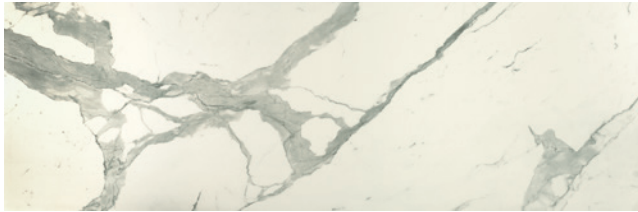


Porcelain Tile Panels – I Naturali

I Naturali – 3+ and 5.6mm Porcelain Tile Panels

Maximum freedom of expression and unexplored possibilities in interior design create a unique collection, which enhances the formal elegance of stone in large dimensions, with reduced thickness, easy handling and speedy application

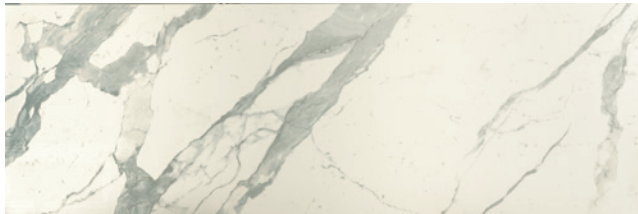
I Naturali – Whites – 3+ and 5.6mm Porcelain Tile Panels



Statuario Venato - 7298 -3+ - **Stocking**
 Statuario Venato - L5778 - 5.6 - **Stocking**



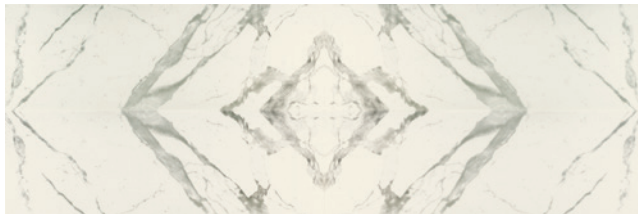
Calacatta Oro Venato - L6093 - 5.6 - **Stocking** Calacatta Oro Venato - L7297 - 3+ - **Special Order**



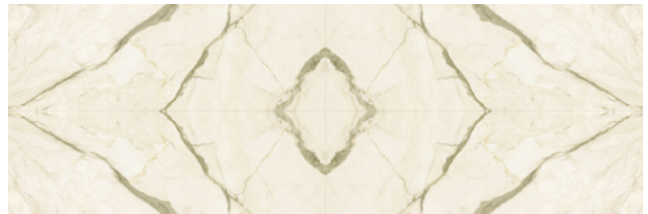
Statuario Venato Polished** - L0319 - 5.6 - **Stocking**



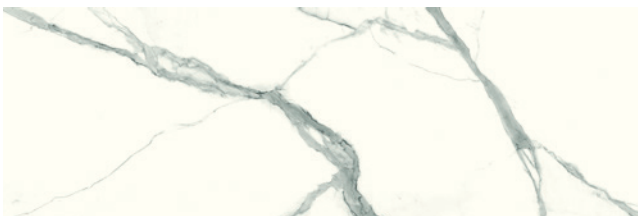
Calacatta Oro Venato Polished** - L0318 - 5.6 - **Stocking**



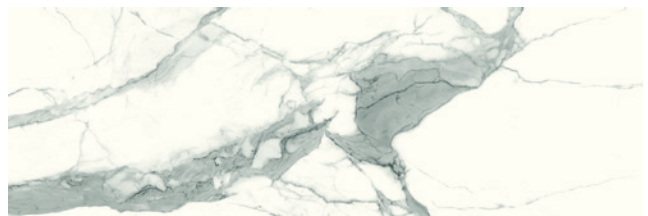
Statuario Venato Bookmatch Polished - L0319.1M3MBM - **Stocking**
 5.6 sold as 2 pieces



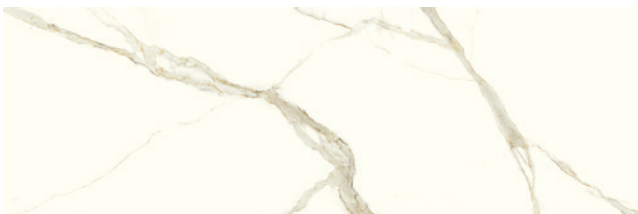
Calacatta Oro Venato Bookmatch Polished - L0318.1M3MBM - **Stocking**
 5.6 sold as 2 pieces



