Pietra Naturale
NATURAL STONE PROGRAM

mosaic
Products, Design, Solutions,
www.mosaictileco.com
Natural Stone Guidelines

Natural Stone tiles should be installed by an experienced and qualified tile contractor or stone mason. Since these are natural products, it is essential that the client and the installer use appropriate setting materials that are specifically designed for use with stone. Mosaic is happy to assist in the choice of setting materials, however, we cannot be held responsible for their use for any particular purpose. We recommend TEC and Custom Building Products installation materials and can provide you with more specific instructions based on your particular application. Since each stone is unique with respect to color, veining, structure, etc., any samples that are submitted are intended to merely suggest the final outcome. Due to the inherent characteristics of the material, variations are guaranteed and part of the natural beauty of each stone.

Blending

Often the range and variation of patterns within one color and finish of stone is random – or it could be consistent. Since stone tiles are cut from large blocks, the patterning may be consistent within one carton but vary greatly from the next. Before starting an installation, it is imperative that all tiles be blended and sorted so the complete range can be seen. Mixing the tiles from all cartons will ensure a more uniform and well blended overall look.

Dry Layout

Most natural stones are one of the following:

- Directional – Grain running in one direction across the tile, like Onyx
- Figured – Veins and markings running in swirls or a number of directions, like Marble
- Multi-Colored – Sometimes subtle and sometimes dramatic color variations, like Slate

Directional tiles may be laid end-to-end, in a parquet pattern or random. Figured and multi-colored stones should be arranged like an abstract painting, with the owner, designer and installer rearranging the individual tiles in a sample area until the desired effect is obtained. Doing this dry run will eliminate any room for error.

Installation Method

Consult the TEC or Custom Building Products setting materials guide for appropriate information for your specific stone and job conditions. Always use a premium white thinset for light colored stones, as the mortar may bleed through and stain the surface of the tile. If installing over a wood subfloor, ensure that the area is properly prepared to accept stone. Be sure to use a new glass or porcelain cutting blade to ensure clean, smooth cuts and to avoid potential splintering.

Sealing, Care & Maintenance

All natural stone installations should be sealed both before and after grouting. Be sure that the surface is completely cleaned of any residual mortar prior to sealing. Grout the installation after the penetrating sealer has thoroughly dried. Choose a grout appropriate to your specific installation. Follow the manufacturer’s instructions carefully.

A regular maintenance routine should be established for sealing and cleaning the installation. Neutral pH cleaners can be used for day-to-day maintenance, with more powerful cleaners or poultices for specific stains. The stone should be resealed at 1 to 3 years in commercial applications and after 2 to 6 years for residential.

See the Mosaic Natural Stone Care & Maintenance guide for more details.

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Marble is a metamorphic stone (a rock altered by pressure and heat). MOHS Rating 3 – 5.5
Porosity .4% to 2%
Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.
Install Waterjet Mosaics with a light colored grout to best compliment it.
Very High Shade Variation: Natural stone products have an extreme variation in color, shade and texture. To ensure an even variation of color and surface texture, blend stones from multiple cartons. Review all material prior to installation.

Product notes & availability

(*) Noted items please allow a 1-2 week lead time pending availability
(†) Noted items are discontinued and available only while stock inventory lasts

**Marble**
- **Mini Arabesque**
  - Carrara White Polished
  - Thassos, Carrara White
  - Sheet size: 10.24x10.63
- **Trellis**
  - Thassos, Carrara White
  - Sheet size: 8.7x6.89
- **Marrakech**
  - Thassos, Carrara White
  - Sheet size: 8.74x9.84
- **Ribbon and Dot**
  - Thassos, Calacatta White
  - Sheet size: 12.5x13.15
- **Piazza**
  - Zebra White, Thassos
  - Sheet size: 11.89x11.89
- **Synergy Weave**
  - Arabescato Polished
  - Sheet size: 12x12.75
- **Shell**
  - Arabescato Polished
  - Sheet size: 11x11.5
- **Star White, Shell**
  - Sheet size: 14x14.75
- **Flower**
  - Thassos, Carrara White
  - Sheet size: 14x15
- **Lux Lavish**
  - Thassos, Carrara Polished
  - Sheet size: 12.32x11.1
- **Lux Posh**
  - Calacatta Polished, Gold
  - Sheet size: 11.41x14.37
- **Lux Opulence**
  - Calacatta Polished, Gold
  - Sheet size: 11.02x10.24
- **Thassos, Tunisian Gray**
  - Sheet size: 11.75x12.15
- **Hex**
  - Thassos, Carrara, Black Water
  - Sheet size: 14x16
- **Lux Bliss**
  - Calacatta Polished, Gold
  - Sheet size: 12.2x12

