

## Porcelain Tile Panels – Filo

### Filo – 3+ Porcelain Tile Panels

Technology and research into materials and style lead to the creation of a surprising texture, stemming from the image of a continually repeated glistening wire that forms a woven pattern, a shiny metal surface.

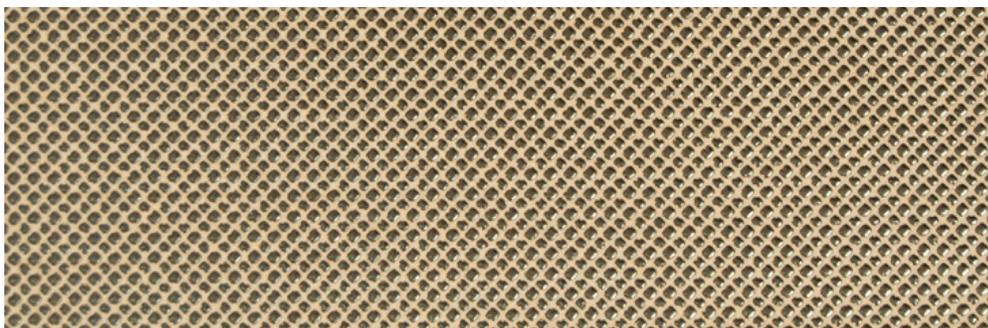


*Note! These samples depict base color and sheen. Please refer to our website for a more accurate depiction of veining and pattern.  
\*See chart on the next page for further information*

Brina - L2879 - 3+ (Walls) - **Stocking**



Argento - L2092 - 3+ (Walls) - **Stocking**



Oro - L2093 - 3+ (Walls) - **Stocking**



Ghisa - L2095 - 3+ (Walls) - **Stocking**

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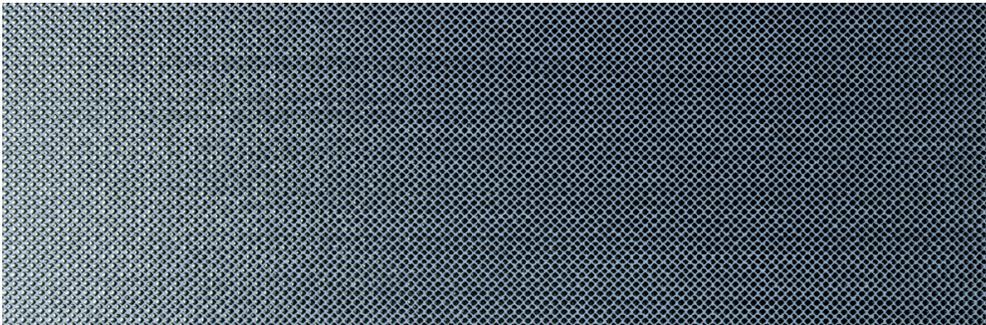
### Filo – 3+ Porcelain Tile Panel LF

