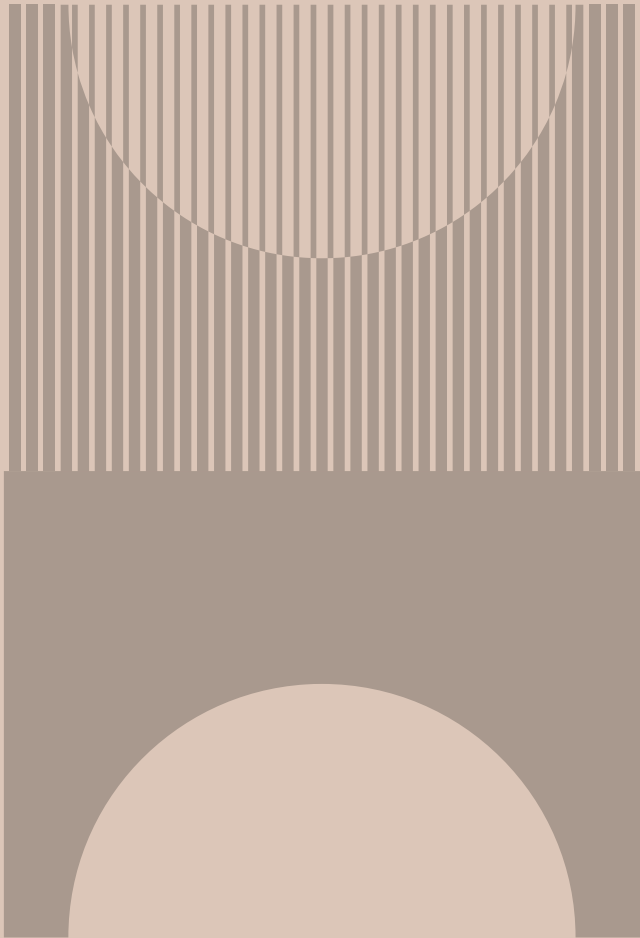




ENDLESS SOPHISTICATION



**NORWAY**  
COLLECTION



**800x1600mm**  
9mm Thickness

# ABOUT MOTTO GROUP

Motto is one of the most dynamic & productive brands of the modern ceramic world that is brought to life by a Visionary person Mr. Mahendra Patel. Over the years the company has developed manifold. Since 2004 - the inception year, to today we have expanded our reach to national & international arenas with a capillary presence in more than 70+ countries with than 2500 satisfied customers.

Finest skills clubbed with state-of-the-art technology have helped us to carve a niche, which is stamped by authorities as we are ISO 9001:2018 Certified. Overall the company has marked its position as the leading Manufacturer, Exporter and Supplier of the exquisite Ceramic Porcelain Tiles for Wall & Floor.

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[www.mottogroup.in](http://www.mottogroup.in)














# Revamp Your Space with Magnificent Look

With a commitment to quality and exceptional customer service, we are here to help you create a space that reflects your unique style and personality. Explore our collection and discover the perfect tiles to transform your home into a haven of beauty and functionality.







MARBLE+



## FEATURES

-  9MM Thickness
-  Frost Resistance
-  Stain Resistance
-  Easy to Clean
-  Chemical Resistance
-  Ecological Finish
-  Fire Proof
-  Easy to Install
-  Anti-slip Finish

