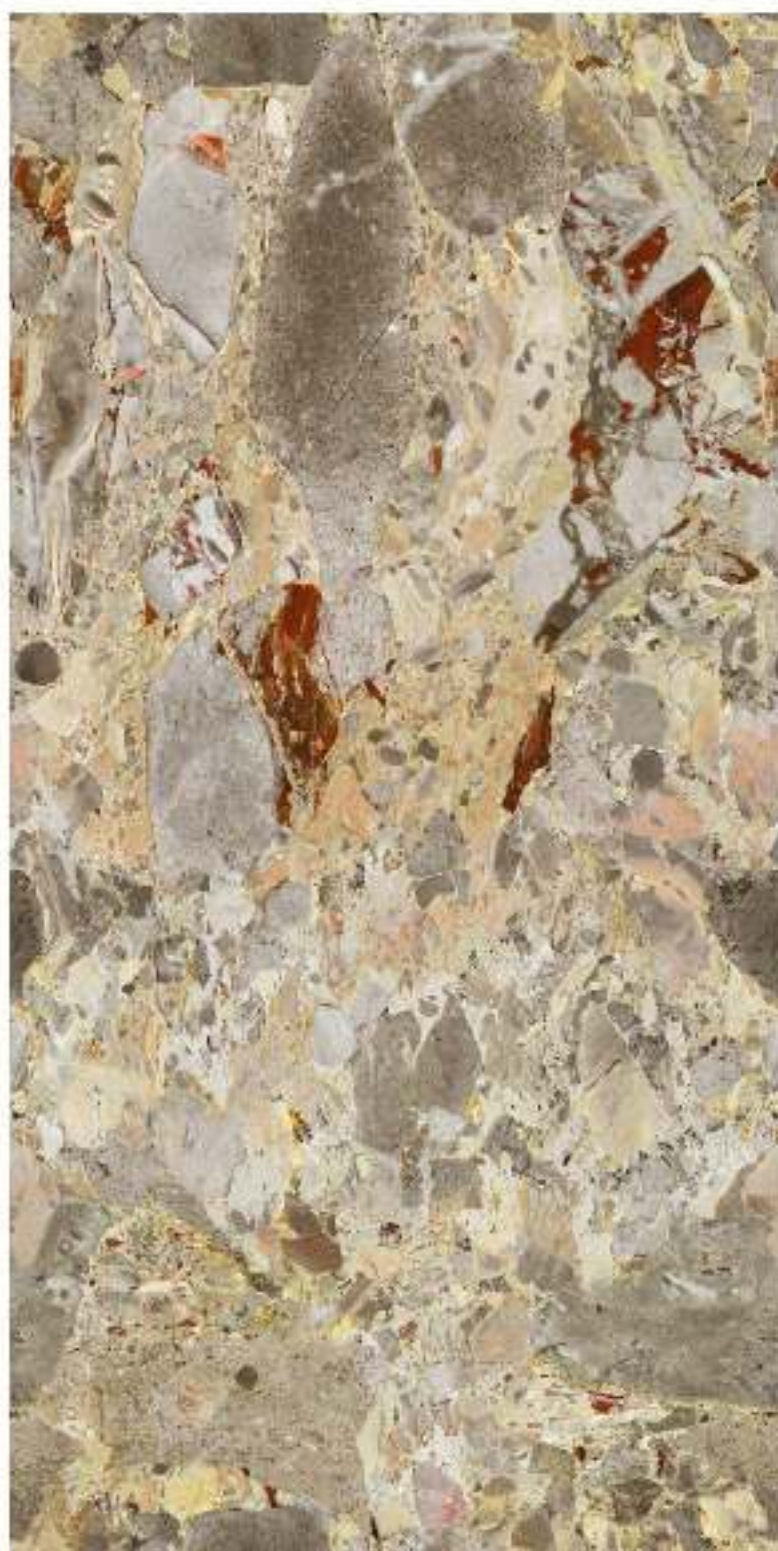
SUITABLE for WALL & FLOOR





Tiles Shown: BRECCIA MARINA





**BRECCIA MARINA**

|                  |            |
|------------------|------------|
| HI-GLOSS SURFACE |            |
| 4 RANDOM         | 600x1200mm |