**Mineral**
- **Bellagio**
  - Carrara White, Thassos
  - Sheet size: 10.35x14.25
- **Bellagio**
  - Carrara White, Antique Mirror
  - Sheet size: 10.35x14.25
- **Alhambra**
  - Arabescato, Blue Celeste Polished
  - Sheet size: 7x10
- **Batik**
  - Carrara White, Antique Mirror
  - Sheet size: 8.19x11

**Other**
- **Synergy Weave**
  - Arabescato Polished
  - Sheet size: 12x12.75
- **Shell**
  - Arabescato Polished
  - Sheet size: 11x11.5
- **Star White, Shell**
  - Sheet size: 14x14.75
- **Flower**
  - Thassos, Carrara White
  - Sheet size: 14x15
- **Lux Lavish**
  - Thassos, Carrara Polished
  - Sheet size: 12.32x11.1
- **Lux Posh**
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  - Sheet size: 12.2x12
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating: 3 – 5.5

Porosity: .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

Product is stocked in our Central Service Center

(*) Noted items please allow a 1-2 week lead time pending availability

(†) Noted items are discontinued and available only while stock inventory lasts
Mosaics sold on 12x12 Sheets except where noted

Please Note: It is recommended on Waterjet Mosaics to install with a light colored grout to best compliment the look.
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHs Rating: 3 – 5.5
Porosity: .4% to 2%

We recommend installing Athens Gray Marble with Super Flex™ or epoxy mortar since these are moisture sensitive stones.

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Product notes & availability

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**Porosity** .4% to 2%

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- **MOHS Rating**: 3 – 5.5
- **Porosity**: .4% to 2%

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- Porosity: .4% to 2%

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Marble is a metamorphic stone (a rock altered by pressure and heat).
MOHS Rating 3 – 5.5
Porosity .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics. Mosaics sold on 12x12 Sheets.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

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Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating 3 – 5.5
Porosity .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

Note: All dolomitic stones tend to appear darker in color when the surface is polished whereas honed finishes appear lighter due of the nature of the duller surface. They also appear darker when they are wet. Field tile darkens significantly when installed.

Due to the inherent characteristics of this natural stone, the material will absorb moisture during the installation process and will look darker in appearance. As conditions will vary, it will take time for the product to fully cure and dry out.

Product notes & availability

Marble is available in 3x6, 3x12, and 12x24 sizes in both honed and polished finishes. Mosaics are sold on 12x12 Sheets. Product is stocked in our Central Service Center.

Product is stocked in our
Central Service Center

Field tile available

3x6 Honed or Polished
3x12 Honed or Polished
12x24 Honed or Polished

Mosaics sold on 12x12 Sheets
Marble is a metamorphic stone (a rock altered by pressure and heat).

**MOHS Rating** 3 – 5.5

**Porosity** .4% to 2%

**Mosaics:** Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

**Very High Shade Variation:** Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

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Carrara Marble has been used since the days of Ancient Rome. Known for its timeless beauty, Carrara Marble has been used in some of the world’s most notable structures. The Pantheon and Trajan’s Column are entirely constructed of Carrara Marble. Michelangelo’s David, built in 1504 during the Renaissance, is a true testament to the stone’s inherent beauty. Authentic Carrara Marble can only be quarried from Carrara, Italy. Other white and gray stones may look similar to Carrara, but true Italian Carrara Marble is rare. Within the quarries of Carrara, there can be slabs and tiles that show wide gray veining or narrow veining, and some may show no veining at all. This is the characteristic beauty and uniqueness of natural stone.