## APPLICATIONS

-  Shops
-  Offices
-  Malls
-  Airports
-  Hotels
-  Restaurant



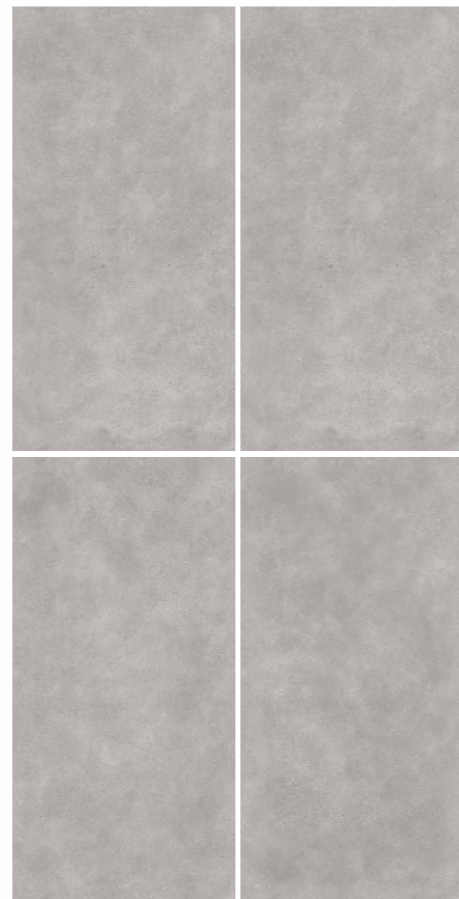


800x1600mm  
9mm Thickness

Design Name :  
Norway Cemento - 5

Finish :  
Matt

End Less :  
4 Face



Norway Cemento - 5

Product Features



MARBLE+





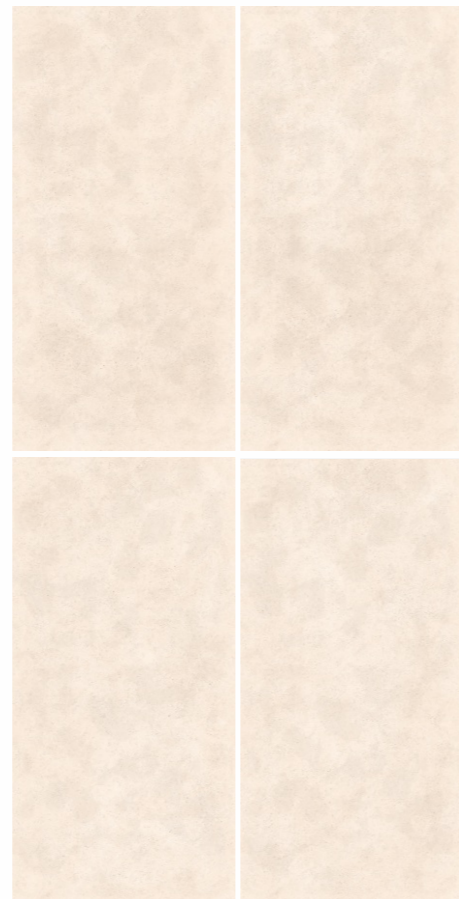


**800x1600mm**  
9mm Thickness

Design Name :  
Norway Crema - 5

Finish :  
**Matt**

End Less :  
4 Face



**Norway Crema - 5**

Product Features



MARBLE+







