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Italian porcelain stone with exceptional performance

Laminam[®] is a full-bodied Italian porcelain slab, exclusively large in size with minimal thickness, using the highest quality raw materials, sintered under extreme pressure and heat to create an incredibly durable surface.

Laminam® have pioneered the manufacture of sintered porcelain surfaces which lead the market in strength, quality, and ease of fabrication.

Laminam® is made entirely from natural stones and minerals - clays, granite rocks and ceramic pigments are sintered together under extreme pressure and heat, making it incredibly resistant to water and fire - hot pots, spills and stains are no match for Laminam®.

The manufacturing process perfects the precise amount of heat and pressure required to make high quality porcelain surfaces, whilst the high feldspar content makes it less brittle and more forgiving to fabricate than other sintered stones with a high glass content.

The revolutionary slab does not neglect environmental friendliness: natural raw materials, sustainable technology, and entirely recyclable products are at the heart of Laminam's green philosophy.



004 Laminam's Environmental Commitment

Laminam's environmental commitment

Laminam[®] focuses constant attention on increasing the efficiency of its production processes and lowering its environmental impacts. Laminam[®] is a product made of 100% natural minerals and it does not release any elements into the environment.

Laminam® is ISO 14001 certified guaranteeing the presence of a management system dedicated to monitoring the company's environmental impacts, supported by continuous research to improve processes in a sustainable manner.

Leed and Bream

Laminam® is a member of the Green Building Council Italy, which promotes the reduction of negative impacts of buildings and construction on the environment.

NSF

Laminam® is the first manufacturer of porcelain surfaces to have obtained the NSF (American National Standard for Food Equipment) 'Solid surfacing for food zone' certification.









Laminam[®] Health and Safety

Laminam® naturally low in silica (see chart below)

The raw materials used in the porcelain manufacturing process include various minerals such as granite and sand in which crystalline silica - a silicon compound whose chemical formula is SIO2 - is naturally present in low levels (15-20%).

Only during the working/processing of Laminam® slabs, such as: cutting, grinding, polishing, drilling, etc., dust may be released that partly contains crystalline silica and possibly glass fibers.

Crystalline silica dust is generated exclusively during mechanical processing of natural and artificial stones (cutting, drilling, grinding, etc.). Some of these dust particles can be so small that they are not visible and can be inhaled by a worker.

What is silica?

Silica, or silicon dioxide, is a molecule formed by the combination of two elements (silicon and oxygen) that make up about 70% of the earth's crust. Silica can be crystalline or non-crystalline.

What is crystalline silica?

It is a particular form of solid state silica with an ordered molecular structure. The most common type of Crystalline Silica is Quartz (CAS 14808-60-7), another form of crystalline silica is Cristobalite,

widely used to produce quartz resins, totally absent in Laminam® materials. Different types of building materials and natural or artificial stones contain quantities of silica, see table below for examples.

With a crystalline silica content of between 15 and 20%, Laminam® materials have some of the lowest risk levels found on construction materials, including materials of natural origin. Therefore, within processing companies, the processing of Laminam is producing less crystalline silica dust when compared with the processing of other natural materials or composite stone.

Note: Handling, storage and installation of Laminam® materials, which do not include processing do not generate crystalline silica, and thus do not expose workers and end users to any health hazard.

At Laminex New Zealand® the health and safety of our team, customers and our community are our highest priority. We assess safety practices of every new Laminam® fabricator to ensure safe handling practices and conditions are paramount when fabricating all Laminam® products. Refer to the Laminam® good processing practice guide for details.

Туре	Amount
Composite (engineered or manufactured) stone in low silica	> 40%
Natural sandstone	67%
Granite	25-40%
Bricks	35-45%
Shale	>22%
Laminam®	15-20%

600 Laminam* / What is Laminam* made from? Laminam* / Surface Finishes p**07**

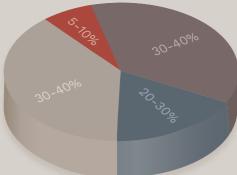
What is Laminam® made from?

"It all starts with the resources earth provides: clay, sand, and feldspar."

Laminam® is part of a new generation of high-tech porcelain stone. The manufacturing process at Laminam® revolves around an exclusive system to compact carefully selected and refined clays and feldspars; an industrial process that turns the raw material into porcelain surfaces. Feldspars are the most abundant and widespread rock-forming minerals, containing varying amounts of potassium, sodium and calcium which are found on the surface of the earth.



Feldspar quartz sand - 5-10%





Sodium feldspar - 30-40%



Clay - 30-40%



Potassic feldspar - 20-30%

Feldspar quartz sand







Surface finishes

Surface finishes inspired by nature. Laminam® produces porcelain slabs which challenge the traditional uses of this material.



Benchtop Supernova Luna Grey, Laminam® 12+ 1620x3240mm, 12+mm thickness

Textured finish

Textured finish is extremely attractive to the touch, bush hammered and with different levels of depth and angularity - appreciated in interior design also for its technical qualities compared to the polished finish, particularly for use as kitchen benchtops and bathroom vanity tops, as well as for indoor and outdoor applications.



Benchtop Supernova Planet Brown, Laminam® 12+ 1620x3240mm, 12+mm thickness

Matte finish

Matte finish - The matte finish offers a beautiful smooth feel with a non-reflective surface, creating a symbol of modernity in indoor and outdoor applications, adding a touch of luxury to any space and environment while giving it an authentic and contemporary identity.

Laminam* / Why Laminam* p09

Why Laminam®?

n**08**

Porcelain benchtops with superior qualities and performance.