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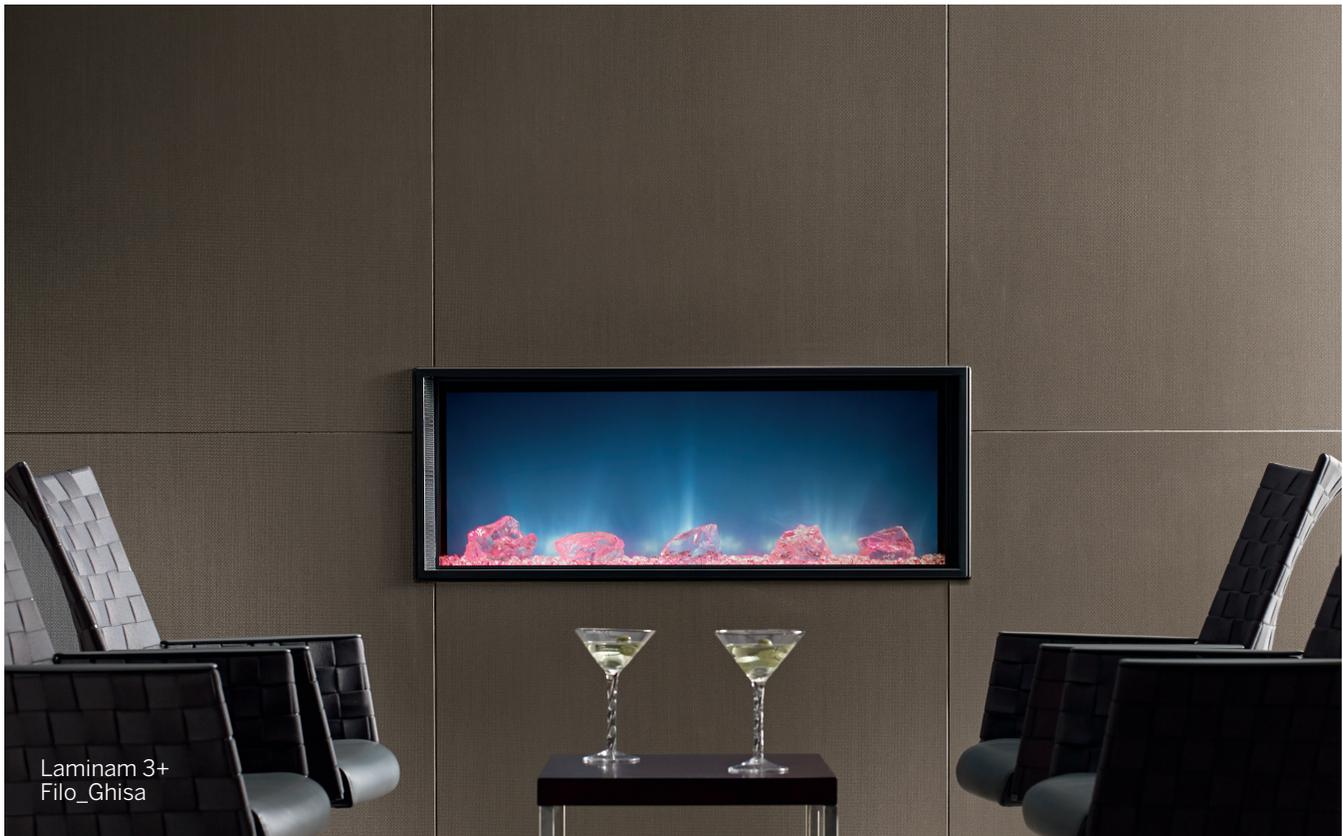
*\*See chart on the next page for further information*



Pece - L2880 - 3+ (Walls) - **Stocking**



Mercurio - L2882 - 3+ (Walls) - **Stocking**



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## Specifications

### Laminam 1 meter x 3 meter sheets\*

	LAMINAM 3+
Piece	32.29 sq. ft./piece
Crate	20 pc./crate
Sq. ft./crate	645.80 sq. ft./crate
Lbs./piece	51.66 lbs./piece
Lbs./crate	1,285 lbs./crate <i>(includes crate weight)</i>
Sq. ft. minimum order	32.29 sq. ft.

\* Laminam arrives in oversize crates. These crates require proper receiving and handling equipment.  
**Note:** Non-full crate orders of 5.6mm Laminam or mixed orders of 3+ and 5.6 mm 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](http://LaminambyCrossville.com).

