

## Porcelain Tile Panels – Ardesia a Spacco

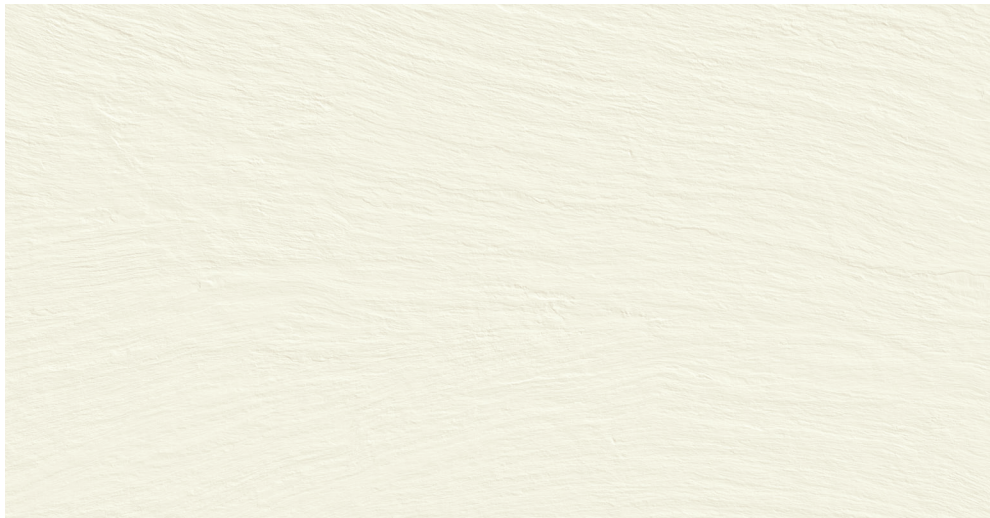
### Ardesia a Spacco – 5+mm Porcelain Tile Panels

For over 2,500 years, Pietra di Lavagna slate from Liguria, Italy has been revered as an elegant, sophisticated surfacing material. Honoring this traditional stone, our artisans were inspired to create a naturally clefted slate look—Ardesia a Spacco, a porcelain panel unlike any other. The result is a superior performing panel with strength and resilience found only in porcelain.



Nero - L9758 5+ 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 next page for further information*



Bianco - L9767 5+ Stocking

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## Specifications

### Laminam 1.2 meter x 3 meter sheets\*

|                       | LAMINAM 5+                                     |
|-----------------------|--|
| Dimensions            | 1200x3000mm                                    |
| Piece                 | 38.75 sq. ft./piece                            |
| Crate                 | 17 pc./crate                                   |
| Sq. ft./crate         | 658.75 sq. ft./crate                           |
| Lbs./piece            | 113 lbs./piece                                 |
| Lbs./crate            | 1,916.96 lbs./crate<br>(includes crate weight) |
| Sq. ft. minimum order | 38.75 sq. ft.                                  |

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

**Note:** Non-full crate orders of 5+mm 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

- Available in 5+ for floor and wall use
- Unparalleled testing and training ensures high performance
- Suitable for interior floors, and interior and exterior wall coverings

## Product Codes

| Series and Color | Item Codes |
|------------------|------------|
|                  | 5+ 1M3M    |
| Nero             | L9758.1M3M |
| Bianco           | L9767.1M3M |

## Edge Finishing Technique



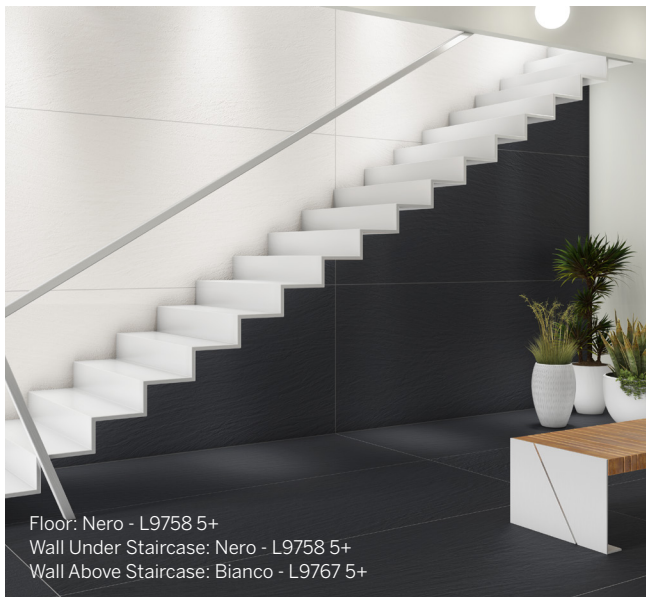
3+ and 5.6mm  
Using Profiles



5.6mm Field  
Applied  
Bullnose



5.6mm  
Back Mitered  
and Epoxied



Floor: Nero - L9758 5+  
 Wall Under Staircase: Nero - L9758 5+  
 Wall Above Staircase: Bianco - L9767 5+



Bianco - L9767 5+

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## 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 and 5+ 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 floor and interior and exterior wall coverings—together, creativity is limitless.

## Applications

Laminam® is suitable for many 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.

### Exterior wall coverings and vertical surfaces

The tile panels can be used on most exterior walls and vertical surfaces.

## Technical Specifications

### Laminam 3+ and 5.6mm

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 5.6+

Laminam 5.6+ is made up of the basic tile panel with the structure reinforced with fiberglass matting applied on the back using special adhesive, thickness 5.6mm plus fiberglass.

Use of Laminam 5.6+

- 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 1200x3000mm

Perfectly Flat

5+: 113 lbs / pc

### Chemical resistance

Laminam 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

Laminam 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

Laminam 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

Laminam's average water absorption is 0.1% therefore it is frost resistant and suitable for any weather condition.

### Fire resistant

Laminam 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

Laminam does not contain organic pigments and is resistant to UV rays. Even if subjected to severe climate changes, the colors remain stable.

### Graffiti

Laminam is 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.

## Warranty

Crossville, Inc. guarantees that its Laminam 3+ Wall and 5.6 and 5+ Floor products will meet or exceed the performance specifications outlined in ANSI A137.3-2017. For complete details please see the performance table of the Laminam Technical Guide located on Crossville's website: [www.CrossvilleInc.com](http://www.CrossvilleInc.com).

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