Changes linked to lifestyle and the use of spaces in the home also involve kitchen benchtop surfaces, which nowadays must by necessity be multifunctional and capable of adapting their technical characteristics, to withstand new challenges.

Whether using them to chop ingredients, set down a boiling pan, or as a surface for the computer when working from home or for the children's afternoon snack, Laminam® porcelain benchtops meet the needs of the contemporary kitchen while offering superior performance compared to those in other materials, such as quartz, laminate, wood, solid surface, natural stone and steel. Specifically, they inhibit the presence of bacteria, mould and mildew, are resistant to scratches, abrasions, changes in temperature, chemicals, are stain resistant, do not absorb moisture, and withstand UV rays.



Scratch and abrasion resistance

Cooking means experimenting, and nothing makes you feel more like a chef than doing so directly on the kitchen benchtop. An experience which Laminam® porcelain slabs allow without restraint, thanks to their resistance to cuts and abrasions. Their characteristics remain unchanged even after intensive use and frequent cleaning.

15 Year Warranty

For total peace of mind, Laminex New Zealand® provides a 15 year limited warranty for Laminam® used in interior and exterior applications if fabricated and installed by an approved installer.



Resistance to thermal shock

From boiling temperatures straight to freezing: kitchen benchtops in solid surface, laminate, wood or quartz suffer thermal shock, showing the effects on their surface.

A Laminam® porcelain slab has high heat resistance despite its slim thickness. It is its very identity that makes the difference: porcelain has the technical capability to withstand contact with both extremely high and extremely low temperatures.



Resistance to stains and chemical agents

Laminam® porcelain slabs are anti-absorbent: they have a remarkably low level of porosity, especially when compared with other materials.

What's more, Laminam® finishes can be easily cleaned with common household cleaners as they are highly resistant to chemical agents, and as such do not require any special products.



Resistant to moisture and UV rays

Another strength of Laminam® porcelain surfaces, especially in terms of the new functionalities required of kitchen benchtops, is their capacity for withstanding moisture. Again, their reduced porosity means they do not absorb water like with wood or natural stone.

This characteristic of not absorbing liquids means the benchtops offered by Laminam® are suitable for outdoor use.

Laminam® does not contain organic pigments and is resistant to UV rays.

The colours remain stable even when subjected to severe climate changes.

Key attributes



Slab Optimisation

Laminam® slabs do not require tension release therefore the full size of the slab can be utilised.



Low maintenance

Laminam® can be easily cleaned using mild disinfectants and detergents.



Wear resistance

Laminam® is highly scratch and abrasion resistant. The properties of the slab remain unchanged even after intensive use and frequent cleaning.



High strength

Due to its excellent mechanical properties, Laminam® is suitable for demanding applications like flooring.



Lightweight

With a weight of just 7kg or 12kg per square metre (3.5mm and 5.6mm ranges respectively), Laminam® is very light reducing weight to building structures.



Frost resistance

Laminam's average water absorption is 0.1% so it is frost resistant and suitable for all weather conditions.



Reaction to fire

Laminam[®] does not contain organic material so it is resistant to fire and high temperatures. In the event of fire it does not release smoke or toxic substances.



Hygienic surface

Because Laminam® does not allow the formation of mould, bacteria or fungi, it is perfectly suitable for food preparation areas.



UV resistant

Laminam® does not contain organic pigments and is resistant to UV rays. The colours remain stable even when subjected to severe climate changes.



Eco-friendly

Laminam® is a totally natural product. It does not release any elements into the environment.



Anti graffiti

Laminam® is the first graffiti proof porcelain surface.



Chemical resistance

Laminam® resists organic and inorganic solvents, providing a very durable stain resistant surface.



p12 Laminam® Range Summary p13

Laminam® range summary

Use large porcelain surfaces in previously unthinkable applications.

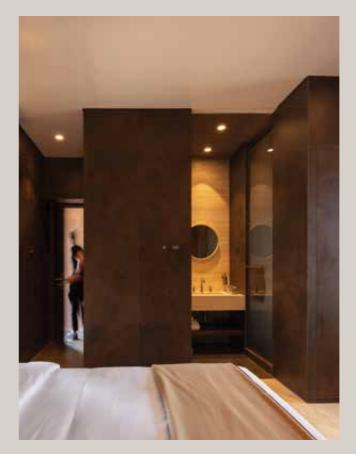
Porcelain surfaces allied to the vision of architects and designers results in truly unique pieces. Laminam® slabs are extremely lightweight, in thicknesses that vary from 3mm to 12+mm, making it possible to achieve an exceptionally high level of customisation.



Benchtop Supernova Luna Grey, Laminam[®] 12+ 1620x3240mm, 12+mm thickness

12+ Range - Benchtops, indoor & outdoor furniture and splashbacks

The Laminam® 12+ Project and Ultra range is ideal for indoor and outdoor applications, ranging from tables to kitchen and bathroom benchtops, splashbacks, and suitable for use in the building industry for facades and walls.



Wall lining Ossido Bruno, Laminam® 5+ 1000x3000mm, 5.6mm thickness ©ANARCHITECT Al Faya Lodge, Photo Fernando Guerra

5+ Range - Flooring, wall linings, splashbacks and cladding

The Laminam® Slim Porcelain Tile 5+ range is ideal in residential and heavy commercial flooring applications, (either on screed or existing floors through direct adhesion), splashbacks, ventilated facades, curtain walls, furniture industry and interior design.



