



floridatile

Studio Essentials



WHO WE ARE

Since 1954, Florida Tile has been dedicated to delivering the most innovative and beautiful tiles in the industry.

With a mission to develop the finest products while protecting environmental resources, Florida Tile consistently leads the industry in innovation and sustainability. Our Advanced Manufacturing Facility and National Distribution Center are strategically located in Lawrenceburg, Kentucky, enabling us to fulfill orders quickly and efficiently.

We are proud to be a Green Squared Certified Manufacturing Facility certified by UL Environment and the first tile manufacturer to have all products GREENGUARD® certified for low VOC emissions. **Producing aesthetically elevated and sustainable products is a cornerstone of our corporate strategy.**



One Group. One Vision.

Panariagroup USA, is the American business unit of Panariagroup Industrie Ceramiche S.p.A., a world leader in producing and distributing high-quality and prestigious ceramic surfaces.

At the forefront of design, production, and distribution of beautiful porcelain and ceramic products, Panariagroup USA features a broad array of unique and highly regarded brands: Florida Tile, Panaria Ceramica, Cotto d'Este, Lea, Love Tiles, Margres, Gresart, Maxa, and Bellissimo.

Panariagroup has always adhered to the highest standards of excellence, combining its history of skillful artisan craftsmanship with cutting edge technology. These brands fulfill the needs of diverse customers who share the same passion for the aesthetic and technical quality of products.

PANARIAgroup®
U.S.A. Inc.

floridatile

Panaria
ceramica

COTTOD'ESTE
EXCLUSIVE SURFACES

LEA
CERAMICHE

LOVE
CERAMIC TILES

MARGRES
CERAMIC TILES

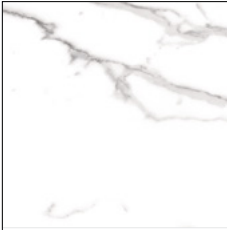
GRESART.
CERAMIC TILES

MAXA
CERAMIC SLABS

Bellissimo
STILE ITALIANO

Look Index

Concrete Look			Chromatic	
				
Cement Taupe	Cement White	Concrete Light Grey	Black	White

Marble Look					
					
Brilliance White	Calacatta Marble	Carrara Matte	Invisible Beige	Michelangelo Calacatta	Michelangelo Light Grey
					
Picasso White					

Look Index

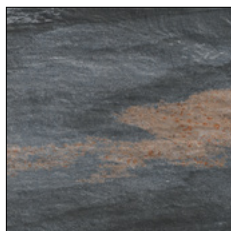
Stone Look



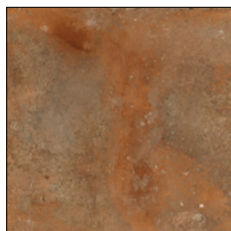
Cotto Taupe



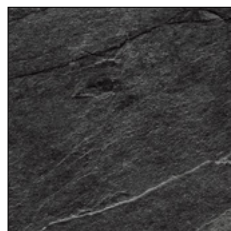
Flat Black



Longitude Slate Grey



Mesa Sand



Sediment Slate



Sea Salt



Seville Beige

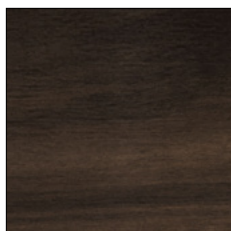


Silver Sands



Spanish Clay

Wood Look



Badlands



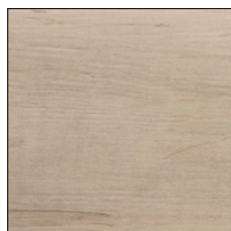
Breckenridge Beige



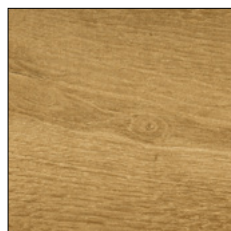
Breckenridge Bleach



Ember Ebony



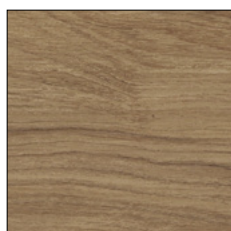
Hickory Beige



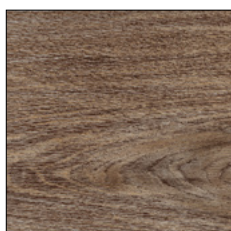
Honey



Outer Banks Blue



Rainier



Tahoe Brown



Zion

3.75x12



Brilliance White



Michelangelo
Light Grey



Silver Sands

8in Hexagon



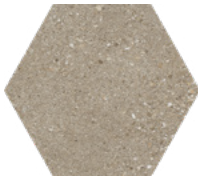
Black



Calacatta
Marble



Honey



Spanish Clay



White

12x24



Brilliance White



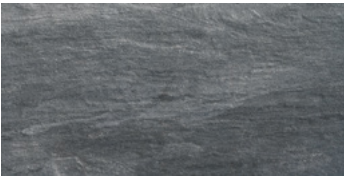
Calacatta Marble



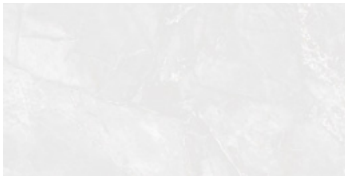
Cement White



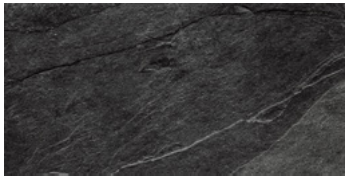
Concrete Light Grey



Longitude Slate Grey



Michelangelo Light Grey



Sediment Slate Black



Seville Beige



Silver Sands

15x30



Cement Taupe



Cotto Taupe



Flat Black



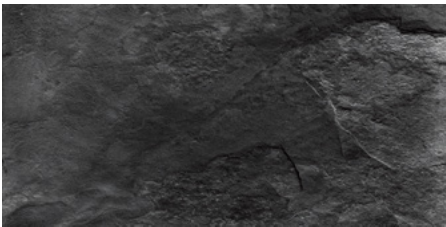
Invisible Beige



Mesa Sand



Picasso Marble



Sediment Slate

6x24



Breckenridge Beige

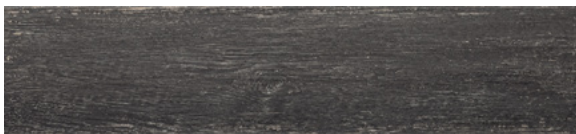


Breckenridge Bleach



Tahoe Brown

8x36



Ember Ebony



Hickory Beige



Outer Banks Blue

THE SUSTAINABLE CERAMIC REVOLUTION

Tangible actions must start from the basics, from the spaces in which we live, from the decisions we make. That's why a focus on improving the well-being of people and the environment begins with choosing sustainable construction materials.



think zero®





Formats





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet (IW)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet (IW)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Textured
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

12x24



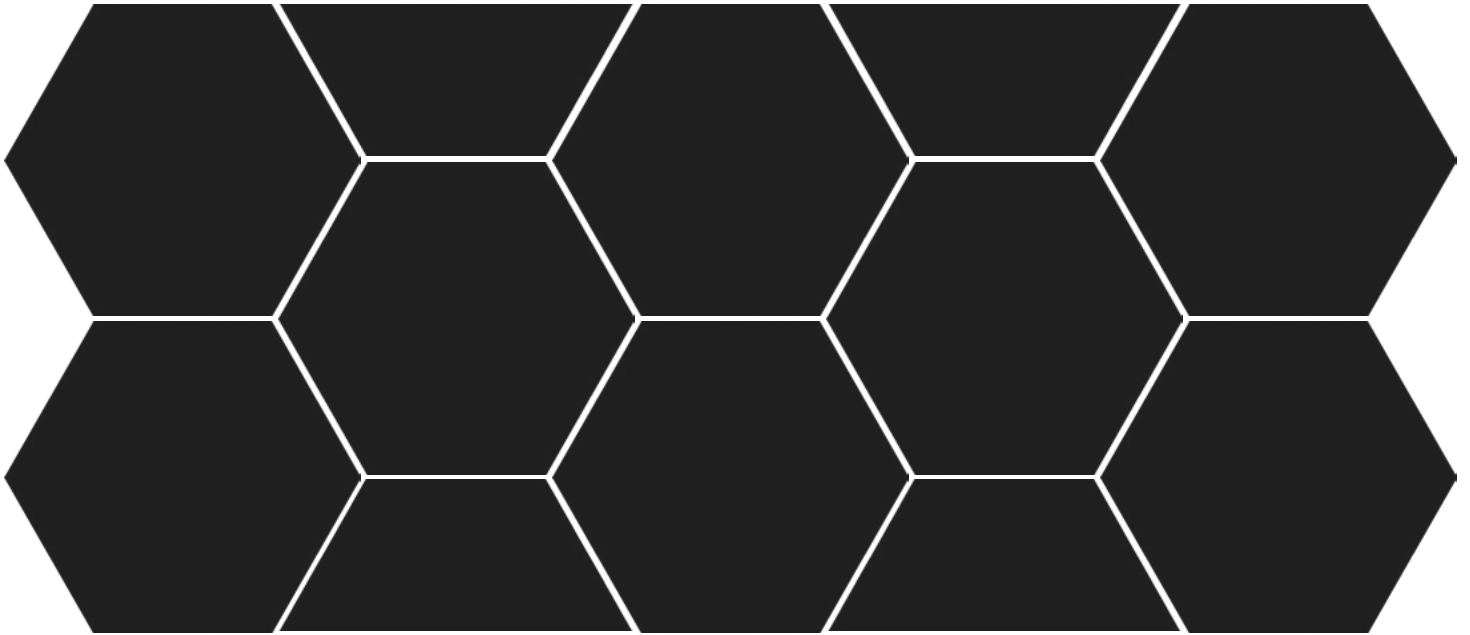


Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet (IW)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