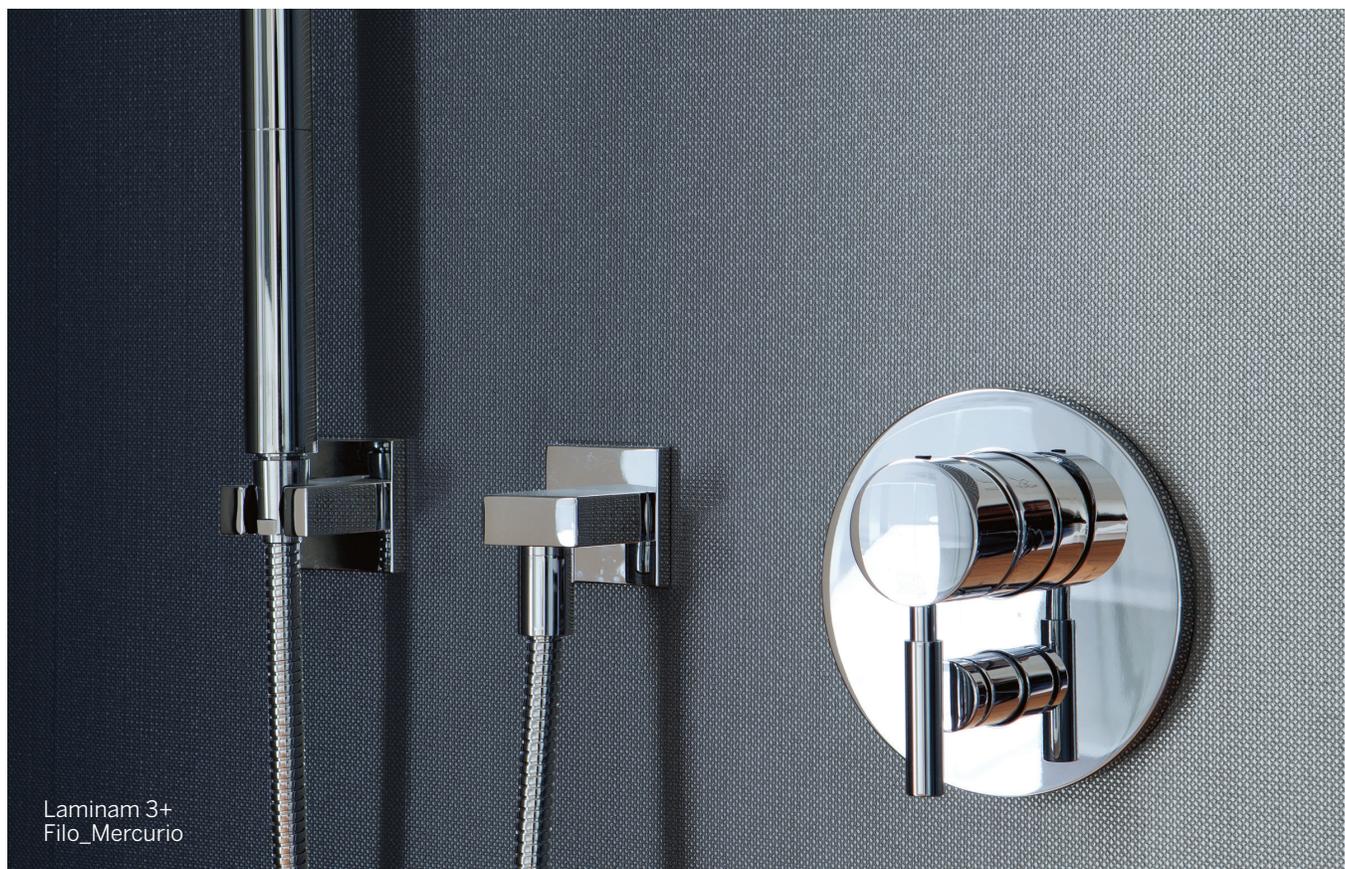
## Product Features & Benefits

Technology and research into materials and style lead to the creation of a surprising texture, stemming from the image of a continually repeated glistening wire that forms a woven pattern, a shiny metal surface.

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

## Product Codes

Series and Color	Item Codes
	3+ 1M3M
Filo Argento	L2092.1M3M
Filo Brina	L2879.1M3M
Filo Ghisa	L2095.1M3M
Filo Mercurio	L2882.1M3M
Filo Oro	L2093.1M3M
Filo Pece	L2880.1M3M



Laminam 3+  
Filo\_Mercurio

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## About Crossville® Porcelain Tile Panels

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.

## Applications

Crossville® Porcelain Tile Panels are 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+ and 5.6mm

Tile panels are produced by wet grinding of clayish raw materials, granite, and metamorphic feldspar-containing rocks and ceramic pigments. They are compacted shaping in compactor, sintered at 1200° C with hybrid firing. 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 Info

### Laminam 3+

3+ tile panels are made up of the basic tile panel with the structure reinforced with fiberglass matting applied on the back using special adhesive.

Thickness: 3mm plus .5mm fiberglass mesh.

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.
- **Polished finish requires a penetrating sealer prior to installation**

*Information listed here is subject to change. Please refer to [LaminambyCrossville.com](http://LaminambyCrossville.com) for the latest, most accurate information.*

## 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

Perfectly Flat

3+: 52 lbs / pc

5.6: 94 lbs / pc

### 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.