Wall lining Ossido Verderame, Laminam® 3+ 1000x3000mm, 3.5mm thickness Hotel Country House VillaDorata Designer Sara Bertoni

3+ Range - Wall linings, low impact residential flooring and splashbacks

The Laminam® Slim Porcelain Tile 3+ range is ideal for low impact residential flooring and wall covering application, (either on screed or existing walls and floors not affected by heavy traffic through direct adhesion) splashbacks, ventilated facades and curtain walls.

Laminam* / Product Sizes

Laminam* / Product Sizes



Sizes

Perfection and unique performance that stands the test of time.

Laminam[®] is available in three thicknesses; with different decors in each thickness.

1620x3240mm slab size 12.5mm thickness*



Ideal for benchtops, indoor & outdoor furniture and splashbacks

*12mm slab thickness plus 0.5mm fibreglass mat

1000x3000mm slab size 5.6mm thickness*

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Ideal for flooring, wall linings, splashbacks and cladding

*Two decors, I Naturali Ardesia Bianco a Spacco and I Naturali Ardesia Nero a Spacco, in the 5.6mm range are 1200x3000mm slab size

1000x3000mm slab size 3.5mm thickness



Ideal for wall linings, low impact residential flooring and splashbacks



1620x3240mm 12+ Range

Suitable for benchtops, indoor & outdoor furniture and splashbacks.

The Laminam® slab's aesthetic virtues and large size offer a unique artistic advantage, guaranteeing material continuity throughout the settings in sophisticated, natural shades.

The Laminam® 12+ Project and Ultra range is perfect in the world of furnishings. Use for indoor and outdoor applications, ranging from tables to kitchen and bathroom worktops, and suitable for use in the building industry for facades and walls. Can be used outdoors in vertical applications as well. / Nominal thickness: 12+mm.