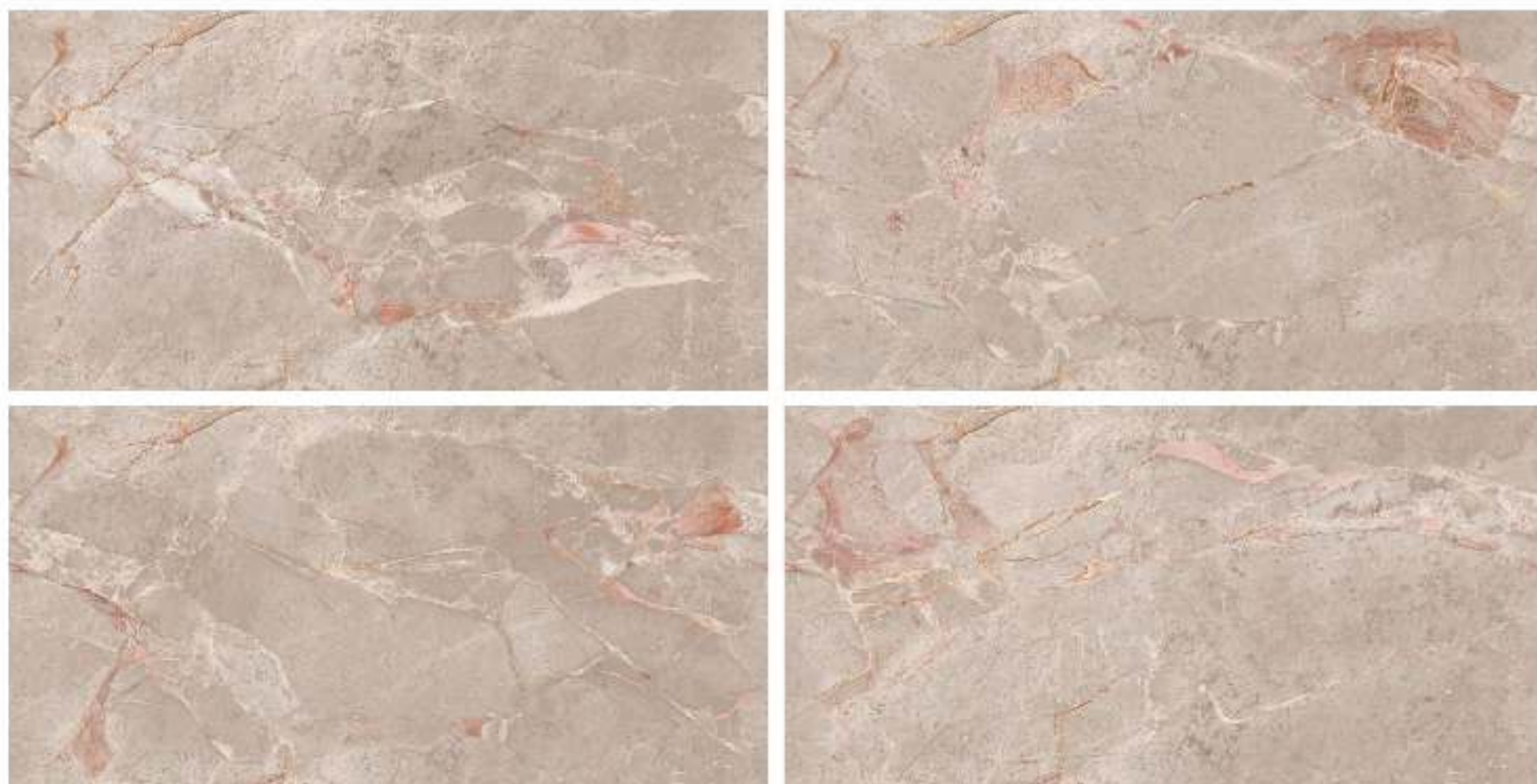






**VANILLA RED**

|                  |            |
|------------------|------------|
| HI-GLOSS SURFACE |            |
| 4 RANDOM         | 600x1200mm |







600x1200mm | GVT

GLOSSY

SUITABLE for WALL & FLOOR





Tiles Shown: BELLEZA WHITE





**BELLEZA WHITE**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







**CANVAS GREY**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







Tiles Shown: CREMILO BEIGE





**CREMA BEIGE**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







Tiles Shown: IRIS ONYX





**IRIS ONYX**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







Tiles Shown: LATINA BIANCO





**LATINA BIANCO**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 6 RANDOM       | 600x1200mm |







Tiles Shown: LOREAL GREY





**LOREAL GREY**

GLOSSY SURFACE

4 RANDOM

600x1200mm







Tiles Shown: LUCASO CREMA





**LUCASO CREMA**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







Tiles Shown: MARLINA WHITE





**MARLENA WHITE**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







Tiles Shown: MILTON WHITE





**MILTON WHITE**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |







**RIVER CREMA**

GLOSSY SURFACE

4 RANDOM

600x1200mm







Tiles Shown: ROSEBERRY WHITE





**ROSEBERRY WHITE**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 6 RANDOM       | 600x1200mm |







**RUBY BLACK**

|                |            |
|----------------|------------|
| GLOSSY SURFACE |            |
| 4 RANDOM       | 600x1200mm |