Statuario Altissimo Matte - L8752 - 5.6 - **Stocking**



Statuario Altissimo Polished - L0798 - 5.6 - **Stocking**



Calacatta Michelangelo Matte - L8751 - 5.6 - **Stocking**



Calacatta Michelangelo Polished - L0797 - 5.6 - **Stocking**

Porcelain Tile Panels – I Naturali

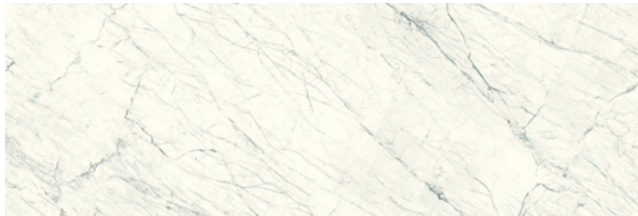
I Naturali – Whites – 3+ and 5.6mm Porcelain Tile Panels



Statuarietto Polished - L0575 - 5.6 - **Stocking**
 Statuarietto Matte - L8935 - 3+ - **Special Order**



Bianco Statuario Venato - L7298 - 3+ - **Stocking**



Statuarietto Bush hammered - L7954 - 5.6 - **Stocking**



Arabescato Bush hammered - L7919 - 5.6 - **Stocking**



Arabescato Polished - L0566 - 5.6 - **Stocking**

Note! These samples depict base color and sheen. Please refer to our website for a more accurate depiction of veining and pattern.

**See chart on the page 5 for further information*



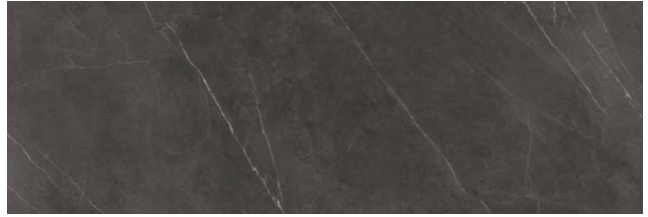
Floor: Arabescato Bush hammered
 Wall: Arabescato Polished

Porcelain Tile Panels – I Naturali

I Naturali – Neutrals – 3+, 5.6mm and 5+ Porcelain Tile Panels



Travertino Avorio - L2224 - 3+ - **Stocking**



Pietra Gray Polished - L0572 - 5.6 - **Stocking**
Pietra Gray Matte - L7947 - 3+ - **Special Order**



Ossidiana Vena Chiara - L3121- 3+ - **Stocking**



Ossidiana Vena Scura - L2770 - 3+ - **Stocking**



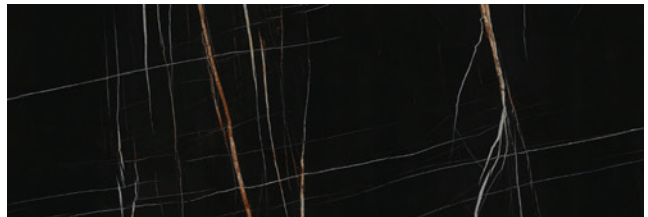
Ossidiana Vena Grigia - L3122 - 3+ - **Stocking**



Pietra Gray Bushhammered - L7951 - 5.6 - **Stocking**



Travertino Grigio Venato Bushhammered - L8705 - 5.6 - **Stocking**



I Naturali Sahara Noir Polished - L1202 - 5+ - **Stocking**
I Naturali Sahara Noir Bush Hammered - L0646 - 5+ - **Special Order**

Note! These samples depict base color and sheen. Please refer to our website for a more accurate depiction of veining and pattern.

**See chart on the page 5 for further information*

Porcelain Tile Panels – I Naturali

Specifications

Laminam 1 meter x 3 meter sheets* - (5+ sheets are 1.2 meter x 5 meter)

	LAMINAM 3+	LAMINAM 5.6	LAMINAM 5+
Piece	32.29 sq. ft./piece	32.29 sq. ft./piece	38.75 sq. ft./piece
Crate	20 pc./crate	13 pc./crate	17 pc./crate
Sq. ft./crate	645.80 sq. ft./crate	419.77 sq. ft./crate	658.75 sq. ft./crate
Lbs./piece	51.66 lbs./piece	93.96 lbs./piece	112.375 lbs./piece
Lbs./crate	1,285 lbs./crate (includes crate weight)	1,422 lbs./crate (includes crate weight)	1916.96 lbs./crate (includes crate weight)
Sq. ft. minimum order	32.29 sq. ft.	32.29 sq. ft.	38.75 sq. ft.

* Laminam arrives in oversize crates. These crates require proper receiving and handling equipment.

Note: Non-full crate orders of 5+ and 5.6mm Laminam or mixed orders of 3+, 5.6 mm and 5+ will arrive on vertical A-frame type crates. These A-frames require the same specialized handling equipment. Please refer to the Laminam technical guide online for receiving and handling information at LaminambyCrossville.com.

Product Features & Benefits

Maximum freedom of expression and unexplored possibilities in interior design create a unique collection, which enhances the formal elegance of stone in large dimensions, with reduced thickness, easy handling and speedy application.