12+ Project Range

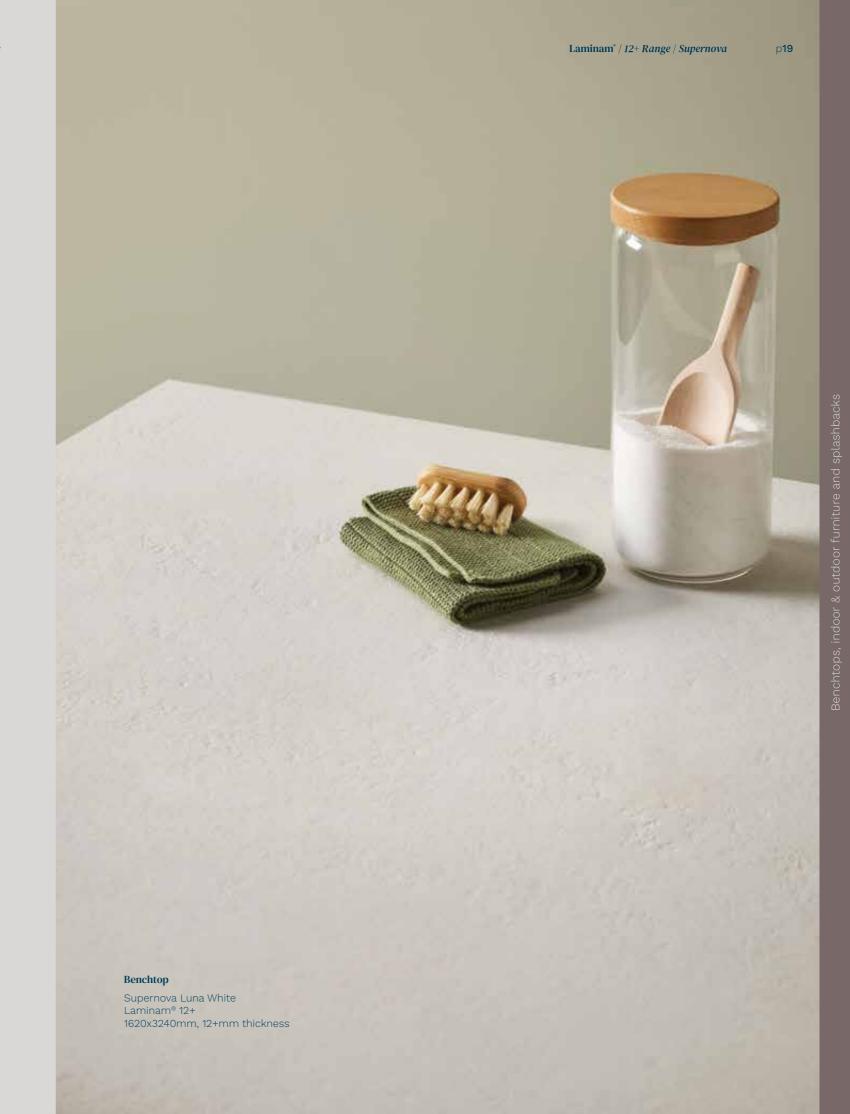
Supernova **Project Range**

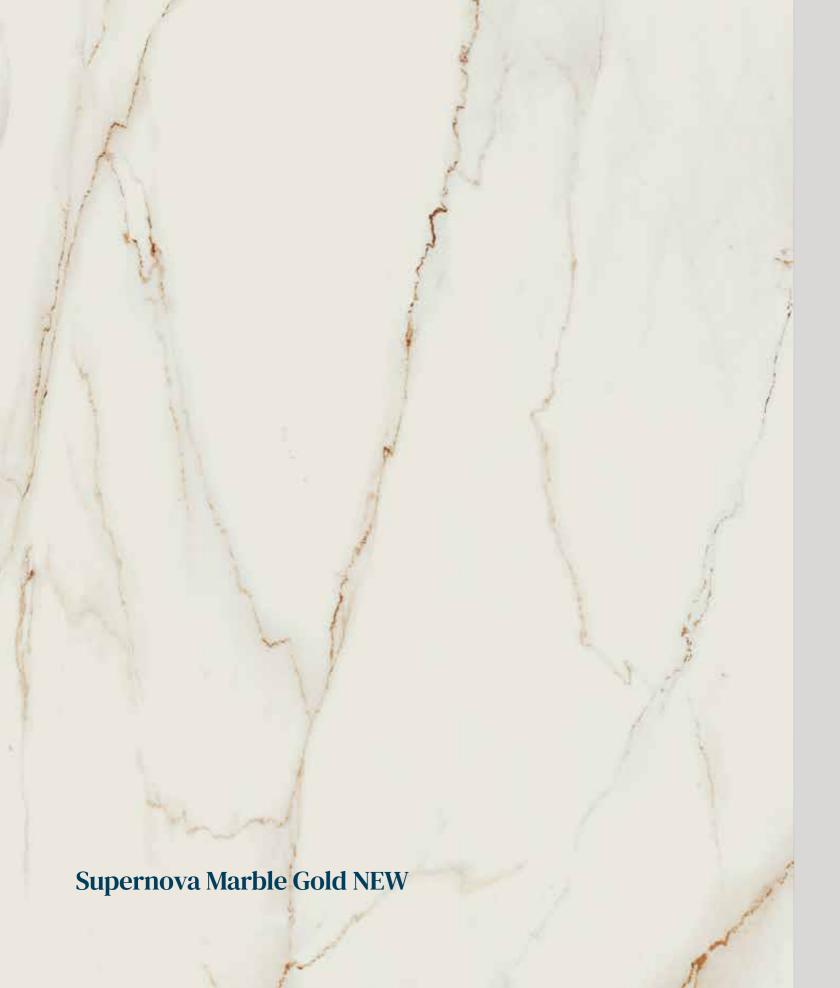
Introducing Supernova to the Laminam® 12+ Project Range. Available in six NEW inspiring decors.

Laminam* / 12+ Range / Supernova

Grasping the dynamic wealth of a live material that is constantly evolving.