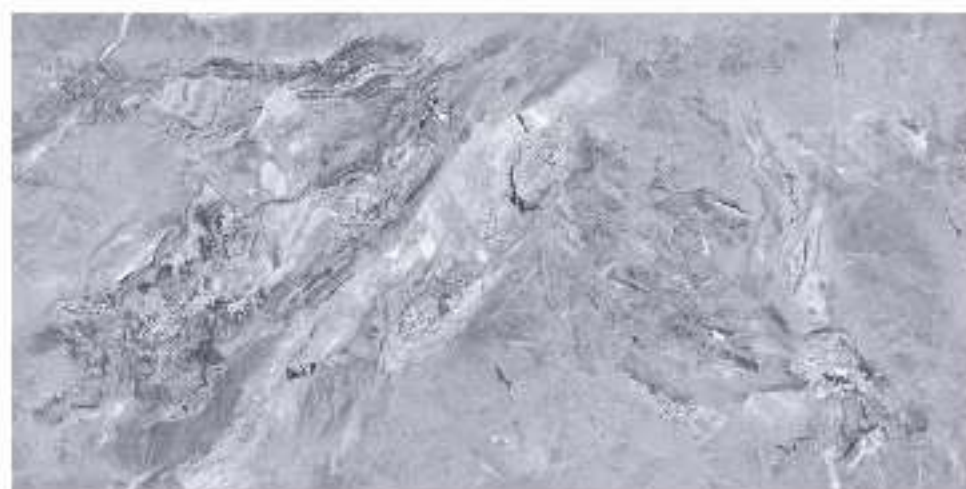
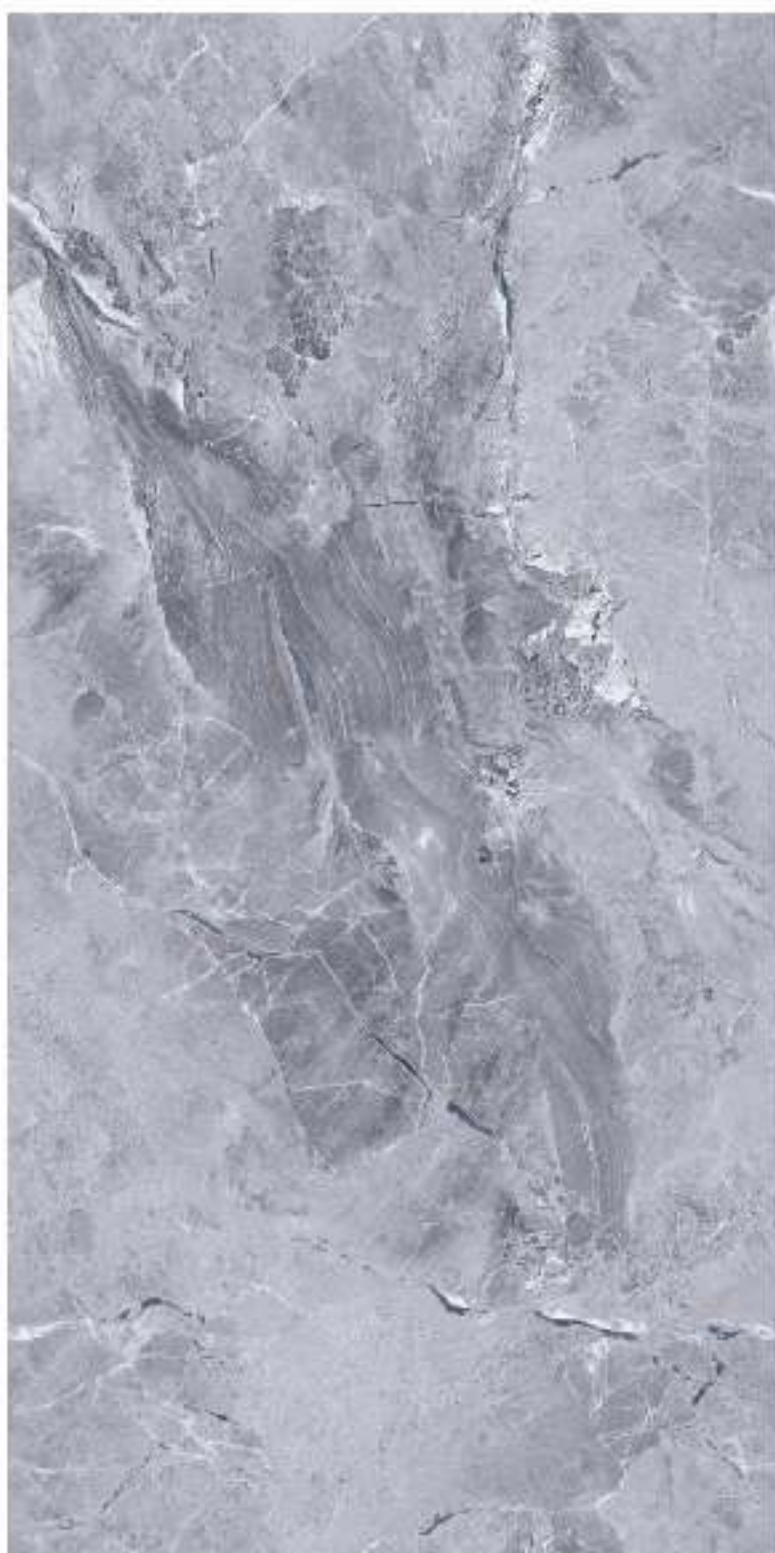