It is critical that an experienced installer handles the application of Carrara Marble. The installer must review all the material and blend tiles from multiple boxes within all the different crates on hand so that the veining and coloring are put together to create a harmonious overall effect of the entire color range.

Please Note: It is recommended on Waterjet Mosaics to install with a light colored grout to best compliment the look.
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating: 3 – 5.5
Porosity: .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC's Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

Product is stocked in our Central Service Center

Mosaics sold on 12x12 Sheets
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating 3 – 5.5
Porosity .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

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Mosaics sold on 12x12 Sheets

no field tile available
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating 3 – 5.5
Porosity .4% to 2%

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation of all mosaics.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

Note: All dolomitic stones tend to appear darker in color when the surface is polished whereas honed finishes appear lighter due of the nature of the duller surface. They also appear darker when they are wet.
Marble is a metamorphic stone (a rock altered by pressure and heat).

MOHS Rating  3 – 5.5
Porosity  .4% to 2%

We recommend installing Wooden White Marble with Super Flex™ or epoxy mortar since these are moisture sensitive stones.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade, veining and texture. To ensure an even variation, blend stones from multiple cartons prior to installation.

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Mosaics sold on 12x12 Sheets except where noted
Onyx is a metamorphic stone (a rock altered by pressure and heat). MOHS Rating 3
Porosity .5% to 2%

Due to the natural characteristics of Honey Onyx, it is imperative that a porcelain or glass cutting blade is used to minimize splintering on edges while cutting. This onyx can range in color from the lightest alabaster white to the deepest gold. We guarantee material ordered will vary from samples used during the selection process. All material must be inspected prior to installation as no concessions will be made once the stone is installed.

Mosaics: Due to the addition of a resin mesh for added stability, TEC’s Super Flex™ or 100% Solids Epoxy Mortar is required for proper installation. Mosaics sold on 12x12 Sheets.

5/8" Polished
3x12 Border Persian Green with Wooden Yellow and Crema Marfil
3x3 Corner

Product is stocked in our Central Service Center
field tile available

River Rock is stone harvested from actual river beds. It will vary tremendously from piece to piece.

- MOHS Rating: 3 – 5.5
- Porosity: .4% to 2%

Mosaics sold on 12x12 Sheets.

Very High Shade Variation: Natural stone products have an extreme variation in color, shade and texture. To ensure an even variation of color and surface texture, blend stones from multiple cartons prior to installation.

Product is stocked in our Central Service Center.

12x12 Sheets

- Shadow Sliced
- Shadow Blend Sliced
- Cream Sliced
- Olive Sliced
- Khaki Sliced
- Blend Sliced
Quartzite is a metamorphic stone (a rock altered by pressure and heat).

- **MOHS Rating**: 4 – 7
- **Porosity**: .4% to 3.9%

Slates are Gauged – the backs of the stones have been machined while the surface will maintain its natural clefting and thickness variation.

- **Very High Shade Variation**: Natural stone products have an extreme variation in color, shade and texture. To ensure an even variation of color and surface texture, blend stones from multiple cartons. Review all material prior to installation.

**Product Notes & Availability**

- 6x24 Chinese Multicolor Slate Ledger Panel
- 6x24 Corner available

- Close-up views of Corner Trim

- Camel Stix Linear † (Glass and Chinese Multicolor Slate)
- Mineral Stix Linear (Glass and Golden Harvest Quartzite)
- Waterrock Green Linear Quartzite *
- Silver Lagoon Linear * (Glass and Quartzite)
- 2x4 Brick Golden Harvest Quartzite *

Mosaics sold on 12x12 Sheets

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No field tile available
Travertine is a sedimentary stone (a rock formed from consolidated clay sediments).

MOHs Rating 3
Porosity 5% to 12%

Special Order cut-to-size tiles are available for patterned installations if required, as all straight cut tiles are exact dimensions.

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For samples, fax request to 866-480-TILE (8453) or email samples@mosaictileco.com