> Supernova Luna **White NEW**





Benchtops, indoor & outdoor furniture and splashbacks

p**20**

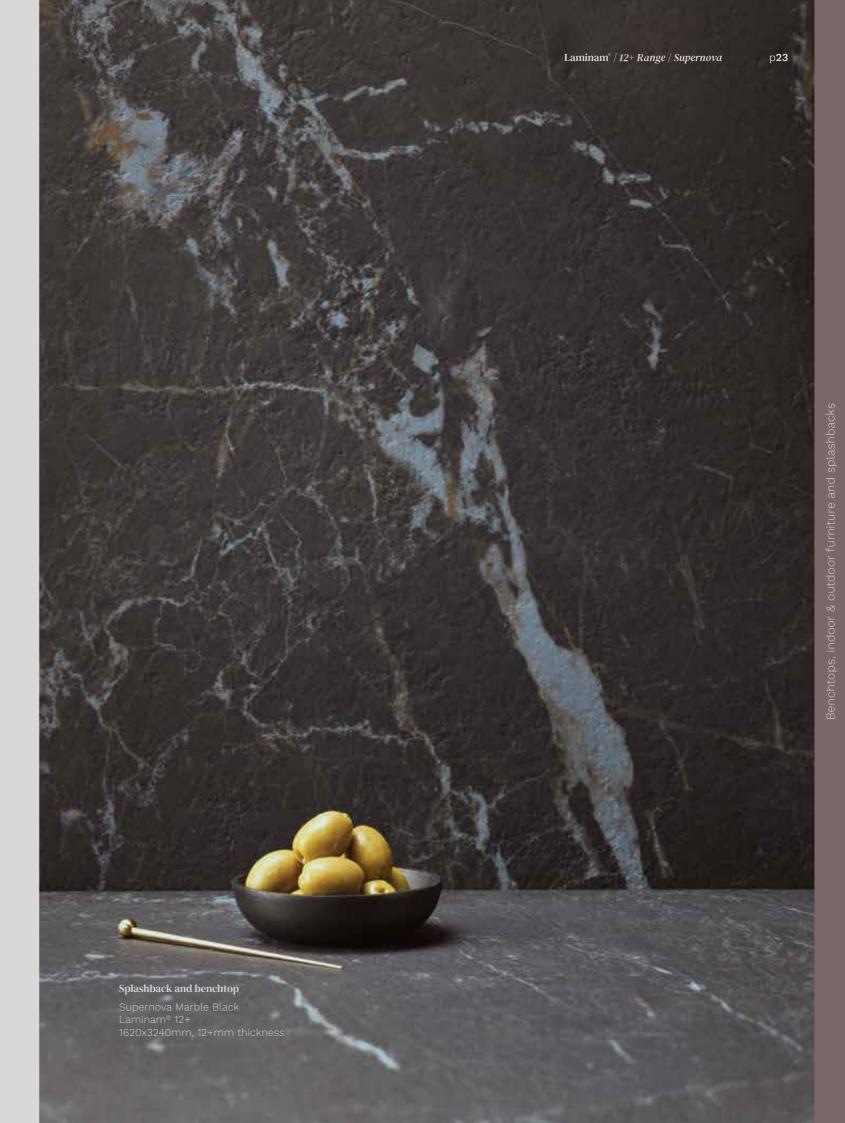
Laminam* / 12+ Range / Supernova











12+ Ultra Range

I Naturali

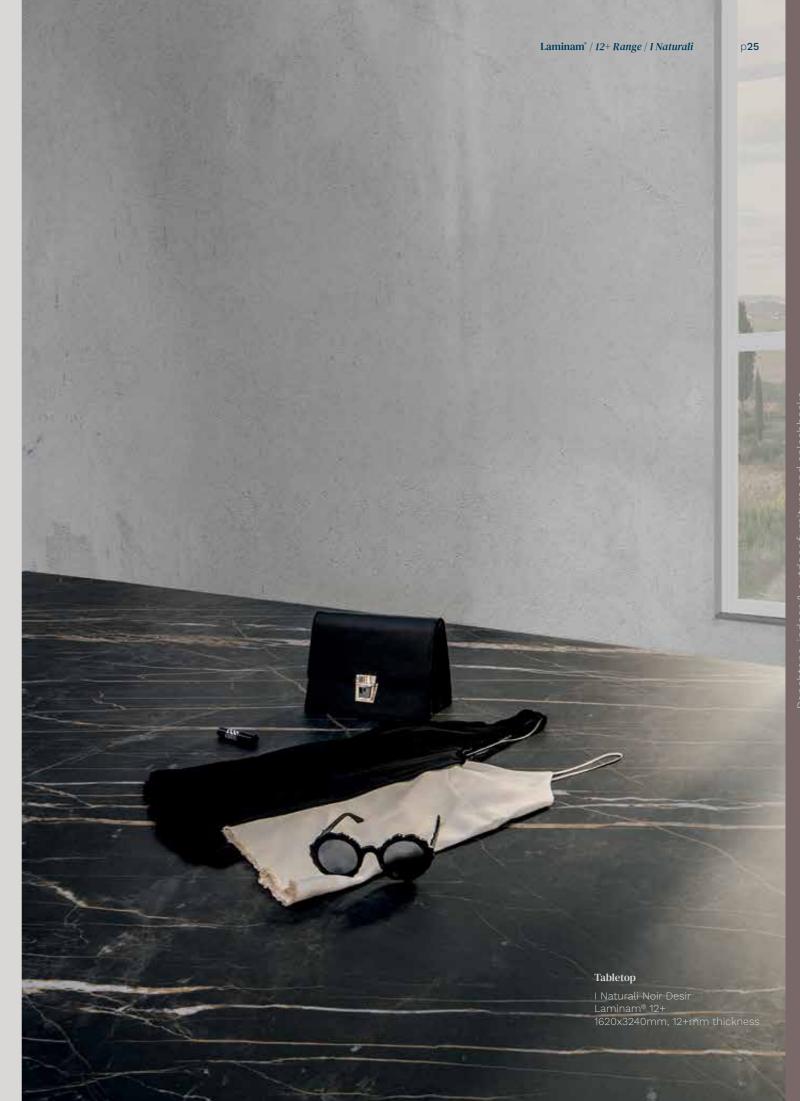
p**24**

A natural quarry with superbly authentic veining effects.



Benchtops, indoor & outdoor furniture and splashbacks

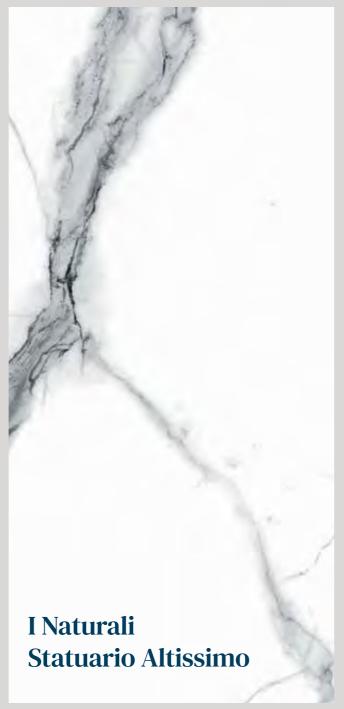
NB: Please note this decor has pattern variations between slabs which are supplied at random.



Laminam* / 12+ Range / I Naturali



NB: Please note this decor has pattern variations between slabs which are supplied at random. Refer to Page 32.