800x1600mm  
9mm Thickness



Design Name :  
Norway Grey - 5

Finish :  
Matt

End Less :  
4 Face

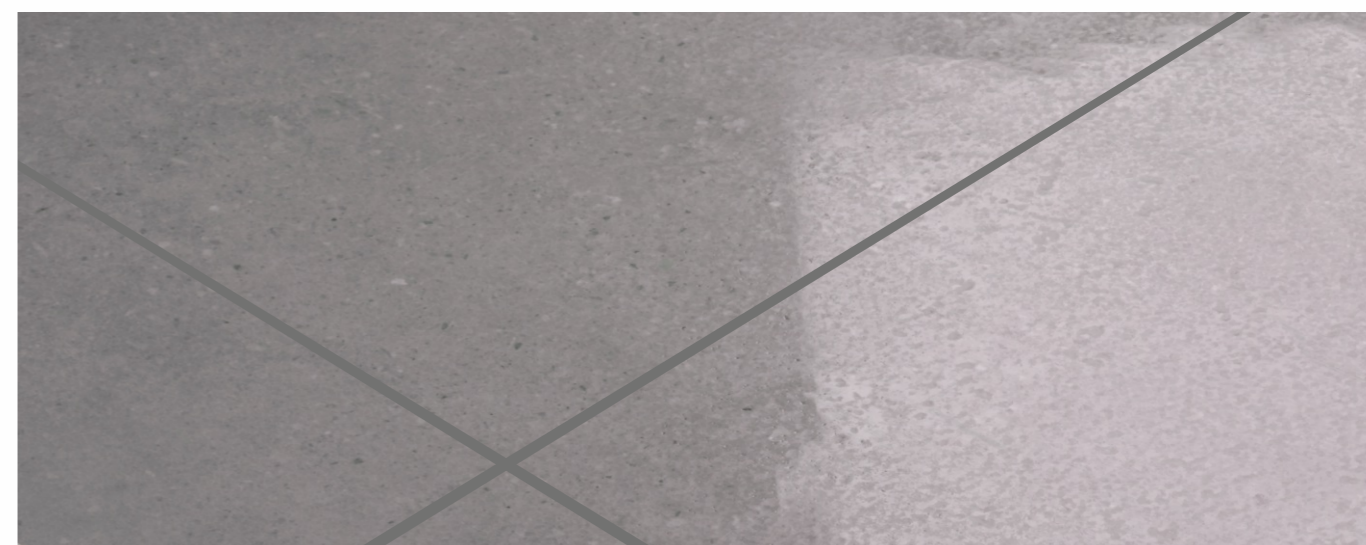


Norway Grey - 5

Product Features



MARBLE+





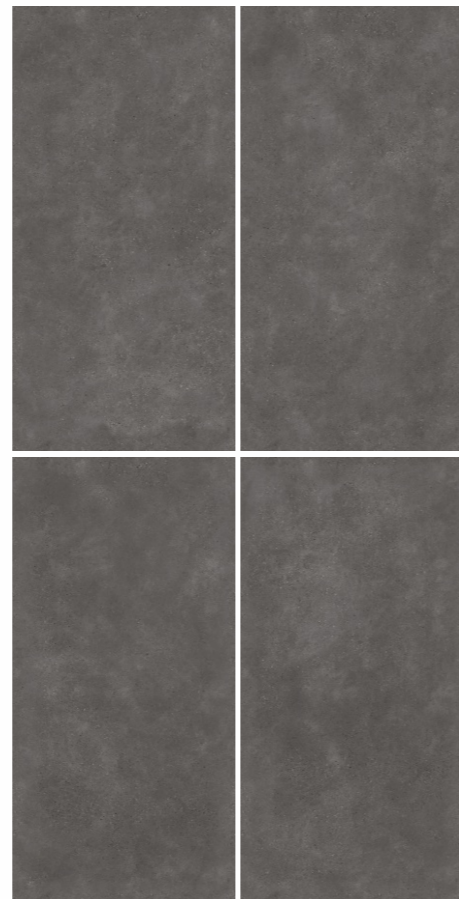


800x1600mm  
9mm Thickness

Design Name :  
Norway Gris - 5

Finish :  
Matt

End Less :  
4 Face



Norway Gris - 5

Product Features



MARBLE+





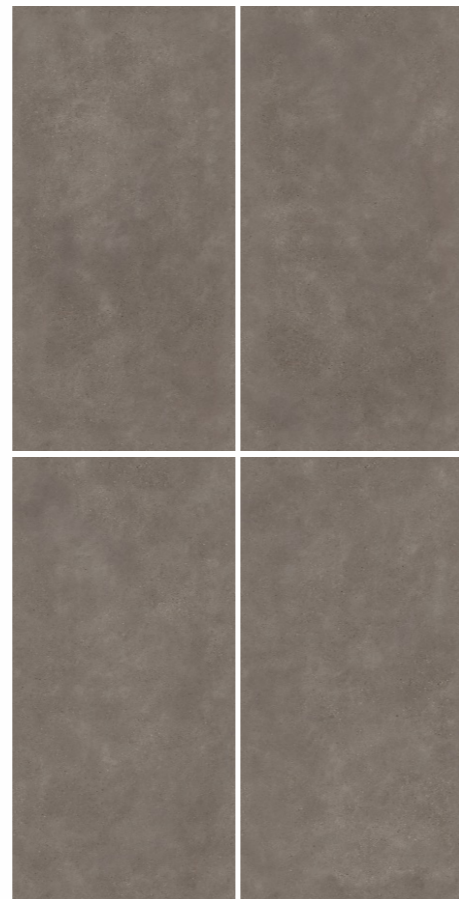


800x1600mm  
9mm Thickness

Design Name :  
Norway Taupe - 5