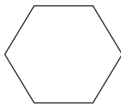
Black

Chromatic



Formats

8in Hexagon



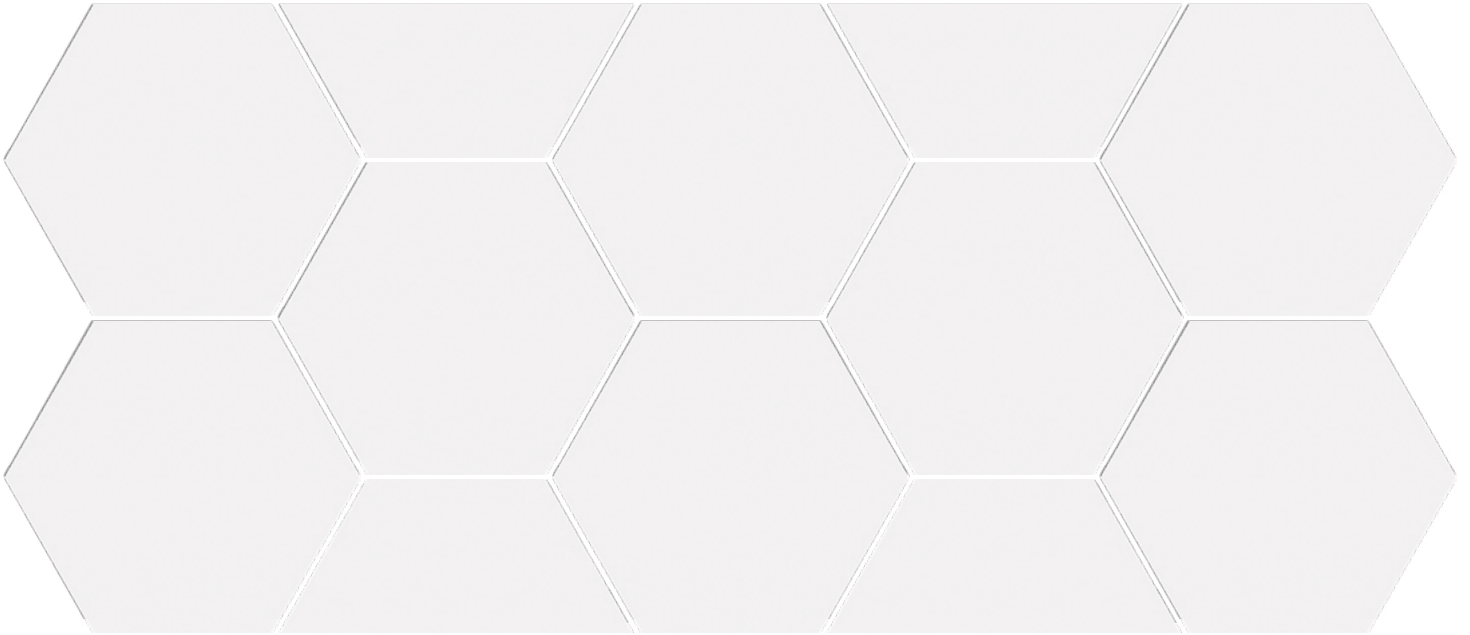


Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 250 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

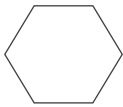
White

Chromatic



Formats

8in Hexagon



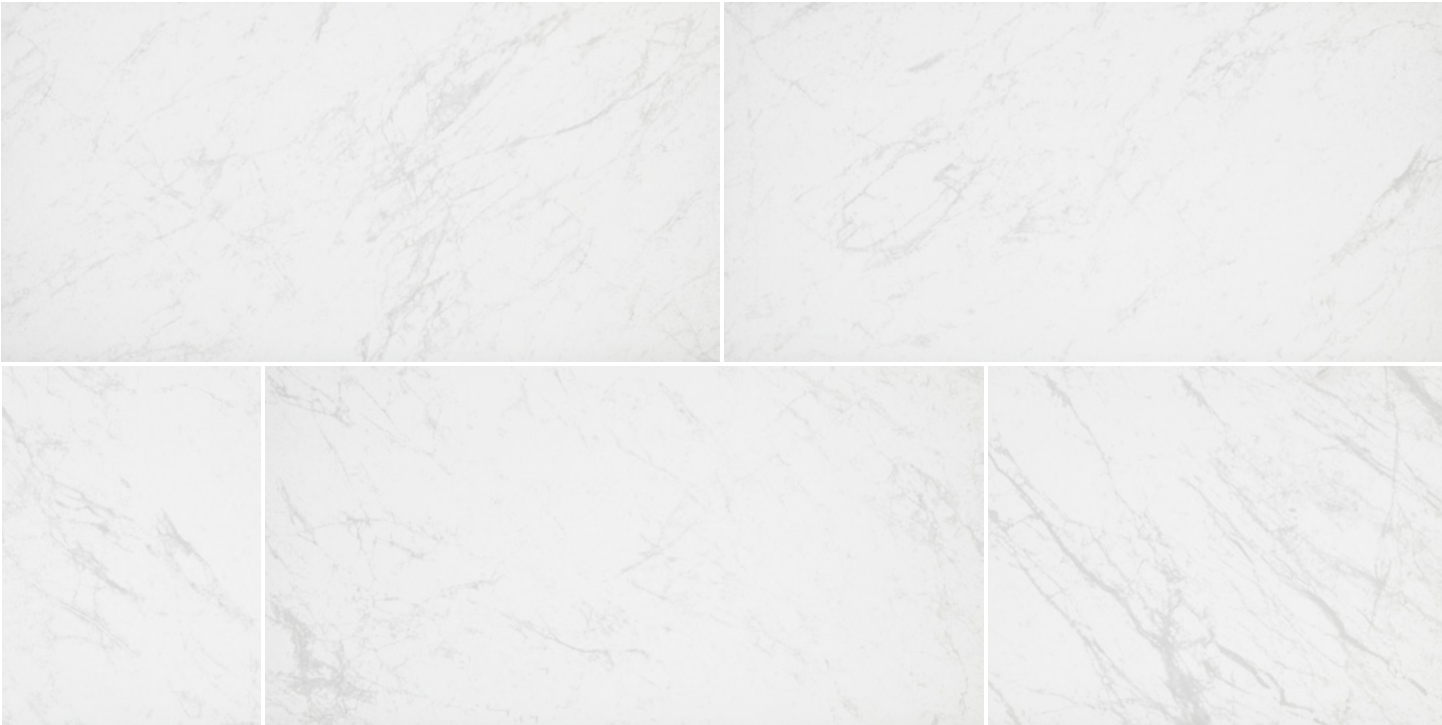


Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 250 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

Brilliance White

Marble Look



Formats



Mosaics



M12 - 25 Piece
(12x12 Sheet)