- Available in 3+ for wall use and 5.6 for floor and wall use
- Unparalleled testing and training ensures high performance
- Suitable for indoor surfaces

Product Codes

Series and Color	Item Codes	
	3+ 1M3M	5.6 1M3M
I Naturali Arabascato Bush Hammered	–	L7919.1M3M
I Naturali Arabascato Polished	–	L0566.1M3M
I Naturali Ardesia A Spacco Bianco Textured - 5+	–	L9767.11W3M5+*
I Naturali Ardesia A Spacco Nero Textured - 5+	–	L9758.11W3M5+*
I Naturali Basalto Vena Chiara Matte	L2225.1M3M	–
I Naturali Basalto Vena Scura Matte	L2742.1M3M	–
I Naturali Calacatta Michelangelo	–	L8751.1M3M
I Naturali Calacatta Michelangelo Polished†	–	L0797.1M3M
I Naturali Calacatta Oro Venato	L7297.1M3M	L6093.1M3M
I Naturali Calacatta Oro Venato Polished†	–	L0318.1M3M
I Naturali Calacatta Oro Venato Bookmatch Polished* (sold as 2 pieces) ²	–	L0318.1M3MBM
I Naturali Emperador Extra Bush Hammered	–	L7937.1M3M
I Naturali Emperador Extra Matte	L7935.1M3M	–
I Naturali Emperador Extra Polished†	–	L0569.1M3M
I Naturali Invisible White Matte	–	L8948.1M3M
I Naturali Invisible White Polished†	–	L0870.1M3M
I Naturali Ossidiana Vena Chiara	L3121.1M3M	–
I Naturali Ossidiana Vena Grigio	L3122.1M3M	–
I Naturali Ossidiana Vena Scura	L2770.1M3M	–
I Naturali Pietra Di Savoia Avorio	L6189.1M3M	L5905.1M3M
I Naturali Pietra Di Savoia Grigia	L4968.1M3M	L4552.1M3M
I Naturali Pietra Di Savoia Perla	L5254.1M3M	L5135.1M3M
I Naturali Pietra Di Savoia Antracite	L5136.1M3M	L5253.1M3M
I Naturali Pietra Gray Bush Hammered	–	–
I Naturali Pietra Gray Matte	L7947.1M3M	–
I Naturali Pietra Gray Polished†	–	L0572.1M3M
I Naturali Sahara Noir Polished†	–	L1202.11W3M5+*
I Naturali Sahara Noir Bush Hammered	–	L0646.11W3M5+*
I Naturali Statuarietto Bush Hammered	–	L7954.1M3M
I Naturali Statuarietto Matte	L8935.1M3M	–
I Naturali Statuarietto Polished†	–	L0575.1M3M
I Naturali Statuario Altissimo Matte	–	L8752.1M3M
I Naturali Statuario Altissimo Polished†	–	L0798.1M3M
I Naturali Statuario Venato	L7298.1M3M	L5778.1M3M
I Naturali Statuario Venato Polished†	–	L0319.1M3M
I Naturali Statuario Venato Bookmatch Polished* (sold as 2 pieces) ²	–	L0319.1M3MBM
I Naturali Travertino Avorio	L2224.1M3M	–
I Naturali Travertino Grigio Venato Bush Hammered	–	L8705.1M3M
I Naturali Travertino Navona Bush Hammered	–	L4959.1M3M
I Naturali Travertino Romano Bush Hammered	–	L4938.1M3M

† Indicates that the item is Special Order. Special Order Items are full crate only. Allow minimum 14-16 weeks lead time. Please Contact Customer Service for lead times and availability.

* These panels are 5+mm thick and 1.2m x 3m in size.

² Bookmatch pieces must be ordered in a quantity of 2 and cannot be cut into special sizes.

† Polished Finishes require a penetrating sealer prior to grouting.

– Indicates Item Code in the chart can not be produced.

1M1M and additional cut sizes are also available as special order only.

Allow 3-4 weeks lead time for custom cut.

Porcelain Tile Panels – I Naturali

About Laminam® by Crossville®

Laminam, a brand which stands for innovative materials and unique technology, is the leader in large format porcelain tile panel production. Revolutionary technology concentrates three square meters into unbelievably thin porcelain: 3+ for interior walls and 5.6 for interior floors and interior and exterior walls. Versatile and flexible, it is a genuine skin for contemporary architecture, and is ideal in a host of applications.

Capable of anticipating lifestyle trends, accommodating the needs of design, and participating in the dialog of global architecture, Laminam and Crossville Inc. have joined together to bring Laminam® by Crossville® to the U.S. marketplace. Large format porcelain tile panels for interior walls and flooring—together, creativity is limitless.

Applications

Laminam® is suitable for many indoor applications:

Building sector

Floor and wall coverings, partition and storage walls, false ceilings, surface finishes and restoration, insulated panels and tunnels.