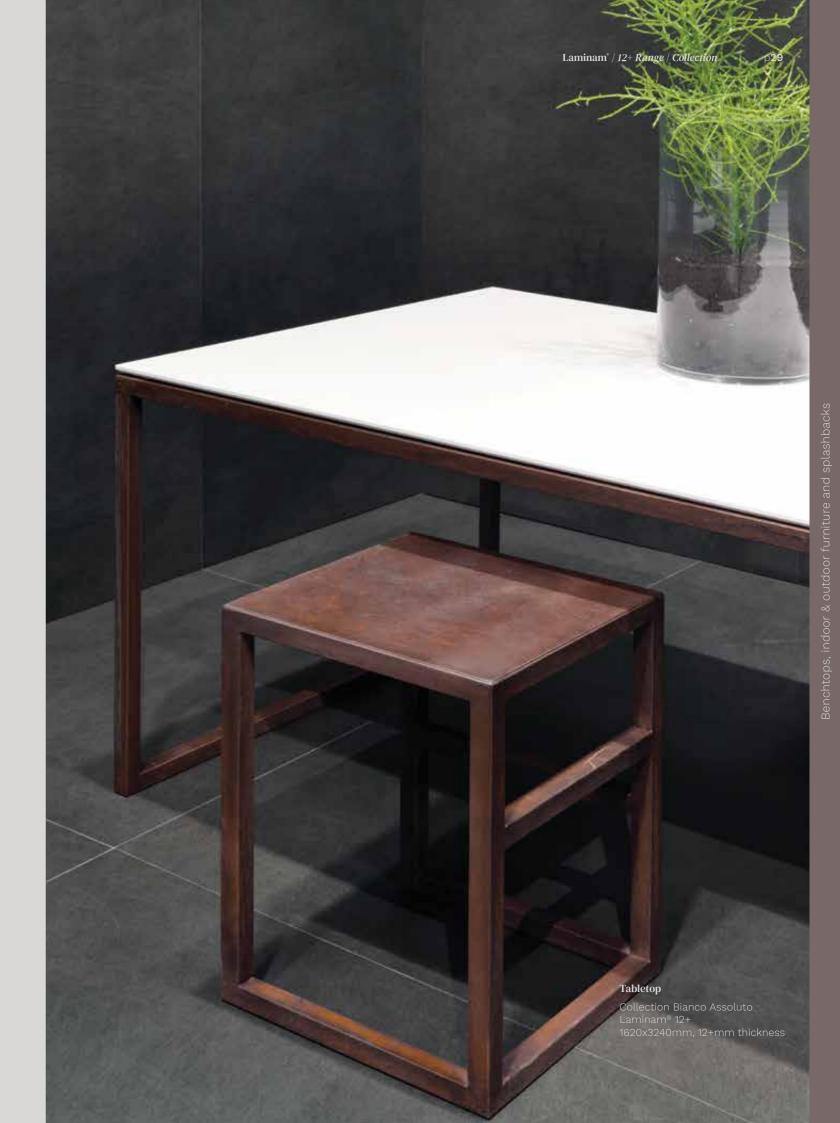
12+ Ultra Range

Collection

Full body colour with a solid background.

Collection Bianco Assoluto

(also available in 1000x3000x3.5mm)



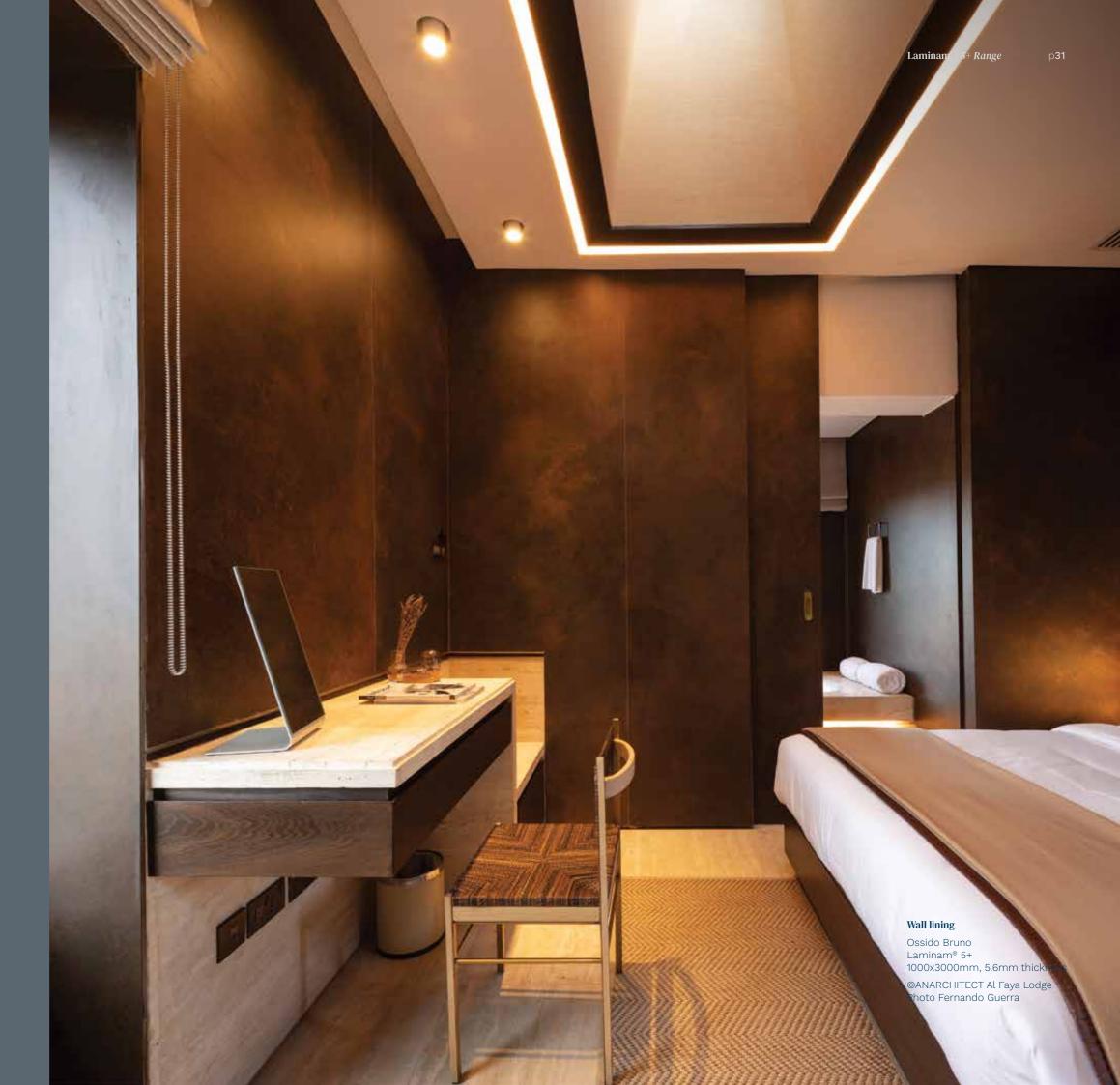


1000x3000mm* 5+ Range

Laminam[®] slim porcelain tile is suitable for flooring, wall linings, splashbacks and cladding.