Trims

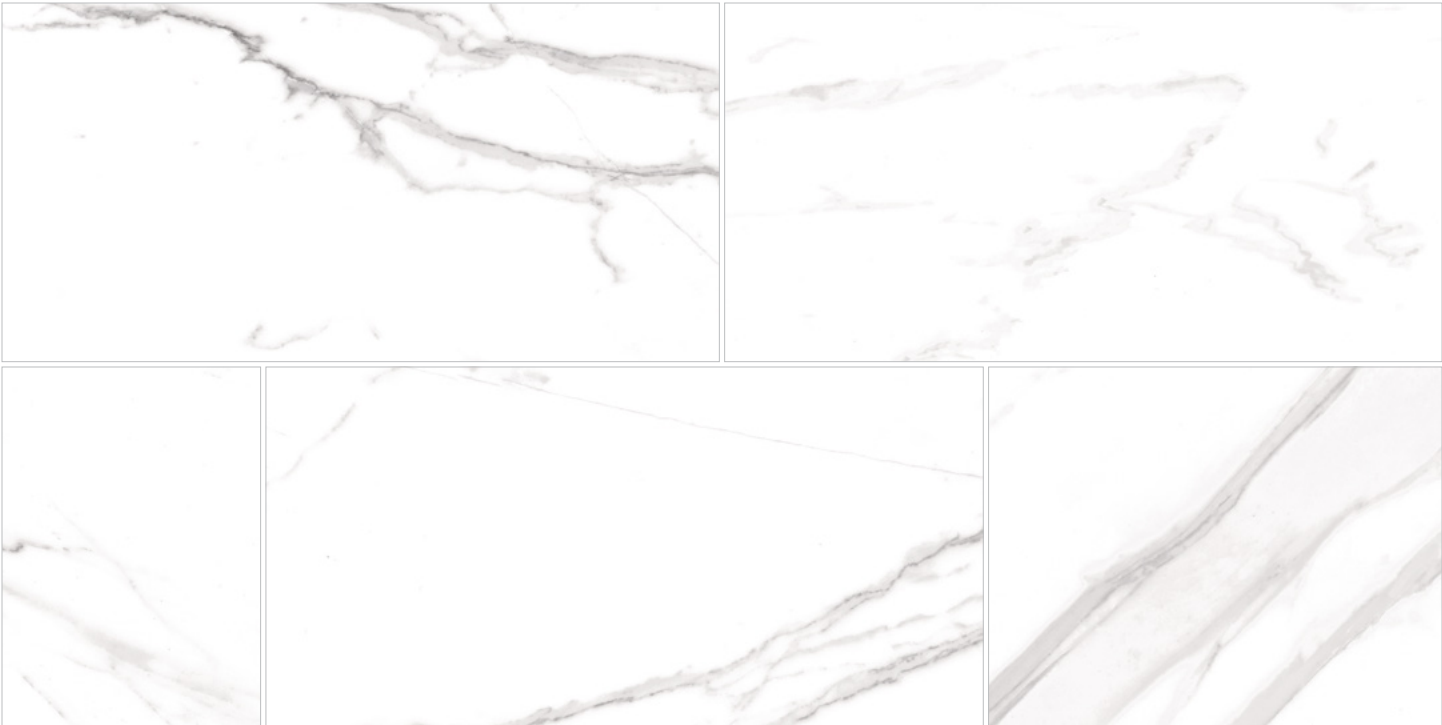
3x12 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Rectified
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8in Hexagon



12x24



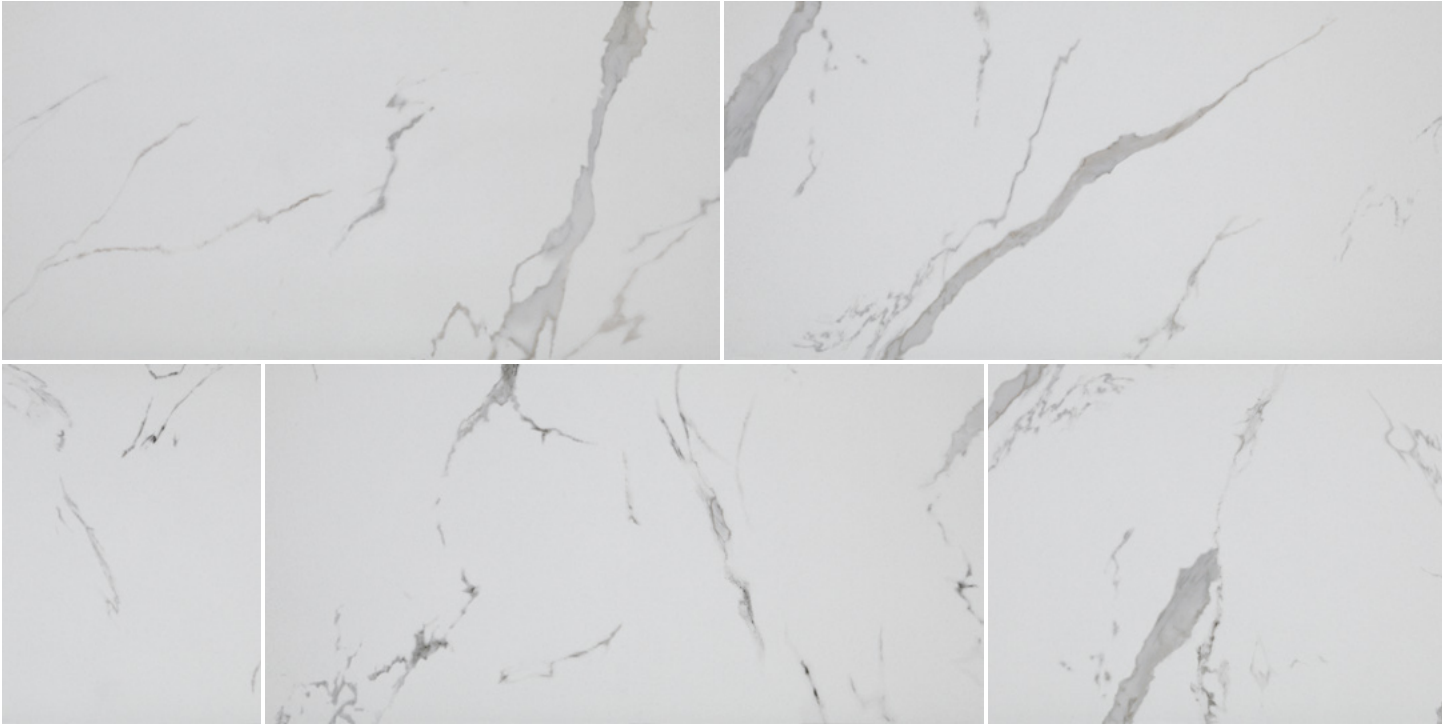


Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

Carrara Matte

Marble Look



Formats

12x24





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 453 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Rectified
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

15x30





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats



Mosaics



M12 - 25 Piece
(12x12 Sheet)

1.5x4HER - Herringbone
(12x14 Sheet)

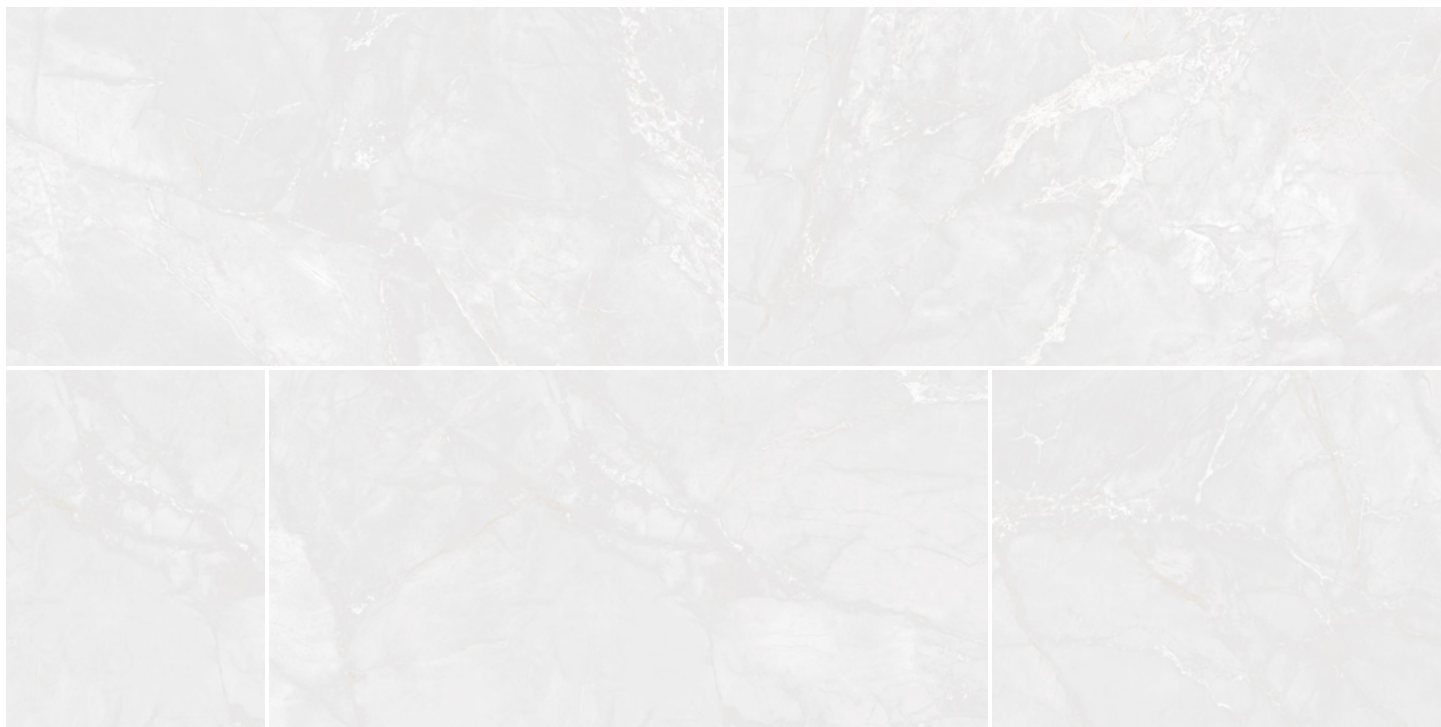
Trims

3x12 Bullnose



Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 375 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Rectified
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