Finish :  
Matt

End Less :  
4 Face



Norway Taupe - 5

Product Features



MARBLE+







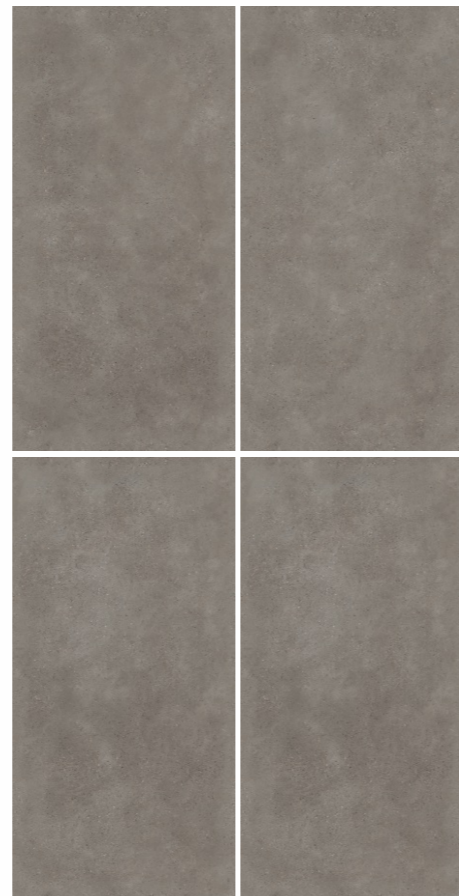
800x1600mm  
9mm Thickness



Design Name :  
Norway Verde - 5

Finish :  
Matt

End Less :  
4 Face



Norway Verde - 5

Product Features



MARBLE+



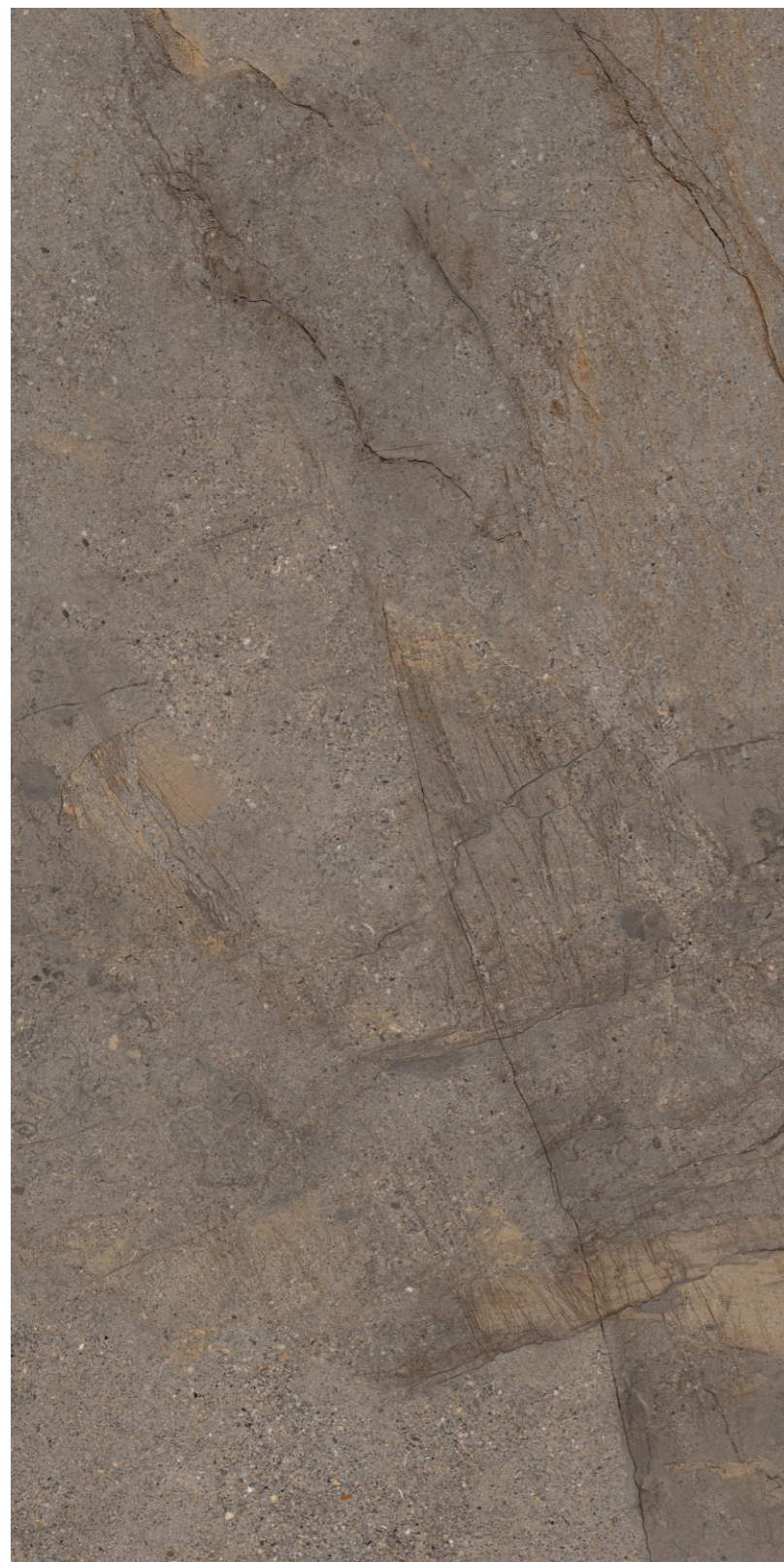


**800x1600mm**  
9mm Thickness

Product Features



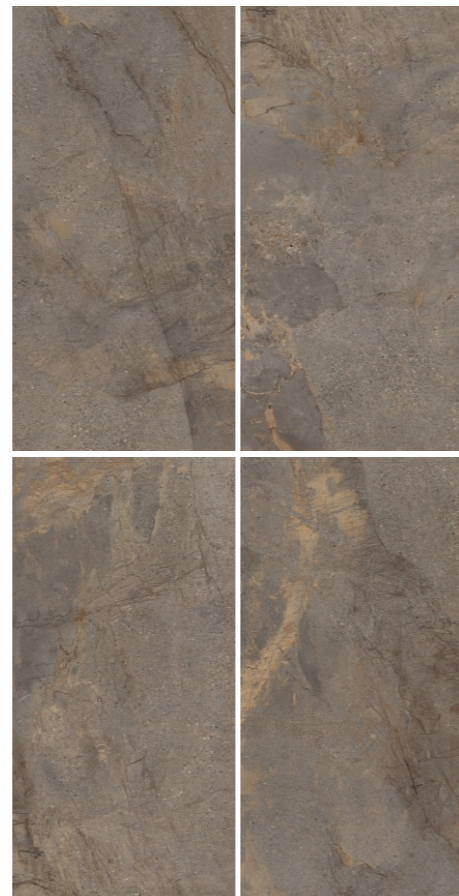
MARBLE+



Design Name:  
Astana Brown - 5

Finish:  
Matt Carving

Random:  