The Laminam® 5+ range is ideal in residential and heavy commercial flooring applications (either on screed or existing floors through direct adhesion), splashbacks, ventilated facades, curtain walls, furniture industry and interior design.
/ Nominal thickness: 5.6mm.

*INaturali Ardesia Bianco a Spacco and INaturali Ardesia Nero a Spacco comes in 1200x3000mm size.

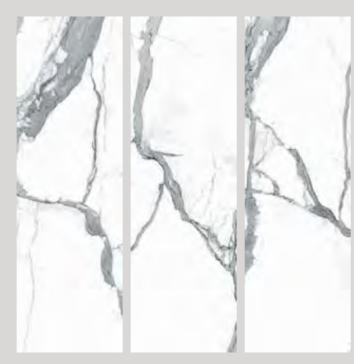


I Naturali

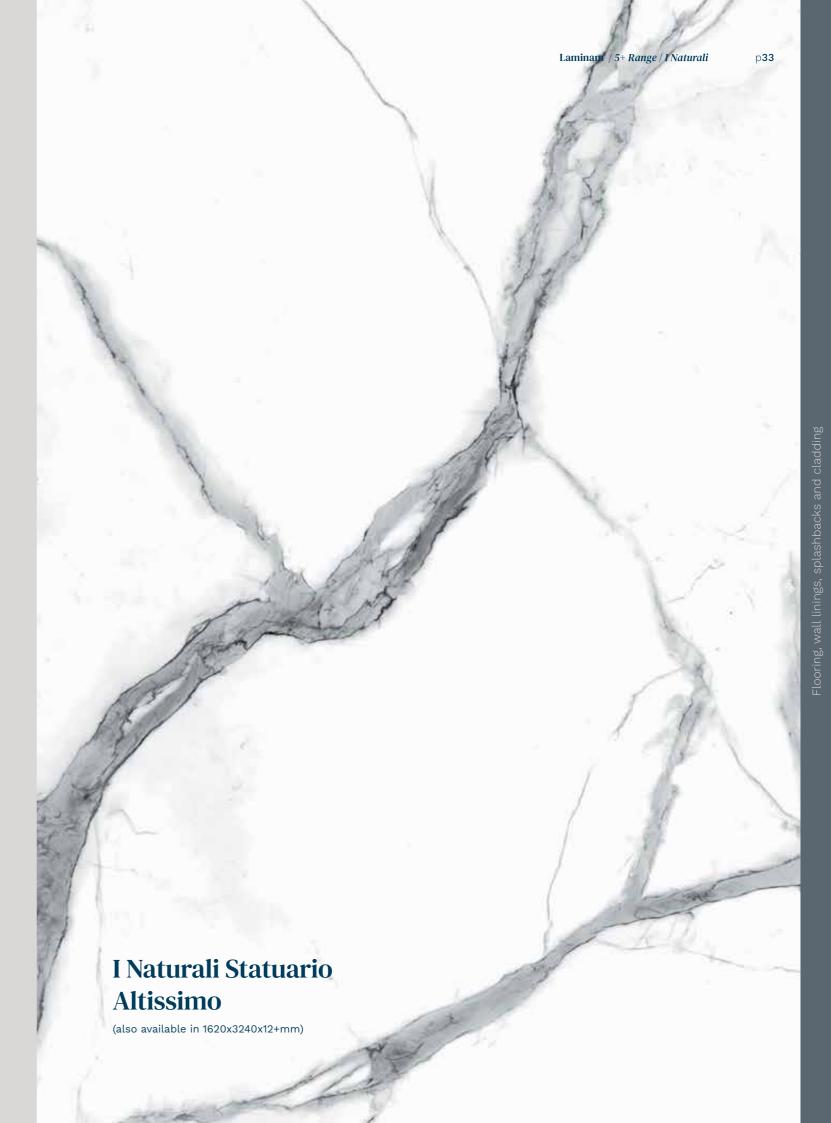
Inspired by intrinsic veining and layering of rock and marble.