Tiles Shown: STROM GREY





**STROM GREY**

GLOSSY SURFACE

4 RANDOM 600x1200mm







600x1200mm | GVT

ROCKEER

SUITABLE for WALL & FLOOR





Tiles Shown: ASTONIA BLACK

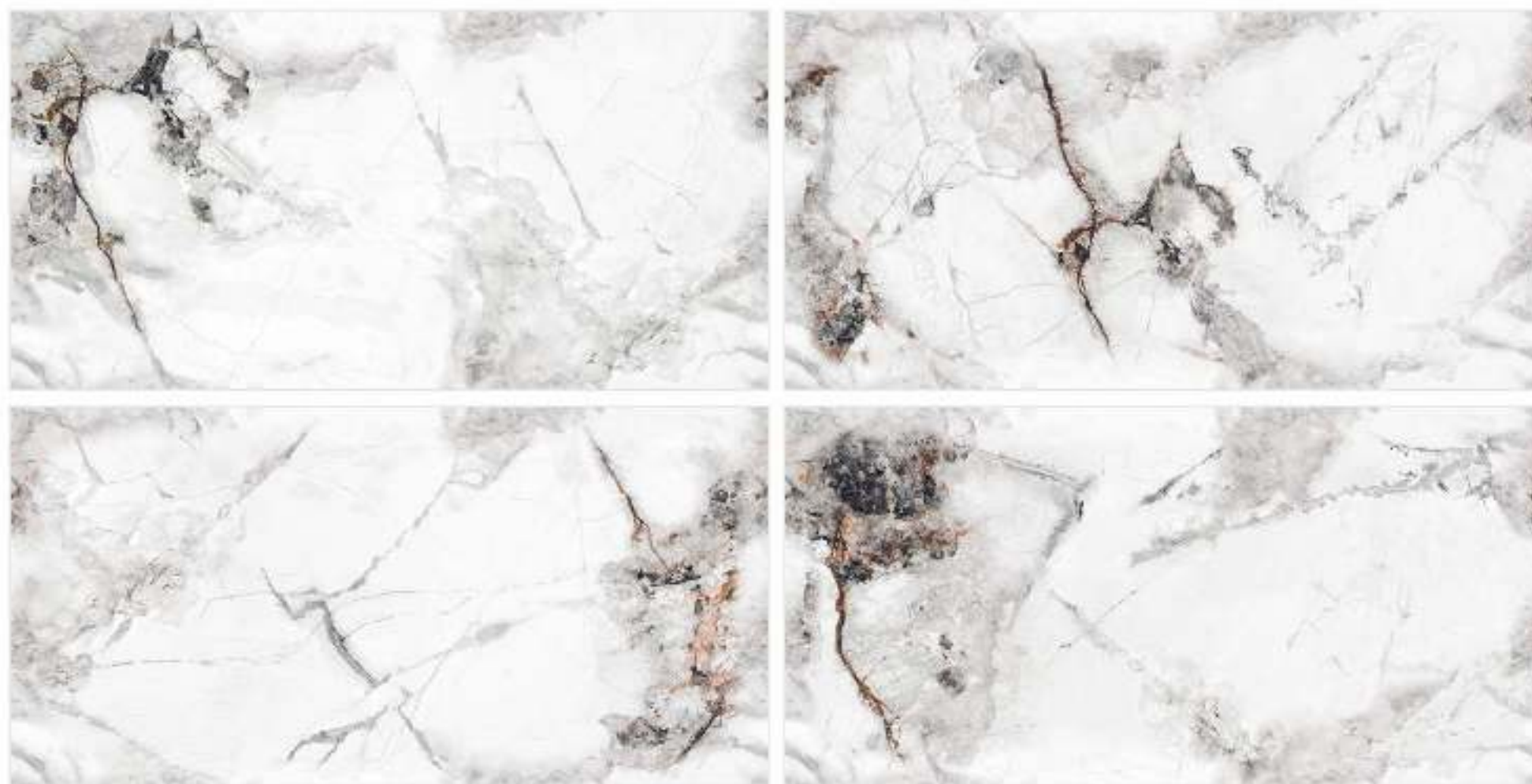




**BELIZZARDO ICE**

ROCKER ON MATTE SURFACE

4 RANDOM 600x1200mm







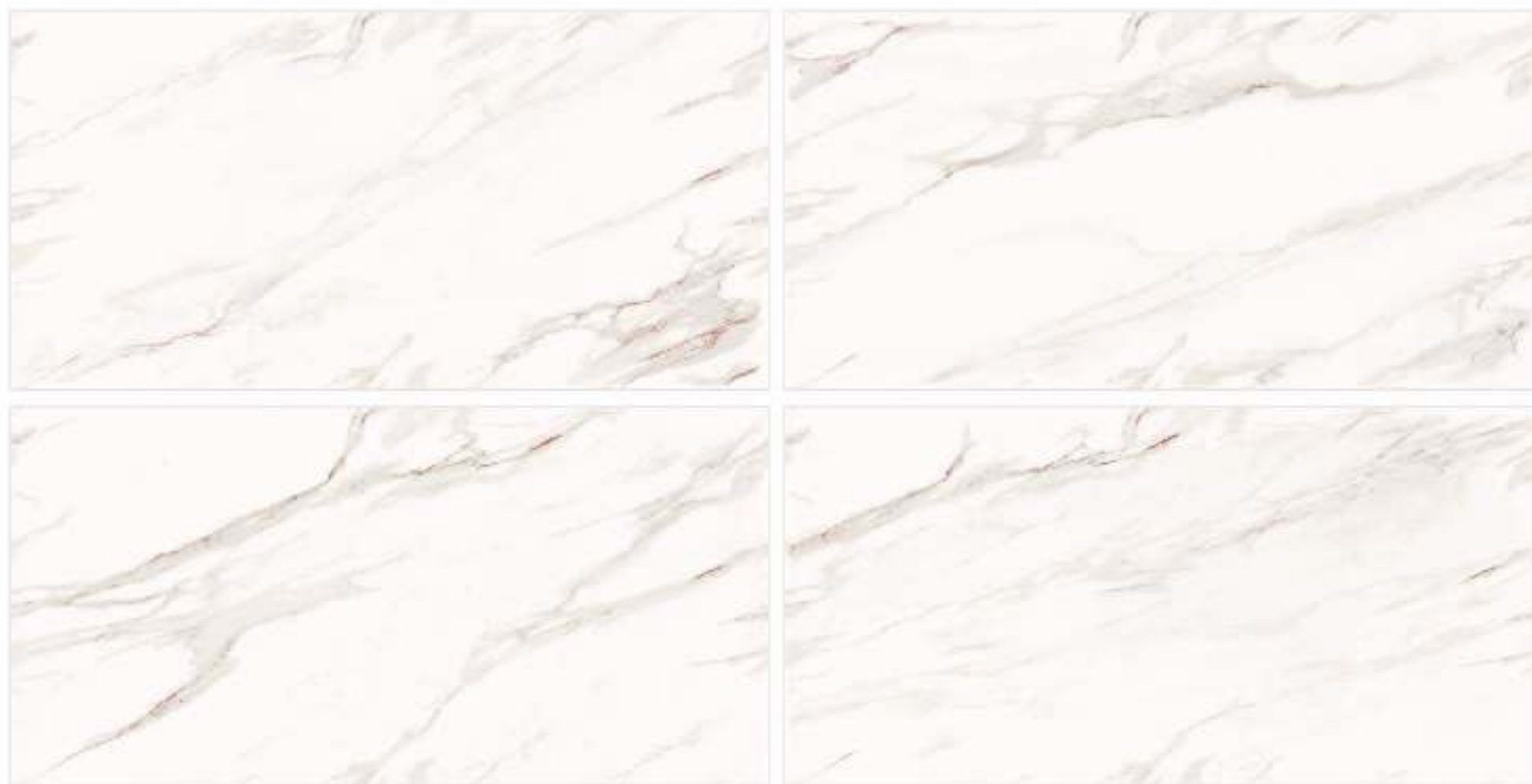
Tiles Shown: BRANCO WHITE





**BRANCO WHITE**

|                         |            |
|-------------------------|------------|
| ROCKER ON MATTE SURFACE |            |
| 6 RANDOM                | 600x1200mm |







Tiles Shown: ROMERO GREY





**ROMERO GREY**

|                         |            |
|-------------------------|------------|
| ROCKER ON MATTE SURFACE |            |
| 4 RANDOM                | 600x1200mm |





