

**MOTTO**

FUTURE SURFACES

INSPIRING CREATION



**OPEL**

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. Mahendea 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)



M A R B L E +

MOTTO

FUTURE SURFACES

## Adorning Your Spaces With Muted And Sophisticated Hues

With our dedication to quality and exceptional customer service, we are here to assist you in revitalizing your home, crafting an environment that resonates with your individual style and preferences. Explore our collection and uncover the perfect tiles to invigorate your living spaces with unparalleled beauty and functionality.

We take pride in being your reliable partner on your journey to transform your home into a place that exudes charm and comfort, creating memories to last a lifetime.



**800x1600mm**

**9mm** Thickness

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800x1600mm  
9mm Thickness

Design Name :  
Opel Crema

Finish :  
Matt Carving

End Less :  
4 Face



Opal Crema - 1

Product Features



MARBLE+





800x1600mm  
9mm Thickness

Design Name :  
Opel Grey

Finish :  
Matt Carving

End Less :  
4 Face



Opal Grey - 1

Product Features



MARBLE+





800x1600mm  
9mm Thickness

Design Name :  
Opal Silver

Finish :  
Matt Carving

End Less :  
4 Face



Opal Silver - 1

Product Features



MARBLE+





800x1600mm  
9mm Thickness

Design Name :  
Statuario Classic

Finish :  
Matt Carving

End Less :  
3 Face

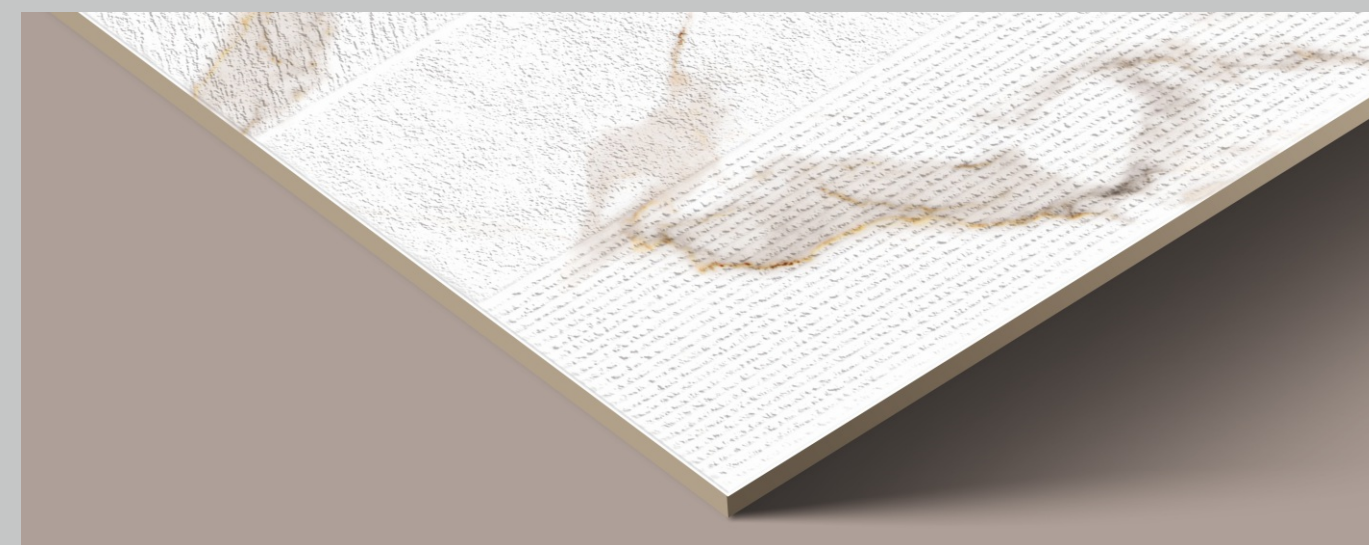


Statuario Classic - 1

Product Features



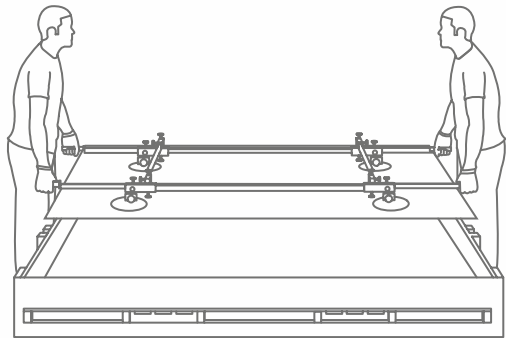
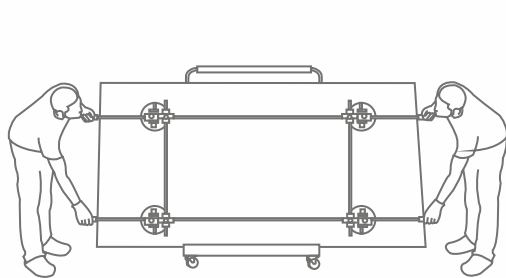
MARBLE+