3.75x12



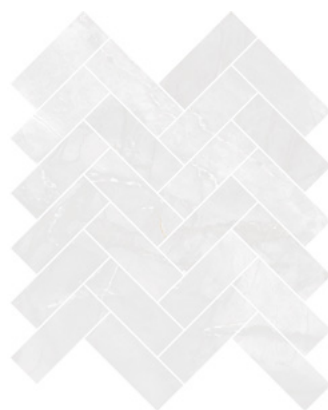
12x24



Mosaics



M12 - 25 Piece
(12x12 Sheet)



1.5x4HER - Herringbone
(12x14 Sheet)

Trims

3x12 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed (8mm) Rectified (9mm)
Thickness	8mm (12x24) 9mm (3.75x12 & 12x24)	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

15x30





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed (15x30) Rectified (24x48)
Thickness	8mm (15x30) 9mm (24x48)	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

15x30





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



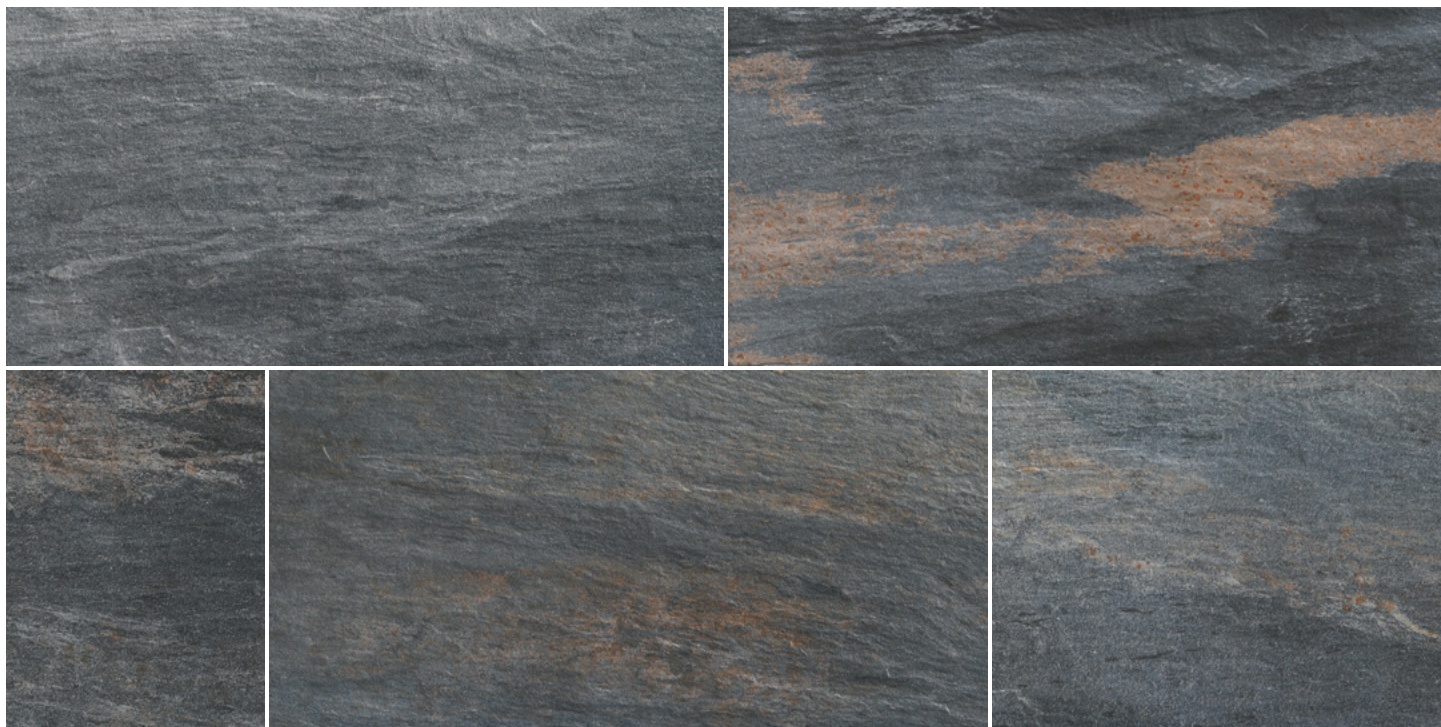
Formats





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

12x24



Mosaics



M12 - 25 Piece
(12x12 Sheet)



MOSRB - Brick
(12x14 Sheet)

Trims

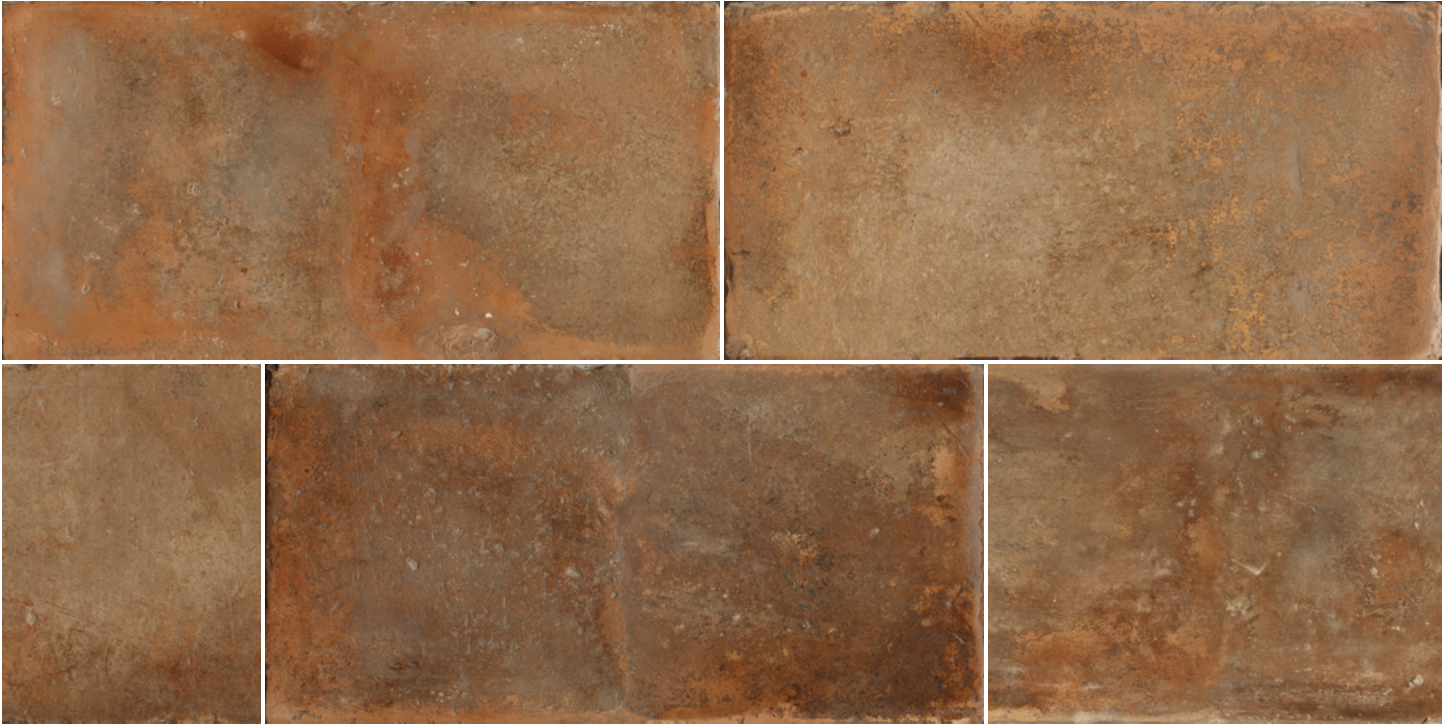
3x12 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