Interior design

Surfaces of kitchen and bathroom tops, cupboards, tables, desks, doors and furnishings in general.

Shipbuilding sector

The lightness and high technical properties of Laminam make it suitable for walls of cruise ships and sports crafts.

Composite and structural panels

The tile panels can be placed on top of each other or over other materials to create extremely light and particularly resistant composite and structural panels suitable in all those cases that require high resistance and reduced weight load on the surface.

Technical Specifications

Laminam 3+, 5.6mm and 5+

Laminam porcelain obtained by wet grinding of clayish raw materials, granite and metamorphic feldspar-containing rocks and ceramic pigments. Compacted by a special shaping in compactor and sintering at 1200°C, with hybrid firing.

Technical info

Laminam 3+

Laminam 3+ is made up of the basic tile panel with the structure reinforced with fiberglass matting applied on the back using special adhesive, thickness: 3mm plus fiberglass

Use of Laminam 3+

- Interior and exterior wall coverings applied using mortar

Laminam 5.6mm

Laminam 5.6mm is made out of the basic tile panel without reinforcing mesh, thickness 5.6mm.

Use of Laminam 5.6mm

- Interior floor and interior and exterior wall coverings applied using mortar to above, below, and slab on grade concrete.

Laminam 5+

Laminam 5+ is made up of the basic tile panel with the structure reinforced with fiberglass matting applied on the back using special adhesive, thickness 5mm plus fiberglass.

Use of Laminam 5+

- Interior floor and interior and exterior wall coverings applied using mortar to above, below, and slab on grade concrete.

Environmental statement

Laminam is a dynamic, flexible and rapidly growing company that makes recycling and sustainability its duty.

The revolutionary tile panel produced by Laminam does not neglect environmental friendliness: natural raw materials, sustainable technology, entirely recyclable products are at the heart of the company's green philosophy. Laminam is associated with the Green Building Council: created with natural materials, the tile panel does not release any substance into the environment and unbacked can be easily milled and recycled in other production cycles. Laminam tile panels are produced adopting sustainable technology which respects the entire ecosystem and is designed to reduce processing waste to a minimum and to limit the use of resources. The use of hybrid kilns that combine gas and electricity significantly reduces CO2 emissions in the atmosphere. Thanks to its large format Laminam optimizes the transport, thus reducing the emission of particulate matter which is harmful for the environment.

Moreover, Laminam has recently completed its own photovoltaic roof, a plant that today has already produced 1 GWh of energy and that in one year is expected to produce an estimated 1.387 GWh, therefore reducing the CO2 emission by 617 tons in the atmosphere and allowing Laminam to produce 15% of its energy requirements.

Distinctive values

Main features

Dimensions 1000x3000mm (39" x 118")

Perfectly Flat

3+: 52 lbs / pc

5.6: 94 lbs / pc

5+: 113 lbs / pc 1200x3000mm (47.24" x 118.11")

Chemical resistance

Crossville® Porcelain Tile Panels resists organic and inorganic solvents, disinfectants and detergents. It can be easily cleaned without affecting its surface characteristics; the only product that can attack the tile panels is hydrofluoric acid.

Wear resistance

Crossville® Porcelain Tile Panels is highly scratch proof and resistant to deep abrasion. The properties of the tile panels remain unchanged even after intensive use and frequent cleaning.

High flexural strength

Crossville® Porcelain Tile Panels has a high modulus of rupture. 3+ is 90 MOR and 5.6 is 50 MOR which are high values. Typical porcelain value is 35-37.

Frost resistance

Crossville® Porcelain Tile Panels average water absorption is 0.1% therefore it is frost resistant and suitable for any weather condition.

Fire resistant

Crossville® Porcelain Tile Panels does not contain organic material therefore it is resistant to fire and high temperatures. In the event of fire it does not release smoke or toxic substances.

Chromatic properties

Crossville® Porcelain Tile Panels does not contain organic pigments and is resistant to UV rays. Even if subjected to severe climate changes, the colors remain stable.

Graffiti

Crossville® Porcelain Tile Panels are a graffiti resistant ceramic surface; it is easy to clean and even the strongest paints can be removed.

Sustainable

- The use of hybrid kilns that combine gas and electricity significantly reduces CO2 emissions in the atmosphere
- Laminam has led the way to a photovoltaic system being installed on the roofs of its two Fiorano Modenese plants
- Over a year, this photovoltaic system guarantees the production of around 1,050 GWh, thereby enabling the company to produce 10% of its energy requirements
- In terms of CO2 reduction, Laminam's photovoltaic roof system eliminates the release of 525 tons of CO2 into the atmosphere annually
- Member of the Green Building Council Italia, this Italian association of manufacturing leaders strive to transform the building market towards environmental sustainability and to build livable communities. Partners of GBC Italia promote environmental, economic and social responsibility by innovating the way in which buildings are designed, built and used.