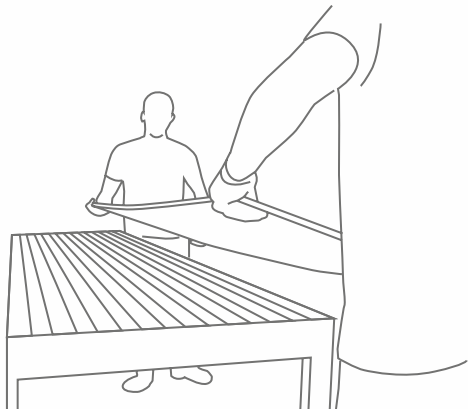
# MANUALLY TRANSPORTING TILES

Only for 1/4" Slabs

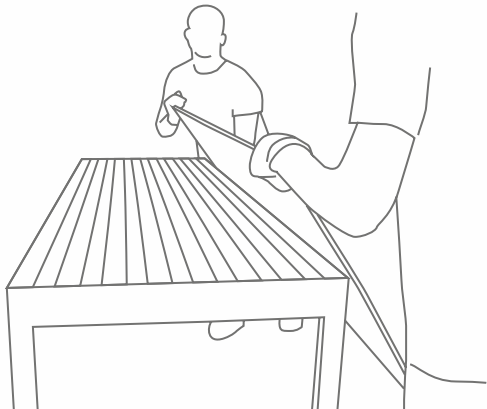
## MOVING A TILE



## RAISING A IMMODERATE TILE ONTO A BENCH

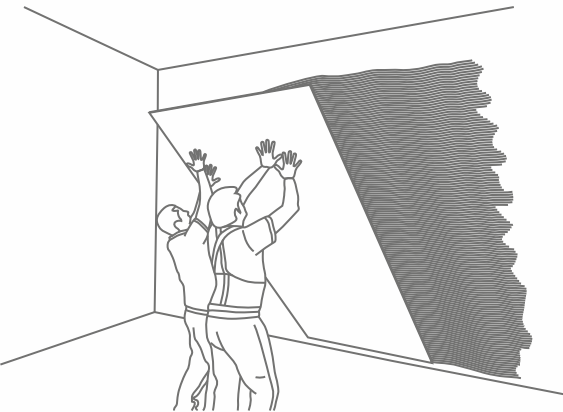


✗ INCORRECT

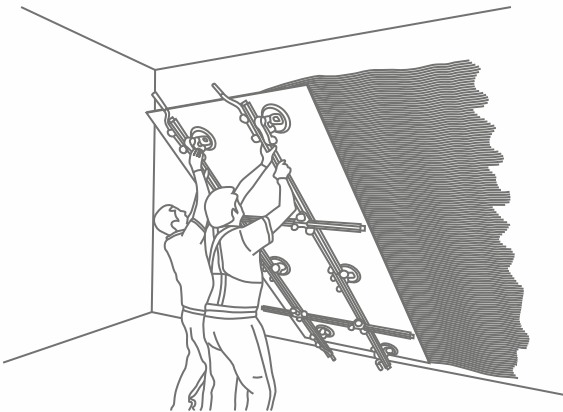


✓ CORRECT

## HANDLING IMMODERATE TILE FOR WALL



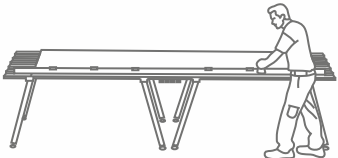
✗ INCORRECT



✓ CORRECT

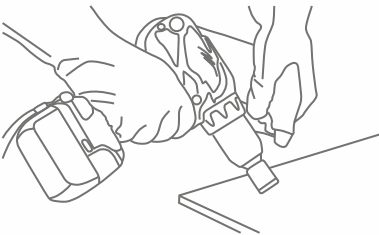
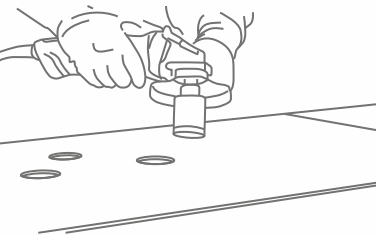
# WORKING WITH THE VARIOUS VERSIONS OF TILES

## CUTTING WITH DIAMOND DISCS



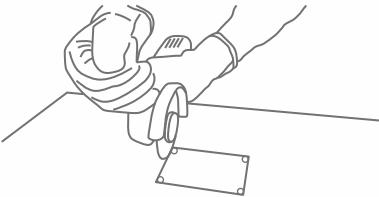
Our products can be cut using diamond discs fitted onto the hand-held electrical grinding machine. The speed of Disc rotation must be high (>10000 RPM) and should have a low feed rate (< 1 m/min). It may be required to cool the disc with water. Recommended discs are the thin types generally used for 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.

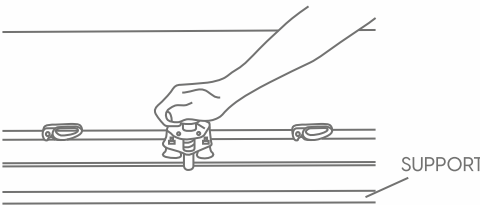
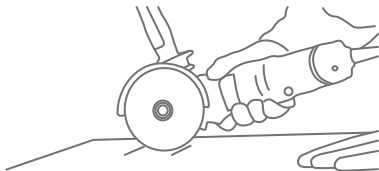
## INTERNAL CUT / L-SHAPED CUT



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

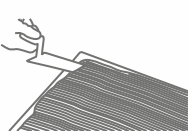


INSTRUCTIONS FOR MANUAL INSTALLATION

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 & MAINTENCE

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, Backing 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  |
|-------------------------------|-----------------------------------------------|---------------------------|--------------|
| Regulatory Properties         |                                               |                           |              |
| 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   |
| Structural Properties         |                                               |                           |              |
| Water Absorption              | ≤0.5 %                                        | ≤0.3 %                    | ISO 10545-3  |
| Apparent Density              | As Per Mfg.                                   | >2.20 g/cc                | ISO 10545-3  |
| Massive Mechanical Properties |                                               |                           |              |
| 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  |
| Surface Mechanical Properties |                                               |                           |              |
| Surface Abrasion Resistance   | As per Mfg.                                   | Min. class 3              | ISO 10545-7  |
| Moh's Hardness                | As per Mfg.                                   | Min. class 4              | BS EN 15771  |
| Thermo Hygrometric Properties |                                               |                           |              |
| 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  |
| Chemical Properties           |                                               |                           |              |
| Chemical Resistance           | As Per Mfg.                                   | No Damage                 | ISO 10545-13 |
| Stain Resistance              | Resistant                                     | Resistant                 | ISO 10545-14 |
| Safety Properties             |                                               |                           |              |
| 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**

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