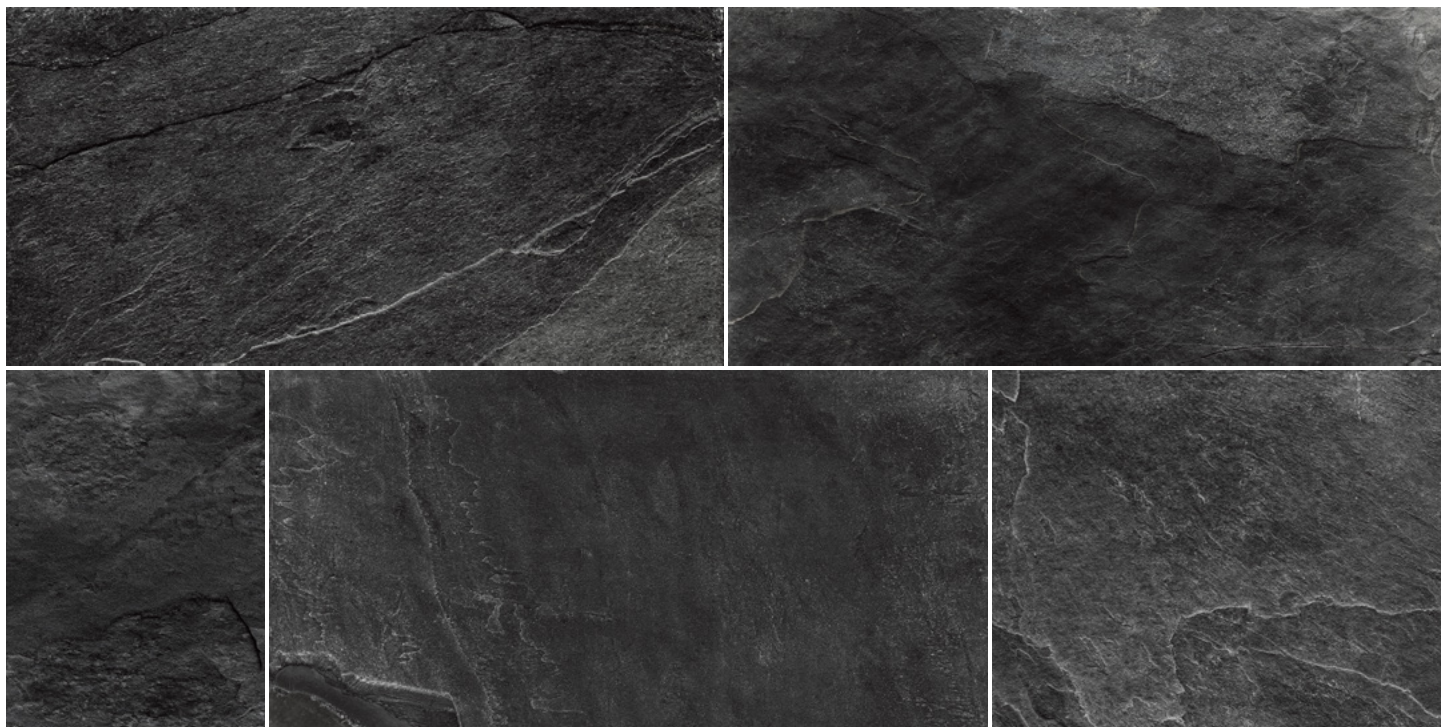
15x30





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats



Mosaics



M12 - 25 Piece
(12x12 Sheet)



MOSRB - Brick
(12x14 Sheet)

Trims

3x12 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm (15x30) 9mm (3.75x12 & 12x24)	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

12x24



Mosaics



M12 - 25 Piece
(12x12 Sheet)

Trims

3x24 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet (IW)	Break Strength	≥ 510 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

12x24



Mosaics



M12 - 25 Piece
(12x12 Sheet)



1.5x4HER - Herringbone
(12x14 Sheet)

Trims

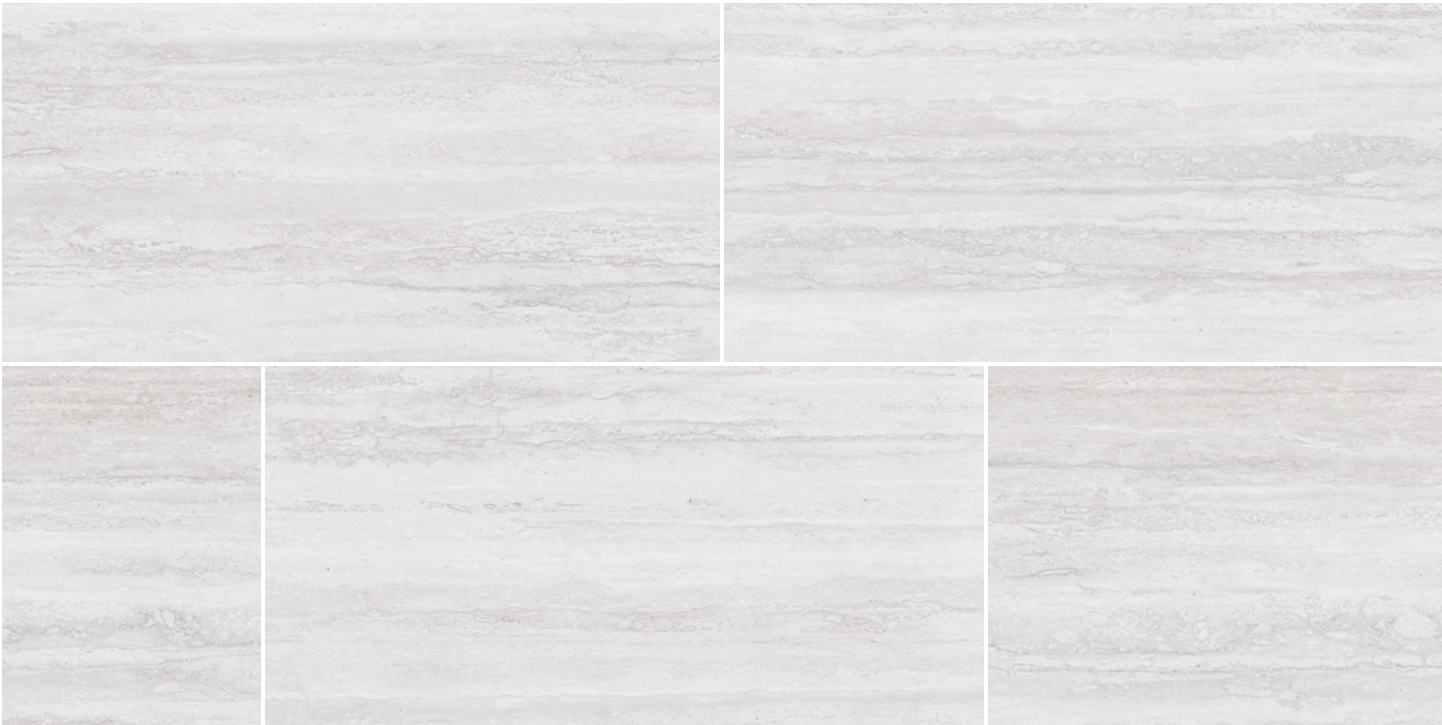
3x12 Bullnose





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7.5 Mohs	Edge	Rectified
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

3.75x12

12x24



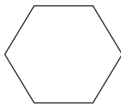
Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Rectified
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8in Hexagon





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 250 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 450 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