4 Face



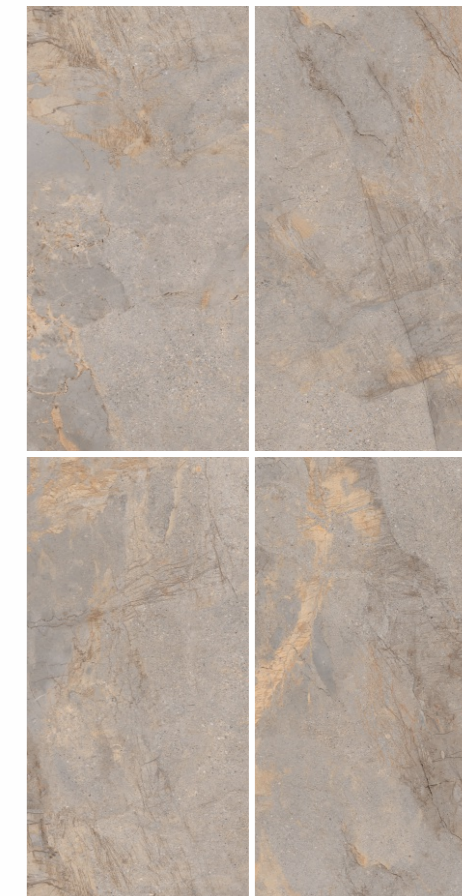
**Astana Brown - 5**



Design Name:  
Astana Crema - 5

Finish:  
Matt Carving

Random:  
4 Face



**Astana Crema - 5**





800x1600mm  
9mm Thickness

Product Features



MARBLE+



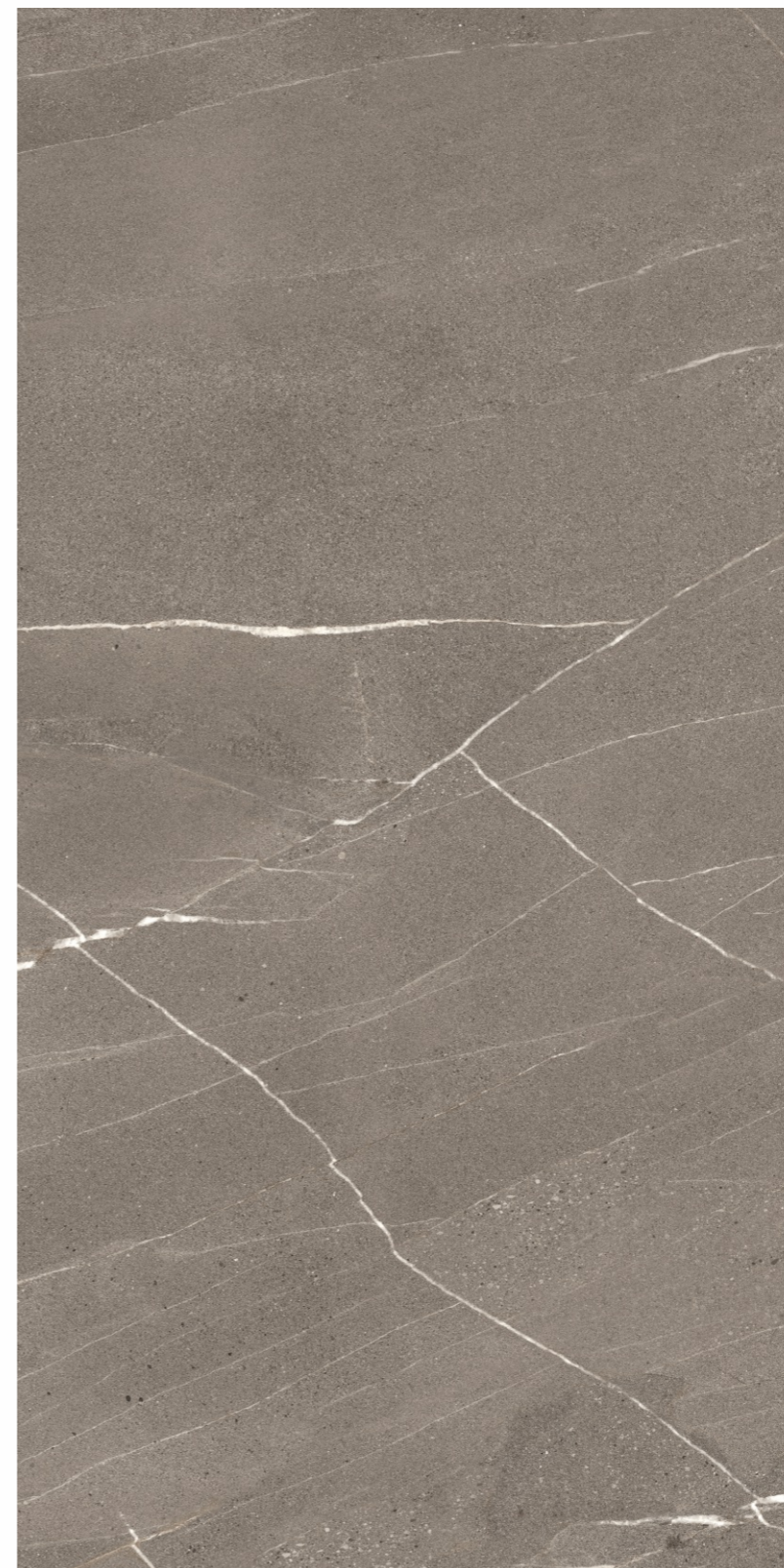
Design Name:  
Monocrome Ash - 5

Finish:  
Matt Carving

Random:  
4 Face



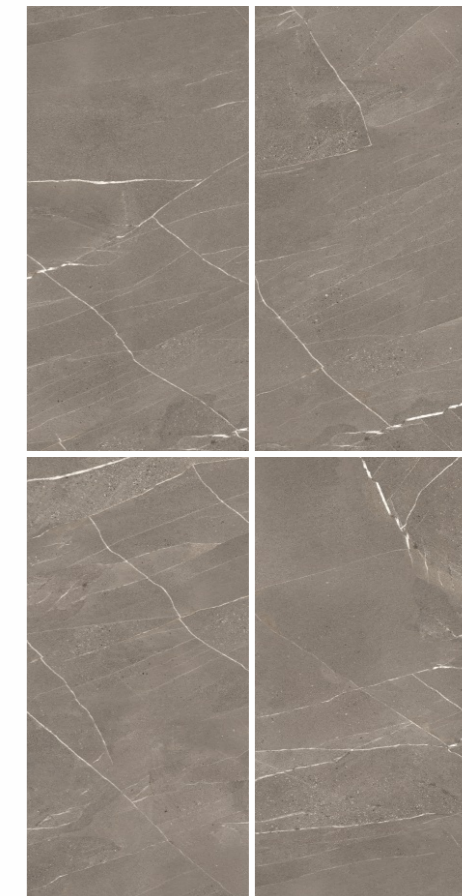
Monocrome Ash - 5



Design Name:  
Monocrome Grey - 5

Finish:  
Matt Carving

Random:  