# Technical Specifications

| Sr. No.                              | CHARACTERISTIC                           | STANDARD AS PER ISO 13006/EN 14411 GROUP BIA      | MEAN VALUE OF BLACKBERRY POLISHED GVT | MEAN VALUE OF BLACKBERRY GVT | TEST METHOD     |
|--------------------------------------|------------------------------------------|---------------------------------------------------|---------------------------------------|------------------------------|-----------------|
| <b>REGULATORY PROPERTIES</b>         |                                          |                                                   |                                       |                              |                 |
|                                      | Deviation in Length & Width              | ± 0.50 %                                          | ± 0.10 %                              | ± 0.10 %                     | ISO-10545-2     |
|                                      | Deviation in Thickness                   | ± 5.00 %                                          | ± 4.00 %                              | ± 4.00 %                     | ISO-10545-2     |
|                                      | Straightness of Sides                    | ± 0.50 %                                          | ± 0.10 %                              | ± 0.10 %                     | ISO-10545-2     |
|                                      | Rectangularity                           | ± 0.50 %                                          | ± 0.10 %                              | ± 0.10 %                     | ISO-10545-2     |
|                                      | Surface Flatness                         | ±0.50 %                                           | ± 0.20 %                              | ± 0.20 %                     | ISO-10545-2     |
|                                      | Color Difference                         | Unaltered                                         | No Change                             | No Change                    | ISO-10545-16    |
|                                      | Glossiness                               | As Per Mfg.                                       | > 90 %                                | Min 4%                       | Glossometer 60° |
|                                      | Surface Quality                          | Min. 95% Tiles should be free from visible defect | Conforms                              | Conforms                     | ISO-10545-2     |
| <b>STRUCTURAL PROPERTIES</b>         |                                          |                                                   |                                       |                              |                 |
|                                      | Water Absorption %                       | ≤0.50 %                                           | E≤0.05 %                              | E≤0.05 %                     | ISO-10545-3     |
|                                      | Apparent Density                         | > 2.0 gm / cc                                     | >2.10 gm/ cc                          | >2.10 gm/ cc                 | DIN 51082       |
| <b>MASSIVE MECHANICAL PROPERTIES</b> |                                          |                                                   |                                       |                              |                 |
|                                      | Flexural Modulus of Rupture              | Min. 35N/ mm <sup>2</sup>                         | Min. 40N/ mm <sup>2</sup>             | Min. 40N/ mm <sup>2</sup>    | ISO-10545-4     |
|                                      | Flexural Breaking Strength in N          | Min. 1300 N                                       | > 2000 N                              | > 2000 N                     | ISO-10545-4     |
|                                      | Impact Resistance                        | As Per Mfg.                                       | Min. 0.55                             | Min. 0.55                    | ISO-10545-5     |
| <b>SURFACE MECHANICAL PROPERTIES</b> |                                          |                                                   |                                       |                              |                 |
|                                      | Surface Abrasion Resistance              | As Per Mfg.                                       | Min. Class 3                          | Min. Class 3                 | ISO-10545-7     |
|                                      | Moh's Hardness                           | As Per Mfg.                                       | Min. 4                                | Min. 4                       | EN 101          |
| <b>THERMO HYDROMETRIC PROPERTIES</b> |                                          |                                                   |                                       |                              |                 |
|                                      | Frost Resistance                         | No Damage                                         | No Damage                             | No Damage                    | ISO-10545-12    |
|                                      | Thermal Shock Resistance                 | No Damage                                         | No Damage                             | No Damage                    | ISO-10545-9     |
|                                      | Moisture Expansion                       | Nil                                               | Nil                                   | Nil                          | ISO-10545-10    |
|                                      | Thermal Expansion (COE)                  | Max. 9.0 x 10 <sup>-6</sup>                       | Max. 8.5 x 10 <sup>-6</sup>           | Max. 6.5 x 10 <sup>-6</sup>  | ISO-10545-8     |
|                                      | Crazing Resistance                       | As Per Mfg.                                       | Min. 10 Cycle                         | Min. 10 Cycle                | ISO-10545-11    |
| <b>CHEMICAL PROPERTIES</b>           |                                          |                                                   |                                       |                              |                 |
|                                      | Resistance of House Hold Chem.           | No Damage                                         | No Damage*                            | No Damage*                   | ISO-10545-13    |
|                                      | Resistance to Staining                   | Resistant                                         | No Damage                             | No Damage                    | ISO-10545-14    |
| <b>SAFETY PROPERTIES</b>             |                                          |                                                   |                                       |                              |                 |
|                                      | Slip Resistance                          | As Per Mfg.                                       | > 0.40                                | > 0.40                       | ISO-10545-17    |
|                                      | Fire Resistance                          | As Per Mfg.                                       | Fire Proof                            | Fire Proof                   | N.A             |
|                                      | Lead & Cadmium given off by Glazed Tiles | As Per Mfg.                                       | Dose Not Yield Pb & Cd                | Dose Not Yield Pb & Cd       | ISO-10545-15    |

\*Glossiness 90% with Nani Technology in PGVT. \*Except Hydrofluoric Acid it's compound

## PACKING DETAILS

| PRODUCT    | NOMINAL SIZE  | NO. OF TILES PER BOX | COVERAGE AREA / BOX |
|------------|---------------|----------------------|---------------------|
| BLACKBERRY | 800 x 1200 mm | 2 Pcs                | 1.44 Sq. Mtr.       |

NOTES: 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 of change the specification without prior notice. Sometime variation in shade or size being inherent to ceramic industry may occur. Before fixing, we advise you to follow the fixing instructions in the cartons of the tiles as no responsibility can be accepted by the company once the tiles have been fixed.

GENERAL NOTE Any Complaint must be brought to the company's notice within 10 days of purchase & before fixing of tiles.