6x24



Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

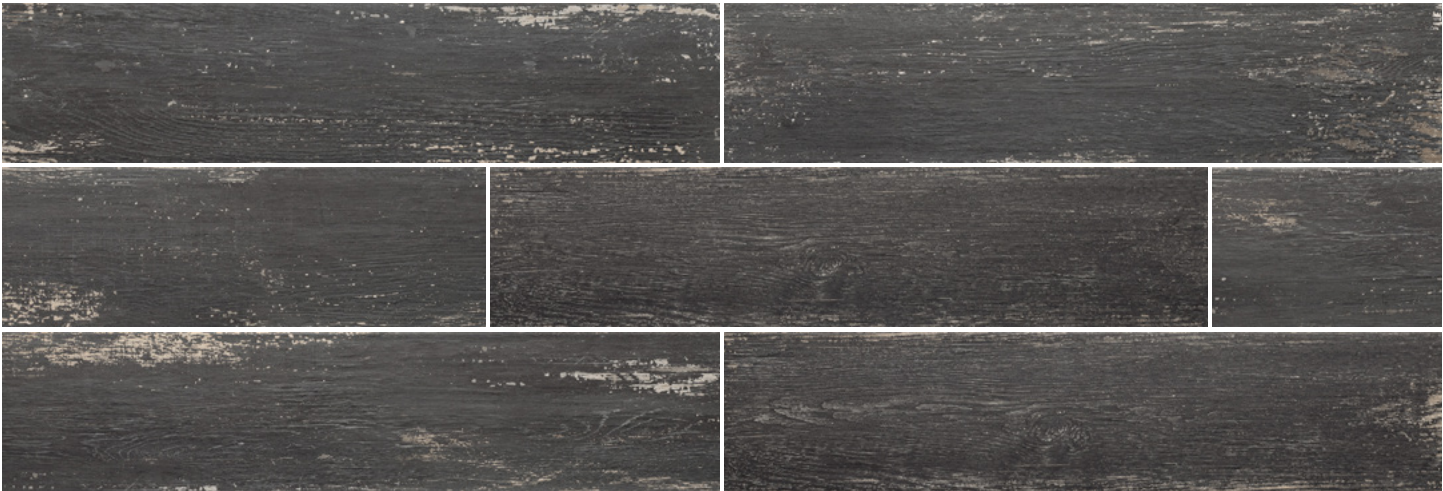
6x24





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8x36



Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 400 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8x36



Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 441 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

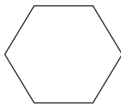
Honey

Wood Look



Formats

8in Hexagon





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 250 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8x36





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	10mm	Finish	Matte
Shade Variation	V3 Moderate Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8x36 



Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 450 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

Tahoe Brown

Wood Look



Formats

6x24





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 350 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	8mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.



Formats

8x36





Technical Data	Results	Technical Data	Results
ANSI® A326.3	Interior, Wet Plus (IW+)	Break Strength	≥ 450 lbf. avg.
Recycled Content	40%	Water Absorption	≤ 0.5%
Surface Hardness	7 Mohs	Edge	Pressed
Thickness	9mm	Finish	Matte
Shade Variation	V2 Slight Variation	Intended Use	Residential, Light Commercial

note: Product specifications are subject to change. See Technical Data section for details.

Technical Data

ACID RESISTANCE

ASTM® C-650 is the standard test method for determining resistance of ceramic tile to chemical substances. The glazed surface of Florida Tile products is resistant to virtually all caustic and corrosive liquids. Typical exceptions are fluorides and concentrated hydrochloric acid.

BREAK STRENGTH

ASTM® C-648 describes the standard test method for determining structural strength of ceramic tile. This test provides a means for establishing whether or not ceramic tile meets the strength requirements which may be required for a specific installation procedure, and its ability to withstand load and impact. The ANSI® standard requires an average breaking strength of 125 lbf. for wall tiles and 250 lbf. for floor tiles. Tiles installed on floors with adhesives may require higher breaking strengths.

CALIBERS

Tiles shrink during firing. To accommodate this shrinkage, we measure each tile as it comes down the line and assign it a caliber based on ANSI® requirements for size variation. Tiles with different calibers should be compared prior to installation to make sure they will work well together. A wider grout joint will help accommodate the size difference within and between calibers.

DYNAMIC COEFFICIENT OF FRICTION

Sometimes called kinetic coefficient of friction. This is the ratio of the force necessary to keep a surface already in motion sliding over another surface divided by the weight (or normal force) of the sliding object. *Different contaminants such as dirt, water, soap, oil, or grease can change this value.

FROST RESISTANCE

ASTM® C-1026 describes the standard test method for determining ceramic tile's ability to withstand repeated cycles of freezing and thawing. It determines the ability of tile to resist damage or deterioration when tested in freezing and thawing situations such as those found in central and northern sections of the United States.

INSTALLATION

Florida Tile recommends that all installations of its product comply with applicable parts of ANSI® A-108 series for ceramic tile installation. For any information, including technical questions related to the underlayment, use of setting materials, or other installation related questions, contact the Tile Council of North America. You can reach them at techinfo@tile-usa.com or you can view the TCNA Installation Handbook at <https://www.tcnatile.com/products-and-services/publications.html>

- Use a grout joint that is at minimum 3 times the variation of the tile as per ANSI® A108.02 Section 4.3.8 Grout Joint Size: In the case of Florida Tile, all rectified product shall have, on average, no less than a 1/8 in. grout joint.
- Minimize the variation in the substrate in order to accommodate the above minimal grout joint as per ANSI® A108/A118/A136.1 - American National Specifications for the Installation of Ceramic Tile, specifically A108.01 Section 2.6.2.2 and similarly in A108.02 Section 4.1.4.3.1.

GAUGED PORCELAIN TILE PANELS (GPTP)

Also known as large panel porcelain slabs, thin porcelain tile, or large format porcelain slabs, gauged porcelain is known for its beauty, durability, ease of maintenance, and its lack of grout joints. GPT has been defined as tiles that measure 1 x 1 meter (~36 x 36 inches) or smaller, while GTPP are equal to or larger than 1 x 1 meter. Tile Council North America (TCNA) recognizes two classes of gauged tile products are defined — those for wall applications, from 3.5 to 4.9 mm in thickness, and those for floor applications, from 5 to 6.5 mm in thickness.

MOH'S HARDNESS

Scratch resistance of glazes is measured by scratching the glaze with a mineral of known hardness. Hardness of minerals is classified by Moh's Scale, which lists 10 minerals according to their hardness. Each mineral in this scale will scratch those with lower numbers in the scale, but will not scratch minerals with higher numbers. Talc is classified as number one on the Moh's Scales and diamond ten. Resilient flooring materials, such as vinyl and asphalt tile, are relatively soft and can be scratched by talc, number one on the scale. White polished marble can be scratched by calcite, which is number three. Black marble rates a four and can be scratched by fluorite. Most glazes used on ceramic tile fall in the five to six range, which is also slightly harder than most steels. Case-hardened steel, such as what is used in drill bits used for drilling holes in steel, is approximately six and will scratch most glazes. Some glazes used on ceramic tiles designed for floor use cannot be scratched by a case-hardened drill bit. Quartz, number 7 on Moh's Scale, will scratch most glazes and all but the hardest unglazed ceramic tiles. Sand is a common example of natural quartz.

OUTDOOR INSTALLATIONS

Porcelain tile is appropriate for exterior wall (vertical) installations. Horizontal applications require additional considerations such as if the area will be covered or exposed to the elements. Only tile with a Product Use Classification of "Exterior, Wet" should be used in outdoor installations. Any hard surface flooring will be slippery when covered in standing water, ice, grease, or leaves. Regular cleaning, maintenance, and inspection of the surface is critical to a successful outdoor tile installation.

RECTIFIED TILE

Rectification is a process of ceramic tile manufacturing in which all sides of a tile are cut with specialized machines. This creates a ceramic tile with perfectly square edges and reduces size variation between tiles, essentially creating a mono-caliber product. This has a practical application in uniformity and ease of installation, but it also has an aesthetic benefit. By allowing a reduced grout joint (within ANSI® requirements) the installation is better suited to more contemporary tastes, and stays cleaner with less grout.

RUNNING BOND/BRICK JOINT PATTERNS

Grout Joints- For running bond/brick joint patterns utilizing tiles (square or rectangle) with any size greater than 15 in. the grout shall be, on average, a minimum of 1/8 in. wide for rectified tile and, on average, a minimum of 3/16 in. wide for calibrated (non-rectified) tiles.

Offset- For running bond/brick joint patterns utilizing tiles (square or rectangular) where the side being offset is greater than 15 in. (nominal dimension), the running bond offset will be a maximum of 33% unless otherwise specified by the tile manufacturer. If an offset greater than 33% is specified, specifier and owner must approve mock-up and lippage.

SHADES

Florida Tile assigns all of our tiles a shade based on comparison to a target piece. We also add a 'lot letter' (commonly referred to as the 'dye lot') that differentiates tiles from different runs. Tiles with different shades should be compared prior to installation to make sure they are a good match and should be well mixed during installation.

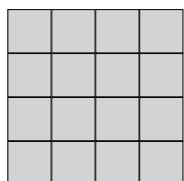
SHADE BLENDING

Designed to simulate a natural surface by using a combination of ceramic/porcelain processes, shade and texture variations are inherent in these nature-inspired products. These types of tiles are packed by shade blends and not specific shades. Products of a common shade blend type may be used together. Specific product lots are identified by the last letter of the shade code.