4 Face



Monocrome Grey - 5





800x1600mm  
9mm Thickness

Product Features



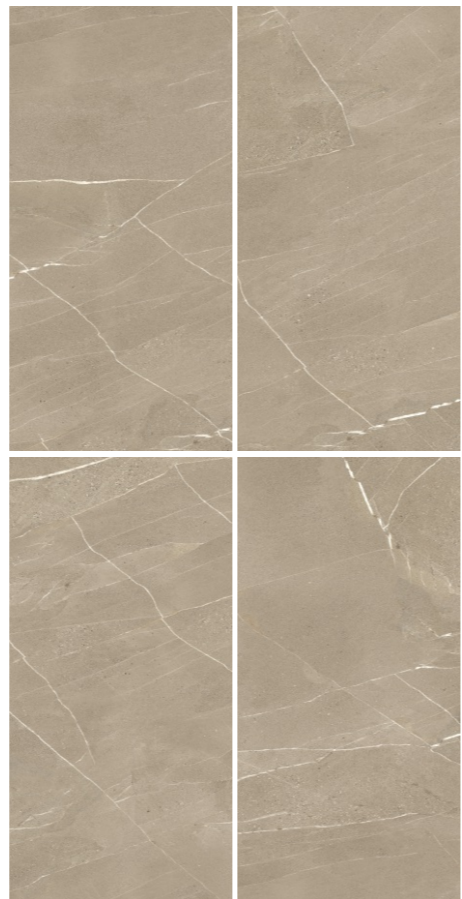
MARBLE+



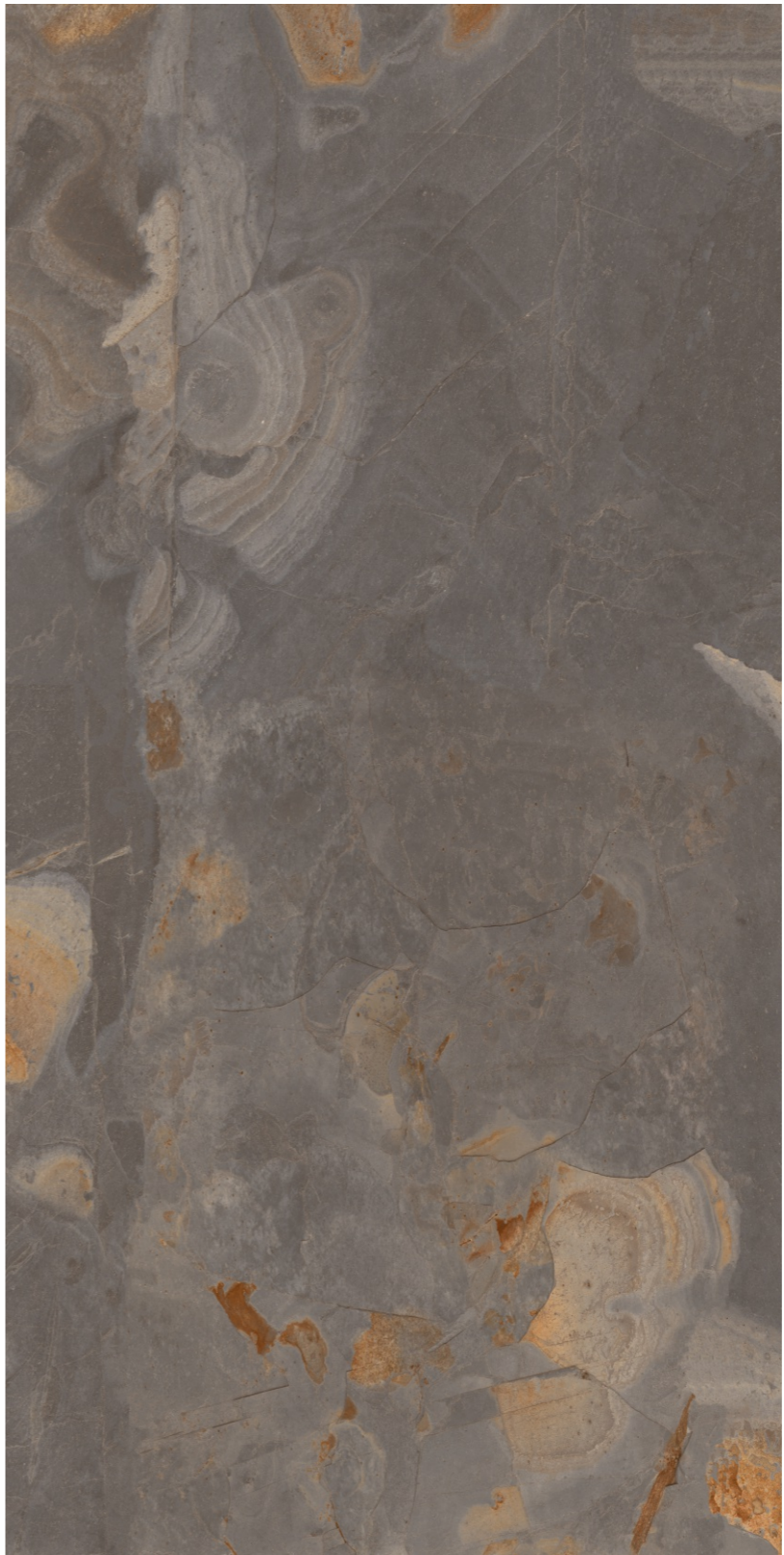
Design Name :  
Monocrome Crema - 5

Finish :  
Matt Carving

Random :  
4 Face



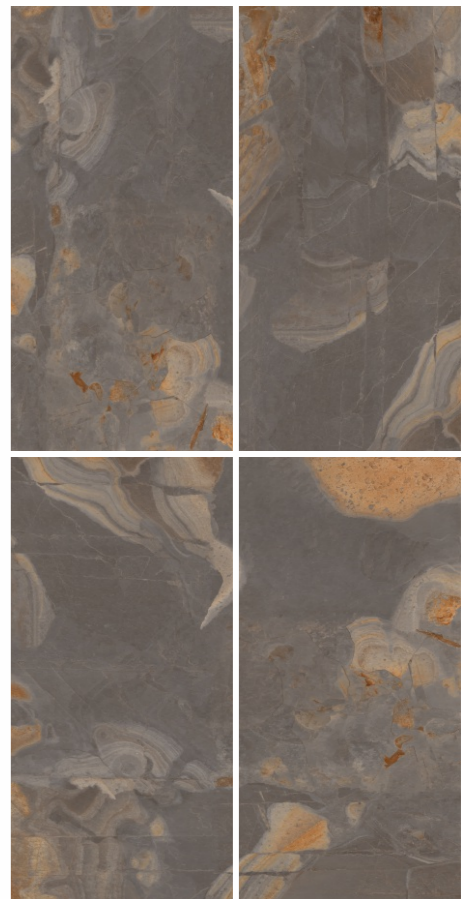
Monocrome Verde - 5



Design Name :  
Slate Glod - 5

Finish :  
Matt Carving

Random :  
4 Face



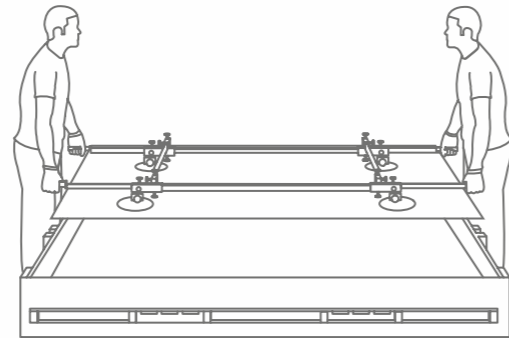
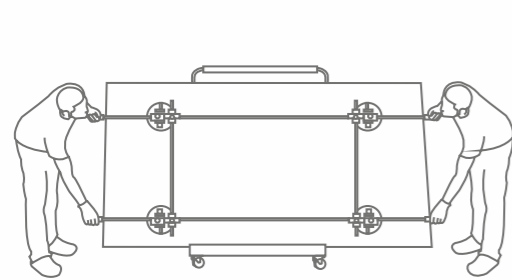
Slate Gold - 5