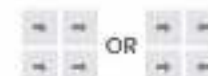
## MAINTENANCE GUIDELINES FOR GVT

| STAINS (Created by)  | SOLVENTS (turpentine, Acetone, Trichloroethy-Lene ETC.) | SODIUM HYPOCHLORITE (NaOCl) | ACIDS (Hydro-Chloric Acid) | ALKALI (Sodium Hydroxide Potassium Hydroxide) |
|----------------------|---------------------------------------------------------|-----------------------------|----------------------------|-----------------------------------------------|
| Beverages Beer       |                                                         |                             |                            | ✓                                             |
| Juices               |                                                         | ✓                           |                            |                                               |
| Cold                 |                                                         |                             |                            | ✓                                             |
| Coffee               |                                                         |                             |                            | ✓                                             |
| Tea                  | ✓                                                       | ✓                           |                            |                                               |
| Ink Ball / Felt Pen  | ✓                                                       |                             |                            |                                               |
| Liquid Ink           | ✓                                                       |                             | ✓                          |                                               |
| Marker Ink           | ✓                                                       |                             |                            |                                               |
| Miscellaneous Cement |                                                         |                             | ✓                          |                                               |
| Tar                  | ✓                                                       |                             |                            |                                               |
| Calcar               |                                                         |                             | ✓                          |                                               |
| Edible Oil           | ✓                                                       |                             |                            |                                               |
| Cigarette            |                                                         |                             | ✓                          |                                               |
| Glue                 | ✓                                                       |                             |                            | ✓                                             |
| Ice Cream            |                                                         |                             |                            | ✓                                             |
| Paints               | ✓                                                       |                             | ✓                          |                                               |
| Resins               | ✓                                                       |                             |                            |                                               |
| Rust                 |                                                         |                             | ✓                          |                                               |
| Blood                |                                                         |                             |                            | ✓                                             |

## TILES FIXING INSTRUCTIONS

1. Plaster the surface of the floor where the tiles will be laid with smooth finish and complete the plastering and curing at least two weeks prior to laying.  
2. Before fixing BLACKBERRY tiles, lay them out in the desired pattern and make sure that they give an acceptable blend of colour. Please note that certain amount of shade variation is inherent in the manufacture of fully Vitrified ceramic tiles. THE COMPANY WILL BEAR NO LIABILITY AFTER THE TILES ARE FIXED.  
3. The company bears no responsibility towards the tiles exposed to any outside process like transfers, printing, firing etc.  
4. For fixing BLACKBERRY tiles we recommend the use of tile fixing adhesives for best results. Also follow the fixing instructions provided along with the adhesives.  
5. For fixing BLACKBERRY tiles on the floor, using sand and cement, follow the instructions given below: (a) Use cement and sand mortar in the ratio of 1:4. Add some water to create a consistent paste. (b) Once the mixing has completed do not add any further water and use the same within one hour. (c) Apply a 20-30 mm layer of bedding material over an area of 1 square meter at a time on the surface of the area. Apply a fine slurry to the back of the tile to ensure proper and full bedding. Press gently for even adherence at the back of the tile. DO NOT USE AN IRON HAMMER OR SOME HEAVY MATERIAL TO PRESS THE TILE.  
6. For fixing BLACKBERRY tiles on Dado, we recommend the use of tile fixing adhesive with proper trowelling method for 100 per cent coverage behind the tiles and for peerless bonding. Please follow the manufacturer's instructions for the same. We do not recommend the use of sand and cement for fixing on Dado.  
7. Make and lay out the tiles from the center of the area to be laid so that cut tiles, if any, will be on the outer edges towards the walls.  
8. The work size which we try to maintain for better technical performance is 800mm x 800mm, 800mm x 1200mm on average. It is advisable to maintain a gap of 1 mm to 2 mm between every two tiles to allow for possible expansion as per BIS/DIN tolerance norms.  
9. Complete the laying process by pressing the cut BLACKBERRY tiles firmly into place along the walls/floors.  
10. Allow 3-4 days for bed curing. After this period fill the joints with grouts. Usage of grout sealant is recommended for keeping the grout free of dust.  
11. Fifteen minutes after finishing the grouting process, wipe off excess grout with a damp sponge and polish the tiles with a soft and dry cloth for a clean surface. The tiles can also be cleaned with a mild acid (However, Hydrofluoric acid and its derivatives should not be used).  
12. Please note that the company does not accept any liability in case of problems arising out of non-adherence to these fixing instructions.