TECHNICAL SPECIFICATION

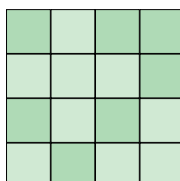
Tiles manufactured by Florida Tile, Inc. and marked standard grade meet or exceed the recommended standard specification for ceramic tile, ANSI® A137.1. All products are formulated using high-quality clays specifically designed for density and strength, then pressed, glazed and fired. Note that the data represented in this literature represents typical test results of randomly selected "standard" products.

SHADE VARIATION



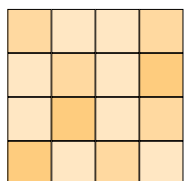
V1 Uniform Appearance

Differences among pieces from the same production run are minimal.



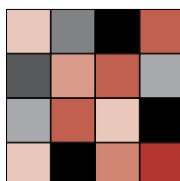
V2 Slight Variation

Clearly distinguishable differences in texture and/or pattern with similar colors.



V3 Moderate Variation

While the colors present on a single piece of tile will be indicative of the colors to be expected on the other tiles, the amount of colors on each piece may vary significantly. For example "that little bit of color" on one piece of tile may be the primary color on the next piece.



V4 Random Variation

Random color differences from tile to tile, so that one tile may have totally different colors from that on other tiles. Thus, the final installation will be unique.

PLEASE NOTE:

- Not all flooring products are suitable for wet areas, specialized applications or commercial use. Please refer to the American National Standard Specifications for Ceramic Tile (ANSI® A137.1) for ceramic, stone, and glass installation for specific usage and installation information.
- In order to provide as many size formats as possible, some sizes may be originally pressed as larger formats and then professionally cut to size.
- Country of origin and other product features and characteristics are subject to change due to manufacturing efficiencies and other factors. See retailer or product packaging to verify country of origin and other product characteristics.

Intended Use

GENERAL USAGE GUIDELINES

The following General Usage Guidelines highlight those floor application types that we generally consider to be appropriate for designated product lines. However, every installation is unique and requires careful consideration of the specific requirements for that particular project. For specific determinations as to the suitability of specific products for your application, please consult an experienced tile installer, design professional, or the TCNA handbook. Ultimately it is the responsibility of the project manager to choose the most appropriate product for each project based on need and traffic. Not all projects are the same.

RESIDENTIAL

Products designated as “Residential” are generally considered appropriate for use in residential (non-commercial) floor areas that are subject to normal foot traffic, including kitchens, bathrooms, living areas, and other residential environments. In heavy-traffic areas, products with GLOSSY/POLISHED/TOUCH finishes are not recommended.

LIGHT COMMERCIAL

Products designated as “Light Commercial” are generally considered appropriate for use in commercial floor areas that are subject to considerable foot traffic greater than residential applications, including offices, waiting rooms, retail shops, public bathrooms, apartment building common areas, restaurant dining rooms, car showrooms, bars, cinemas, medical clinics, hotel guest rooms and bathrooms. In heavy-traffic areas, products with GLOSSY/POLISHED/TOUCH finishes are not recommended.

HEAVY COMMERCIAL

Products designated as “Heavy Commercial” are generally considered appropriate for use in commercial floor areas that are subject to extensive foot traffic, including shopping center common areas, hotel lobbies, fast food restaurants, dance clubs, hospitals, schools, museums, houses of worship, airports, train and bus stations, and other interior applications where heavy traffic is anticipated.

NOTES

- These are general use guidelines only and are no substitute for competent, professional architectural and design input specific to each project. For example, a product classified as Light Commercial might be suitable for use in some areas of a regional airport with moderate foot traffic, while even a Heavy Commercial product may be subject to premature wear and tear if used in a heavy-traffic industrial area where regular cleaning and maintenance are not performed.
- The occasional presence of minor color variation, spots, or other small imperfections is considered a characteristic of the material and of its unique manufacturing process.
- If product is installed in direct contact with external environments, use of protective solutions, a protective mat, or other anti-scratch alternatives may be necessary to reduce the formation of scratches.
- Use of low thickness products is not recommended in areas subject to heavy loads.
- GLOSSY/POLISHED/TOUCH finishes are recommended for wall cladding, as well as for flooring in Residential or Light Commercial areas that are not subject to heavy traffic, and where an anti-slip performance (DCOF) is not required.

Product Use Classifications

ANSI A326.3

ANSI A326.3 (American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials) features a five-category product use classification system that allows manufacturers to communicate areas for possible use based on the slip resistance characteristics of their products.

The five product use categories are as follows:

Classification	Reference Category	Criteria
Interior, Dry	ID	≥ 0.42 dry DCOF (Per Section 10.1)
Interior, Wet	IW	≥ 0.42 wet DCOF (Per Section 9.1) or Manufacturer-Declared
Interior, Wet Plus	IW+	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions
Exterior, Wet	EW	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions
Oils/Greases	O/G	Manufacturer-Declared Standards > ANSI A326.3 generally accepted minimum conditions

According to the standard, hard surface flooring products shall be classified into one or more of the categories. Additionally, the standard provides informative notes for each category that state generally accepted minimum conditions.

To review the complete ANSI A326.3 standards and FAQs please visit <https://www.floridatile.com/productuseclassifications>.

Florida Tile's declared use classifications can be found on the bottom of each collection page in the Technical Specifications section as well as on each collection's Technical Sheet, downloadable from <https://www.floridatile.com/downloads/>.

Sustainability

PANARIAgroup®

PANARIAgroup's mission statement is about growing and creating well-being in harmony with the people and the environment, with openness, passion, and love for our work. In order to achieve such targets, the Group aims to generate sustainable value for its employees and business partners while respecting society and the environment. The Group has a strong focus on research and innovation, and is resolute to satisfy the highest expectations in the fields of general well-being and of aesthetics, both for professional and private customers, in architecture and the construction industry



Green Squared Certified®

Florida Tile was among the first to earn TCNA - Green Squared® certification. This multi-attribute sustainability standard is for tiles and tile installation materials. It uses the transparency and consensus of the ANSI® process combined with third party certification to evaluate, validate, and communicate products that have a positive impact on the environment and society.

Covered by the standard are environmental product characteristics, environmental product manufacturing, raw material extraction, end of product life management, progressive corporate governance, and innovation. All Florida Tile products manufactured in our Lawrenceburg, KY facility are Green Squared Certified®.



BUREAU VERITAS

Since its foundation in 1828, the Bureau Veritas Group has consistently built recognized expertise, helping clients comply with standards and regulations relating to quality, health & safety, the environment and social responsibility.

The group's network of regional and local offices manages client relationships and delivers a comprehensive range of services including inspection, testing, auditing, certification, ship classification and related technical assistance, training, and outsourcing. When appropriate, Bureau Veritas also provides advisory services.

Large and small organizations, whether private or public, can rely on Bureau Veritas to support them in protecting their respective brands, assets, and business. They play a key role in both risk management and performance improvement.

Bureau Veritas deploys multidisciplinary skills from over 61,000 employees in over 1,300 offices and laboratories worldwide.



mindful MATERIALS (mM)

Reinforcing our commitment to transparency and sustainability, Florida Tile, Inc. is a proud participant in the mindful MATERIALS Library.

mindful MATERIALS (mM) is a powerful building product database incorporating information on the human health and environmental impacts of products from leading manufacturers. It is vetted by experts and trusted industry-wide as a source for product transparency.

Today's market requires owners, developers, and designers to carefully consider the impacts that product content has on people and the planet throughout the product's life cycle.

For products to be incorporated in this program, manufacturers must provide individual product details as well as certifications and/or attributions. This allows building industry professionals to easily locate relevant transparency and sustainability attributes in categories such as: material ingredients, environmental profile, VOCs, material sourcing, social responsibility, etc.

Sustainability



EPD

This declaration is an environmental product declaration (EPD) in accordance with ISO 14025. The Tile Council of North America (TCNA) has produced an environmental product declaration (EPD) to identify the various environmental impacts of ceramic tile over its life cycle. In addition to providing basic product definition and information about the basic material, the EPD identifies the origin of ceramic tile and lists building physics. The declaration also includes a description of the tile manufacturing process, indicates the steps of processing the material, explains in-use conditions, and offers life cycle assessment results and results from testing and verifications with respect to tile.



Declare

Declare is an ingredients label for building products paired with an online database of healthy materials for building project specifications. It allows manufacturers of ecologically sound products to demonstrate market leadership in the growing movement toward product transparency and health in the built environment and provides them an expanded point of entry into the world's most groundbreaking sustainable building projects.



HPD

A summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the Green Screen for Safer Chemicals®.