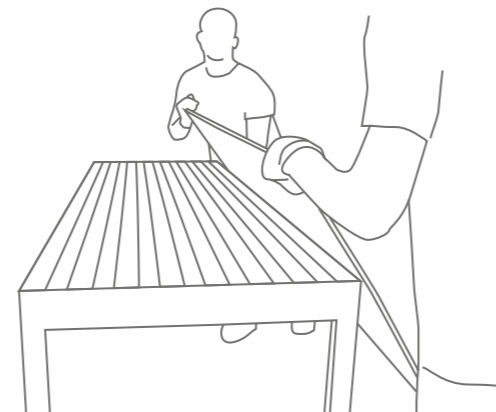
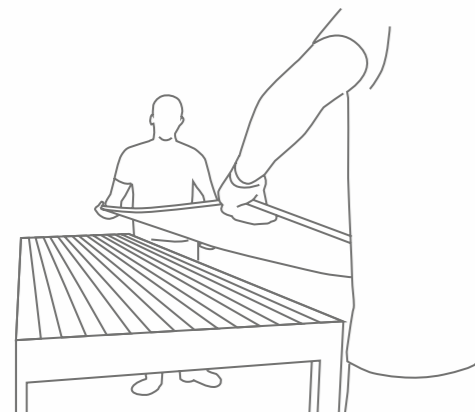
## MANUALLY TRANSPORTING TILES

Only for 1/4" Slabs

### MOVING A TILE



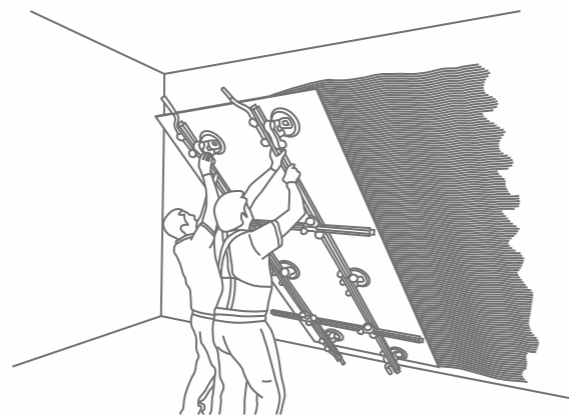
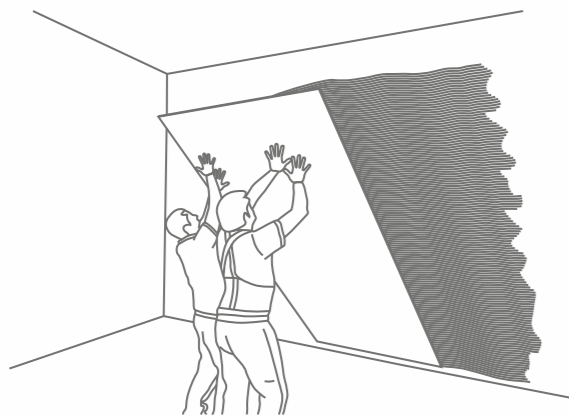
### RAISING A IMMEDIATE TILE ONTO A BENCH



✗ INCORRECT

✓ CORRECT

### HANDLING IMMEDIATE TILE FOR WALL

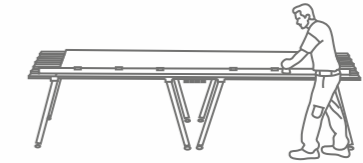


✗ INCORRECT

✓ CORRECT

## WORKING WITH THE VARIOUS VERSIONS OF TILES

### CUTTING WITH DIAMOND DISCS



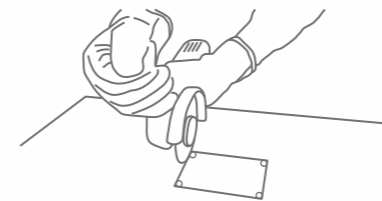
Our products can be cut using diamond discs fitted onto the hand-held electrical grinding machine. The speed of Disc rotation must be high (>10000 RPM) and should have a low feed rate (< 1 m/min). It may be required to cool the disc with water. Recommended discs are the thin types generally used for cutting porcelain stoneware. The surface should be kept on a FLAT base while cutting without any gap underneath

### DRILLING



You can use cutting discs fitted to battery-operated screwdrivers or angle grinders, electrical drills as an alternative.

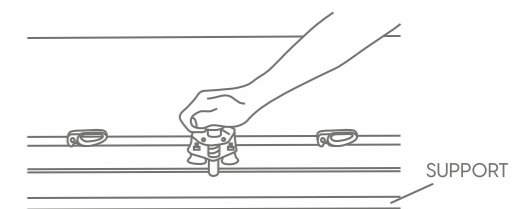
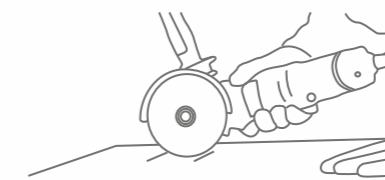
### INTERNAL CUT / L-SHAPED CUT



To get internal and L-shaped corners & to reduce the risk of breakage, round o the vertex of the internal corner using bits with a radius of at least 5mm. Then cut with diamond discs, be cautious to stop moving the cutting tool forward. To drill and cut using diamond discs, follow the instructions provided above.

When using these tools:  
 -Cool the point being drilled with water  
 -Don't put too much pressure and bear in mind the resistance of the type of laminated stoneware you are working on  
 -If you are using tungsten bits, start drilling at a low speed  
 -If you are using drills or screwdrivers, do not select hammering mode

### EDGE-FINISHING



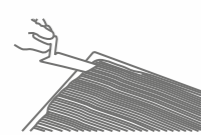


## INSTRUCTIONS FOR MANUAL INSTALLATION

SINGLE LAYER METHOD



DOUBLE-LAYER METHOD



COMPRESSING THE TILE



## IMPORTANT

All cutout corners must have a minimum diameter of 1/4". Never leave 90° angles. We recommend radiuses of more than 1/4" when the kitchen the design allows as it makes the countertop firmer.