Kindly look for the arrow (→) on the back of the tile and follow the laying pattern as shown in Pic-1:



Nothing in these instructions is a Substitute for Good Workmanship and Supervision



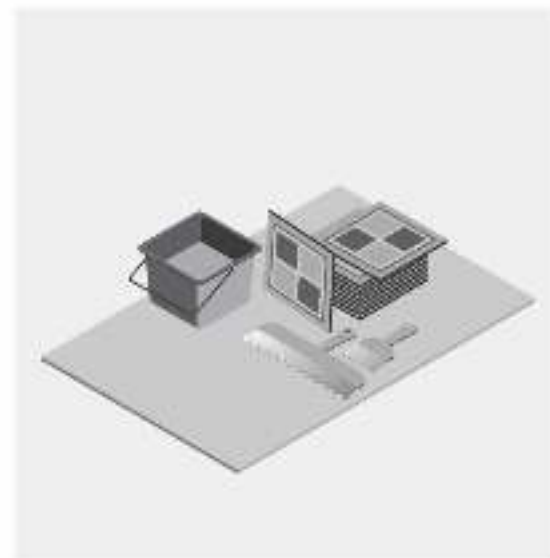


## Tiles Fixing Instructions

1. All the tiles must be checked prior to fixing for quality, batch no. and choice.
2. Plaster the surface of the floor to be tiled and allow curing atleast two weeks before tiling.
3. While fixing pick tiles from various boxes alternatively, lay them in the desired patterns and make sure that they give an acceptable blend of colour and design. Please note that shade variation is inherent in manufacturing tiles.
4. For fixing tiles we recommend to use the fixing adhesives or equivalent product for the best result.
5. For fixing tiles in floor using conventional method, we suggest the following laying instruction:
  - A: Use cement and sand mortar in the ratio 1:4. Add water to create a consistent paste.
  - B: Apply 20-25MM of bedding materials over the floor area of 1.0 SQM at a time.
  - C: Apply a thin coat of the slurry on the back of the tile to ensure proper and full bedding. Press gently for even adherence of the tiles with surface.  
Do not use any heavy materials like iron or hammer to press tile.
6. For fixing the tools on Dado, we recommend the use of adhesive or equivalent materials.
7. Allow 3-4 days of bed curing after Laying tiles and later fill the joints with grout.
8. We recommend maintaining a joint gap of 1-2mm between the tiles to allow possible thermal expansion at later stage.
9. Please note that company will not accept any liability in case of any problems arising out of adherence of above fixing instructions.



**Step-1**  
**Surface Preparation**



**Step-2**  
**Preparation of Subgrade**



**Step-3**  
**Laying of tiles on the Surface**



**Step-4**  
**Post Tiling Work**





## Cleaning after Laying

We suggest a good initial cleaning after the laying on the floor or wall, this is very important for removing residual grouting and the normal dirt coming from the building works.

We suggest the use of a cementitious descaler, that is a lightly acid product that doesn't emit fumes that are harmful for the user and that can attack joints. In case of material layed with epoxy or resinous grouting, we recommend to clean after laying with specific detergent.



## Regular Maintenance

For a good cleaning of the floor we suggest the use of a natural detergent with a high cleaning power. In case of strong dirty and encrusted by the time, we recommend to consult the following scheme to find the perfect solution to every situation

## Recommendations

### Drying Process

Once the tiles have been grouted and any excess grout cleaned off, it is important to wait the stipulated time before using the tiled surface; in other words, any cleaning should wait until the tiled surface is completely dry. We recommend waiting 5 days before cleaning in readiness for full use.

### Damage Prevention

Measures should also be taken to protect the newly tiled surface against mechanical or chemical damage resulting from subsequent work by other professionals or later installations. Damage can be prevented by covering the floor tiles with thick cardboard or similar material.

### Protection from Liquid

The newly tiled surface must be protected from water and damp while the adhesive and grouting materials are maturing and hardening. This is particularly important in outside spaces and areas where there is a risk of freezing.

### Cleaning Products

For the final cleaning of the tiled surface, the products used should be compatible with the chemical resistance of the tiles. Avoid solid detergents with abrasive particles and solutions containing hydrofluoric acid, which attacks the glaze and causes irreversible damage to the ceramic tile.

### TYPE OF DIRT

Cement, Kalkstein, metal tracer, rust

Residuals, stains and halos of epoxi joints

Grease, tire marks, colours, marker, etc.

Graffiti

### PRODUCT

Cementitious descaler

Epoxi descaler

Non soap degrease

Acetone and antigraffiti star



## Size-able Showcase



The intricacies of size and design affect the whole outlook and we understand your concern about the size specifications quite well. Also, the design that's uniform and long-lasting has a greater impact on your investment. Choose BlackBerry Tiles and you need not worry about anything. Just let us know what you need

|                     |                          |
|---------------------|--------------------------|
| 1200 x 2400mm       | GVT                      |
| 800 x 2400mm(15mm)* | GVT                      |
| 1200 x 1800mm*      | GVT                      |
| 800 x 1600mm        | GVT                      |
| 260 x 1600mm        | WOODEN GVT               |
| 600 x 1200mm        | GVT                      |
| 195 x 1200mm        | WOODEN GVT               |
| 600 x 600mm         | GVT                      |
| 600 x 900mm(16mm)*  | OUTDOOR GVT              |
| 600 x 600mm(16mm)*  | OUTDOOR GVT              |
| 300 x 600mm         | CERAMIC WALL TILES       |
| 300 x 300mm         | CERAMIC WALL/FLOOR TILES |



\*upcoming





CERAMIC for LUXURY

## BLACKBERRY TILES PVT. LTD.

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