ORIENTCERAMICA

Zero Shine

EDITION 2025

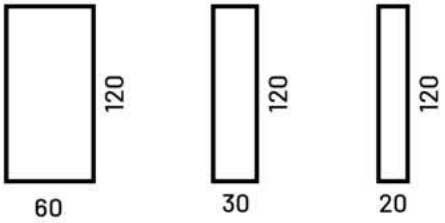
ORIENT CERAMICA

MAMRI ANGUS

MARMI ANGUS

FL MARMI ANGUS ZG 600X1200 GR D

SIZE



30X120 AND 20X120 WILL BE PRODUCED ON DEMAND

SURFACE & FINISH

ZERO SHINE

AVAILABLE COLORS

Tile Faces

FACE 1

FACE 2

Colors shown in the catalogue are for reference only. Please check physical tile before buying.

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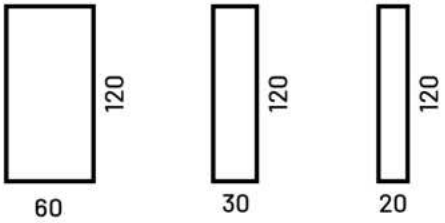
MARMI VENETZ

MARMI VENETZ

FL MARMI VENETZ ZG 600X1200 GR D

SIZE



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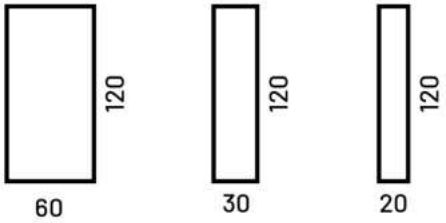
MARMI TREVES

MARMI TREVES

FL MARMI TREVES ZG 600X1200 WT L

SIZE



30X120 AND 20X120 WILL BE PRODUCED ON DEMAND

SURFACE & FINISH

ZERO SHINE

AVAILABLE COLORS

Tile Faces

FACE 1

FACE 2

FACE 3

FACE 4

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TECHNICAL DATA SHEET

Sr. No.		TECHNICAL CHARACTERISTICS	STANDARD TEST METHOD	INTERNATIONAL STANDARD	ORIENT CERAMICA
1.		Length & Width	BS EN ISO 10545-2	+/- 0.6%	+/- 0.1%
2.		Thickness	BS EN ISO 10545-2	+/- 5.0%	+/- 3.0%
3.		Rectangle Squareness	BS EN ISO 10545-2	+/- 0.6%	+/- 0.2%
4.		Straightness of Sides	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%
5.		Surface of Flatness	BS EN ISO 10545-2	+/- 0.6%	+/- 0.2%
6.		Water Absorption	BS EN ISO 10545-3	<= 0.5%	< 0.1%
7.		Modulus of Rupture	BS EN ISO 10545-4	>= 35N/mm2	>= 40N/mm2

Sr. No.		TECHNICAL CHARACTERISTICS	STANDARD TEST METHOD	INTERNATIONAL STANDARD	ORIENT CERAMICA
8.		Breaking Strength	BS EN ISO 10545-4	>= 1300 N	>= 2000 N
9.		Resistance to Deep Abrasion	BS EN ISO 10545-7	<= 175/mm3	PEI IV
10.		Resistance to Thermal Shock	BS EN ISO 10545-9	No visible defects	Resistant
11.		Frost Resistance	BS EN ISO 10545-12	No visible damage	Resistant
12.		Resistance to Chemicals	BS EN ISO 10545-13	No visible defects	No visible defects
13.		Color Resistance to UV Lights	DIN 51094	No change in color	No change in color

Disclaimer: The actual tile colors may differ from the tile colors shown in this catalogue.

MAINTENANCE AND CLEANING OF TILES

Maintenance of ceramic and Grés porcelain tiles on dry surfaces is relatively easy. Orient Ceramica tiles are highly scratch and stain resistant.

By regularly sweeping the floor, you can help avoid scratches that small pebbles or sand can create.

Make it a habit to always wipe the soles of your shoes on a mat before entering the house. Thoroughly wipe up any spills using plain warm water.

While they are not likely to stain your tiles, spills may stain the grout between the tiles and if they are left to sit for too long, may also stain the actual tiles.

Plain water is the ideal cleaner because it leaves no residue if you dry the surface of the tiles thoroughly after cleaning.

If tiles are left wet after cleaning, there may be some unsightly mineral residue after the water dries, but this can easily be removed by spot cleaning.

If stains resist cleaning with water alone, you can use a mild acidic solution, such as white vinegar. Use it highly diluted and rinse with plain water then dry.

As food stains are acidic in nature, try using a mild alkaline solution.

Use common detergents sparingly, rinse with plain water and dry thoroughly.

GRÉS PORCELAIN TILES (Bla - GL):

Grés Porcelain Tiles are manufactured using pure, selectively Imported raw materials mixed using the most advanced extraction and sorting techniques; they are obtained with a production process similar to that of single fired tiles. The resulting product is top quality grés porcelain tile, obtained by raw material wet grinding, followed by partial drying by spraying, silo storage to allow homogenization of properties, and pressing with highly efficient hydraulic presses up to specific pressures more than 500 kg/cm2. The high pressure combined with high firing temperature exceeding 1200 °C results in highly compact & strong surface with very low water absorption (lower than 0.4 according to UNI EN ISO 10545-3) and extremely high mechanical resistance (average value exceeding 40 N/mm2 according to UNI EN ISO 10545-4).

Thanks to their low porosity, these Grès Porcelain tiles are frost proof and rated as belonging to the Bla GL class according to the international Standard ISO 13006 and European Standard UNI EN 14411 which requires water absorption ≤0.5%.The MoR (modulus of rupture) in accordance with UNI EN ISO 10545-4 results to 40 N/mm2 while the required value is 35 N/mm2. Orient Ceramica Grès Porcelain tiles are available in a wide range of designs, sizes & finishes.

ADVICE ON LAYING

Although our Grès Porcelain tiles can be Installed using traditional cement mortars, we advise using modern adhesives, while installing on wall. The two-layer spreading system is recommended to perfectly wet the back of the tile.

Quickly dipping each tile in water before installation will remove any dust on the back of the tile for perfect adhesion. Do not wet the tiles if you are using vinyl, acrylic resin adhesives or two component organic-solvent based adhesive.

It is advisable to incorporate suitable shrinkage flexion joints (movement/ expansion joints) when installing on large floors: the joints should never be spaced more than 4-5 linear meters apart Indoors and 3 linear meters apart outdoors. Be careful while using strong colored grouts as they might leave stains on the surface of the tiles that may be difficult to remove later.

TECHNICAL FEATURES

FULL BODY PORCELAIN TILES (BI A-UG L):

Full body porcelain tiles are manufactured using pure, selectively imported raw materials mixed using the most advanced extraction and sorting techniques; they are obtained with a production process similar to that of single-fired tiles.

The resulting product is top-quality Grès Porcelain tile, obtained by raw materials wet grinding, followed by partial drying by spraying, silo storage to allow homogenization of properties, and pressing with highly efficient hydraulic presses up to specific pressures more than 500 kg/cm2. The high pressure combined with a high firing temperature exceeding 1200 °C results in a highly compact and strong ceramic surface with very low water absorption (lower than o.1% according to

ORIENT CERAMICA

The Only **Grès Porcelain** Tile Manufacturer in Pakistan.