✓ CORRECT



✗ INCORRECT



✗ INCORRECT



✗ INCORRECT

## CLEANING & MAINTENANCE

Our products are non porous (due to their high quality raw materials, stringent production parameters and state of the art technology), hence any dust or deposited waste cannot penetrate the surface.

For most cases only a damp cloth is sufficient for cleaning.

Regular cleaning highlights the aesthetic features of the surface and gives it exceptional shine.

For highly aggressive cleaning caused by some common food and substances follow the table below.

| TYPE OF STAIN | CHEMICAL PRODUCT   | EXAMPLE                                    |
|---------------|--------------------|--|
| Grease        | Alkaline - Solvent | Detergent                                  |
| Oil           | Solvent            | Ammonia, Baking Soda                       |
| Ink           | Oxidant - Solvent  | Alcohol, Liquid Bleach, Nail Paint Remover |
| Rust          | Acid               | Hydrochloric Acid, Vinegar, Red Harpic     |
| Lime          | Acid               | Descaling Reagent, Hydro Chloric Acid      |
| Cement        | Acid               | Hydro Chloric Acid                         |
| Wine          | Alkaline           | Ammonia, Liquid Bleach                     |
| Coffee        | Alkaline - Solvent | Ammonia, Liquid Bleach                     |
| Rubber        | Solvent            | Alcohol, Thinner                           |
| Plaster       | Acid               | Hydro Chloric Acid                         |
| Candle Wax    | Solvent            | Alcohol, Thinner                           |
| Iodine        | Oxidant            | Liquid Bleach                              |
| Blood         | Oxidant            | Liquid Bleach                              |
| Ice Cream     | Alkaline           | Liquid Bleach                              |

Note: It is recommended that any kind of stain needs to get clean immediately / as soon as possible.

## TECHNICAL SPECIFICATIONS

| CHARACTERISTIC                       | STANDARD AS PER ISO-13006/2018 En14411 gr.bla | MOTTO VALUE               | TEST METHOD  |
|--------------------------------------|---|---------------------------|--------------|
| <b>Regulatory Properties</b>         |   |                           |              |
| Deviation in Length & Width          | ±0.5%   | ±0.2%                     | ISO 10545-2  |
| Deviation in Thickness               | ±5%   | ±5%                       | ISO 10545-2  |
| Straightness of Sides                | ±0.5%   | ±0.2%                     | ISO 10545-2  |
| Rectangularity                       | ±0.5%   | ±0.2%                     | ISO 10545-2  |
| Surface Flatness                     | ±0.5%   | ±0.3%                     | ISO 10545-2  |
| Colour Difference                    | ΔE<1.00                                       | ΔE<0.30                   | ISO 10545-16 |
| Glossiness                           | As per Mfg.                                   | As Per Mfg.               | GlossMeter   |
| <b>Structural Properties</b>         |   |                           |              |
| Water Absorption                     | ≤0.5 %  | ≤0.3 %                    | ISO 10545-3  |
| Apparent Density                     | As Per Mfg.                                   | >2.20 g/cc                | ISO 10545-3  |
| <b>Massive Mechanical Properties</b> |   |                           |              |
| Modulus of Repture                   | Min.35N/mm <sup>2</sup>                       | Min.40N/mm <sup>2</sup>   | ISO 10545-4  |
| Breaking Strength                    | Min. 1300 N                                   | Min. 2000 N               | ISO 10545-4  |
| Impact Resistance                    | As per Mfg.                                   | Min. 0.55                 | ISO 10545-4  |
| <b>Surface Mechanical Properties</b> |   |                           |              |
| Surface Abrasion Resistance          | As per Mfg.                                   | Min. class 3              | ISO 10545-7  |
| Moh's Hardness                       | As per Mfg.                                   | Min. class 4              | BS EN 15771  |
| <b>Thermo Hygrometric Properties</b> |   |                           |              |
| Frost Resistance                     | As Per Mfg.                                   | Frost Proof               | ISO 10545-12 |
| Thermal Shock Resistance             | Min. 10 Cycle                                 | Min. 10 Cycle             | ISO 10545-9  |
| Moisture Expansion                   | Max. 0.6mm/m                                  | Max. 0.02mm/m             | ISO 10545-10 |
| Thermal Expansion                    | Max. 9.0 x 10 <sup>-6</sup>                   | Max. 6.0x10 <sup>-6</sup> | ISO 10545-8  |
| <b>Chemical Properties</b>           |   |                           |              |
| Chemical Resistance                  | As Per Mfg.                                   | No Damage                 | ISO 10545-13 |
| Stain Resistance                     | Resistant                                     | Resistant                 | ISO 10545-14 |
| <b>Safety Properties</b>             |   |                           |              |
| Slip Resistance                      | As per Mfg.                                   | N. A.                     | DIN 51130    |
| Fire Resistance                      | As per Mfg.                                   | Fire Proof                | N. A.        |

## PACKING DETAILS

| Dimension ( mm ) | No. of PC's/Box | Square Feet    | Weight ( Approx ) |
|------------------|-----------------|----------------|-------------------|
| 800x1600mm       | 2 Pcs.          | 27.55 Sq. Feet | 52 Kg.            |





**MOTTO GROUP**

8-A, National Highway, Sartanpar Road, At. Sartanpar,  
Ta. Wankaner, Morbi - 363 621, Gujarat, INDIA

**Mail.** [info@mottogroup.in](mailto:info@mottogroup.in), **Web.** [www.mottogroup.in](http://www.mottogroup.in)

**Toll-free.** 1800 123 2124

**Call.** +91 95123 80072