Care & Maintenance

ROUTINE CARE FOR YOUR TILE

Ceramic tile is one of the most durable and maintenance friendly surfaces you can choose for your walls, floors, countertops, etc. With proper care and minimum maintenance, tile will retain its original beauty and luster for many years. Generally, all that is necessary to keep your tile looking as good as new is a quick wipe with a clean damp cloth or mop. Prompt cleanup of spills and regular cleaning will keep your ceramic tile surfaces looking their best.

If a cleaner is necessary, Florida Tile recommends the use of low VOC (volatile organic compound), neutral pH, non-hazardous, and non-polluting products.

Glazed tile walls in your home will easily keep their lovely look with simple routine care—just wipe regularly with a clean damp cloth or sponge. A non-abrasive, neutral cleaner can be used (abrasive cleansers will cause scratching to shiny tile and polished marble surfaces). Highly polished tile and stone surfaces should be polished dry with a soft absorbent cloth after cleaning to eliminate the buildup of hard water residue and to maintain the high-polished finish.

For glazed tile floors, sweep or vacuum regularly to remove dirt and gritty particles. Follow with a mop or sponge dampened with a neutral pH cleaner. If a cleaner is used, be sure the surface is rinsed thoroughly with clean water and dried. For textured or uneven tile or stone surfaces, substituting a soft scrub brush or white nylon scrub pad for the mop or sponge will quicken the cleaning process. Unglazed tile floors and porcelain tile floors can also be maintained in this same manner.

Tiled surfaces in your bathroom may require a more thorough routine cleaning because of a buildup of soap scum, body oils, or hard-water stains. Use a clean, damp cloth, or sponge with a neutral pH cleaner, allowing it to stand about five minutes before rinsing and drying. Specialty bathroom cleaners may also be used (always test first). Clean shower regularly with the appropriate tile and stone cleaner. Dry with a towel after each use and leave curtain or door open between showers to allow for maximum ventilation and moisture escape.

List of Neutral Cleaners

Manufacturer	Product
OMNI®	Concentrated Cleaner, Deep Cleaner
STONETECH®	Stone & Tile Cleaner Revitalizer

HEAVY DUTY CLEANING

For high-traffic areas or when tile has been neglected for a long time, heavy-duty cleaning may be required.

Glazed walls and countertops should be cleaned with an alkaline-based cleaner (high pH, non-acidic). Use a white nylon scrub pad, followed by a clean water rinse. Poultice may be used in combination with any appropriate cleaner, if needed, to restore seriously soiled areas. Poultice is a very fine powder that serves as a mild abrasive, yet cannot cause scratching to even the most delicate glazed tile and polished marble surfaces. Unglazed tile and natural stone can be treated in the same manner as glazed when heavy-duty cleaning is required. Once the tile or stone has been effectively restored and is dry, it is recommended that the appropriate sealer be applied to protect from staining and ease ongoing maintenance.

To clean badly soiled countertops, an appropriate alkaline cleaner is recommended. Poultice can be lightly sprinkled onto the wet cleaner solution and scrubbed with a white nylon scrub pad or medium nylon scrub brush to facilitate cleaning. Rinse thoroughly. For glazed tile floors, the same products and procedures are recommended.

For showers, tub surrounds, or other wet areas, light acidic cleaners are recommended to remove hard water mineral deposits. These acidic cleaners are not recommended on acid-sensitive surfaces such as metallic glazes or marble. For acid-sensitive surfaces, a neutral or alkaline cleaner, used in combination with Poultice is recommended. Never use harsh acids such as hydrochloric (muriatic) or hydrofluoric, as these acids, and even the acid fumes, can cause damage to tile, stone, grout, humans and pets! The accepted acids (use sparingly) for homeowners use are mild citric, sulfamic, and phosphoric. Always test first for desired results.

DO'S & DON'TS

- Do regularly apply a water based penetrating sealer on all natural stone products
- Always do a small test with sealers & cleaners to ensure desired results
- Do use a sealer on grout joints; except for 100% solid epoxy grout
- Do use only non-abrasive cleaning compound or formula that is recommended for both glass and tile when cleaning glass tile
- Do see your nearest Florida Tile Dealer or Distributor for advice on special cleaning problems or if you have any questions
- Do read and follow label directions for all cleaners and sealers
- Don't combine ammonia and household bleaches
- Don't use harsh cleaning agents such as steel wool pads or strong acids, which can scratch or damage the surface of your tile
- Don't use a cleaning agent that contains color on unglazed tile, natural stone, or white grout, as these porous surfaces may absorb the color

MURALS, RESINS, GLASS, CAST
STONE FIXTURES & METALS

Wipe clean with a damp cloth or sponge using a neutral, non-abrasive cleanser. Be sure any cleaner residue is removed with a clean water rinse. Clean with alkaline tile

cleaner or all-purpose cleaner using a soft cloth. Rinse with clean water and dry with a soft towel. Cast Stone Fixtures and Cast Decors are pre-sealed in manufacturing with water based, liquid silicone rubber dispersed sealer. For re-sealing, the sealing product

should also be the same type as the previous sealer for best penetration. For more detailed information on glass tile installation and maintenance, visit www.floridatile.com or review the TCNA (Tile Council of North America) Handbook Guidelines.

Type of Contaminate	Type of cleaner	Name of cleaner	Manufacturer
Coffee, soft drinks, fruit juice	Alkaline-based cleaner	Deep Cleaner, Heavy Duty Cleaner, Elite Cleaner	OMNI®
		KlenzAll™	STONETECH®
Grease, dirt from traffic, deep-cleaning	Alkaline-based cleaner	Deep Cleaner, Heavy Duty Cleaner, Elite Cleaner	OMNI®
		KlenzAll™	STONETECH®
Wine	Oxidizing cleaner	Poultice Stain Remover	OMNI®
Hard water spots	Acid-based cleaner	Restore™	STONETECH®
		Buffered Acid Cleaner, Sulfamic Acid Cleaner	OMNI®
Rust	Acid-based cleaner	Buffered Acid Cleaner, Sulfamic Acid Cleaner	OMNI®
		Poultice Stain Remover (non-acid)	OMNI®
		Restore™	STONETECH®
Tire, pencil, metal marks	Abrasive paste	Elite Cleaner, Poultice Stain Remover (non-acid)	OMNI®
Ink, marker	Solvent-based cleaner	Epoxy Grout Haze Remover & Coating Stripper	STONETECH®
		Sealer Remover, Poultice Stain Remover (non-solvent)	OMNI®
Dirty grout	Grout cleaner	DeepKlenz™	STONETECH®
		Back-To-New Grout Cleaner, Deep Cleaner	OMNI®
		Concentrated Cleaner, Heavy Duty Cleaner	OMNI®
Any	Neutral wax-free cleaner	Stone & Tile Cleaner	STONETECH®
		Concentrate Cleaner, Deep Cleaner	OMNI®

Warranty

FLORIDA TILE'S LIMITED WARRANTY

Florida Tile warrants Florida Tile branded tile products and all other products manufactured by Florida Tile ("Florida Tile Products") to meet or exceed the applicable requirements of American National Specifications Institute, Specification ANSI A137.1-2012. Florida Tile further warrants Florida Tile Products to conform to any specific physical properties stated in Florida Tile's then-current product literature, and to be reasonably free from manufacturing defects.

RESIDENTIAL LIMITED LIFETIME WARRANTY:

The warranty set forth above for Florida Tile Products installed in a residence will remain in effect for as long as the original purchaser owns his or her home and is non-transferable.

COMMERCIAL LIMITED WARRANTY:

Florida Tile defines a commercial installation as any structure other than a dwelling occupied by the owner of the tile. The warranty set forth above for Florida Tile Products installed in a commercial installation will extend for a period of 18 months from the date of shipment of the product.

THIRD PARTY PRODUCTS:

All products sold by Florida Tile other than Florida Tile Products ("Third Party Products") shall be sold subject to the manufacturer's express warranties. Florida Tile makes no other warranty with respect to Third Party Products.

WARRANTY LIMITATIONS:

The remedies described above are your sole and exclusive remedies and our entire liability for any breach of this residential limited lifetime warranty and commercial limited warranty. Our liability shall under no circumstances exceed the actual amount paid by you for the defective product, nor shall we under any circumstances be liable for any consequential, incidental, special, or punitive damages or losses, whether direct or indirect, arising out of, or as a result of, the sale, delivery, non-delivery, use, loss of use or for any charges or expenses of any nature, incurred without Florida Tile's prior written consent. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

IMPLIED WARRANTY:

4918-3188-1011.1

We limit the duration and remedies of all implied warranties, including without limitation the warranties of merchantability and fitness for a particular purpose, to the duration of this residential limited lifetime warranty and commercial limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