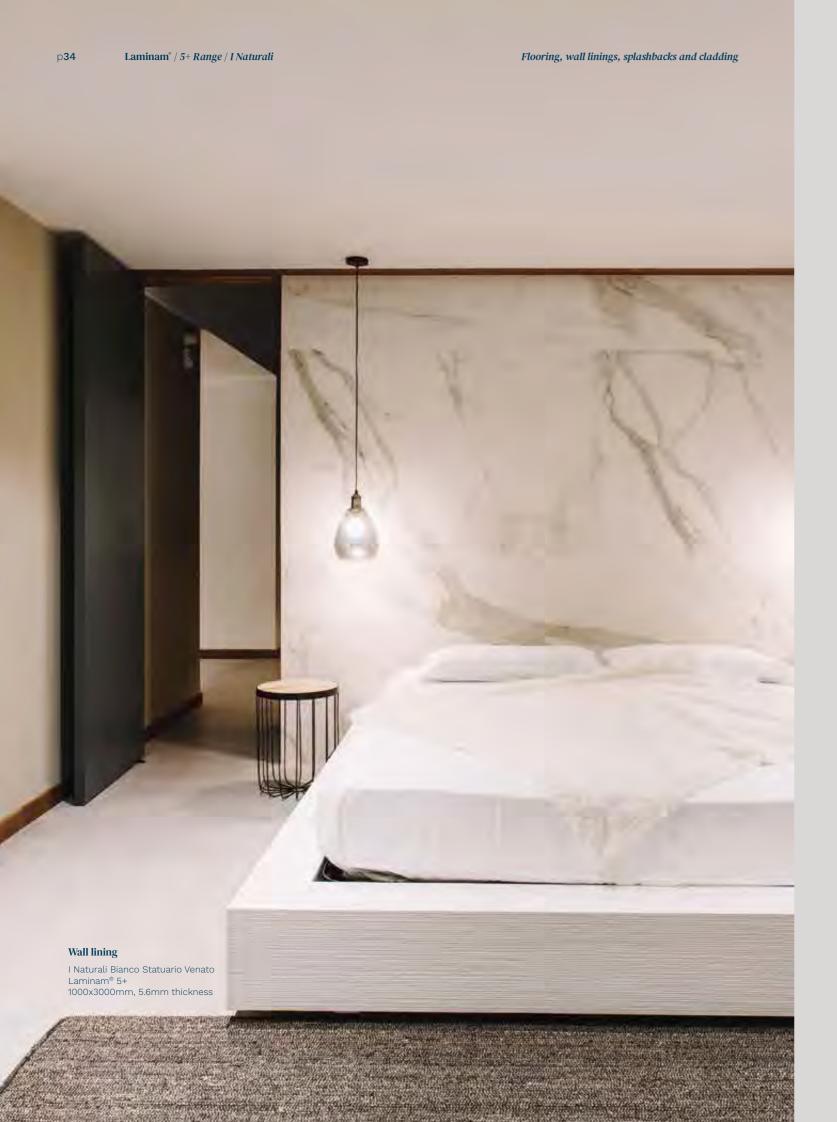
NB: Please note this decor has pattern variations between slabs which are supplied at random (refer to image examples).





Swatches shown are a section between 50-80% of a full sheet.







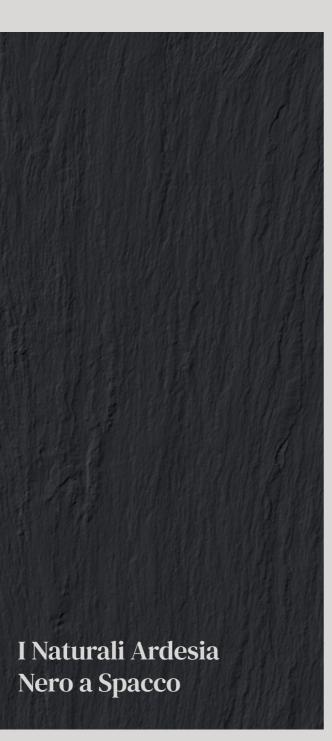


NB: Please note this decor has pattern variations between slabs which are supplied at random (refer to image examples).









Flooring, wall linings, splashbacks and cladding

5+ Slim Porcelain Tile Range

Ossido

The artisan tradition of iron. Slabs are embellished with an artistic note, oriented towards a modern and minimalist aesthetic concept.





1000x3000mm 3+ Range

Laminam[®] slim porcelain tile is suitable for wall linings, low impact residential flooring and splashbacks^{*}.

The thinnest slab ever, the skin for surfaces and structures, designed to multiply intended uses and applications.

The Laminam® 3+ range is suited to low impact residential flooring and wall covering application (either on screed or existing walls and floors not affected by heavy traffic through direct adhesion), splashbacks, ventilated facades and curtain walls.

*For splashbacks a mineral board or 9mm fibre cement board must be used behind 3.5mm Laminam® when a gas cookto installation is less than 200mm from the flame.



Blend

Inspired by cement, the speckled graphics confers a special visual effect.





Collection

A timeless classic, elegant and well-measured.



Collection **Bianco Assoluto**

(also available in 1620x3240x12+mm)



I Naturali

A series inspired by nature, expressed in all its beauty.







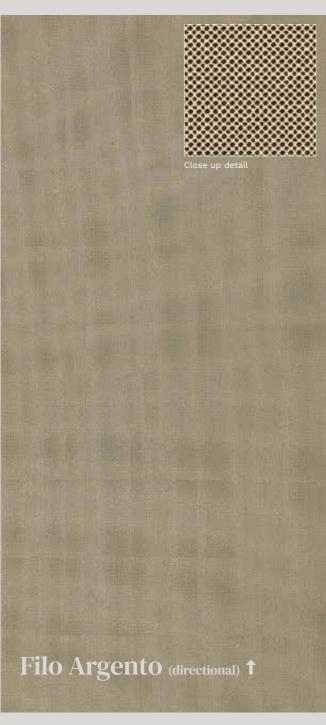
NB: Please note this decor has pattern variations between slabs which are supplied at random (refer to image examples).



Swatches shown are a section between 50-80% of a full sheet.

Filo Filo for a remarkable visual and tactile impact.

NB: The Filo range is suitable for vertical applications and is not recommended for flooring.



Wall linings, low impact residential flooring and splashbacks

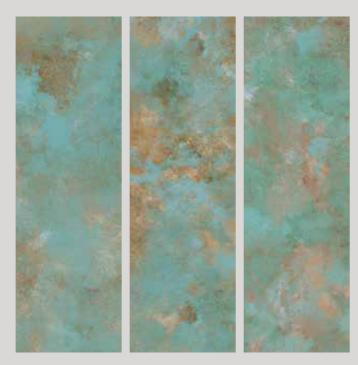




Ossido

Highly textural effects enhanced by light. Ossido is a series whose slabs are embellished with an artistic note, with colour shades reminiscent of the work of artisans.





Swatches shown are a section between 50-80% of a full sheet.



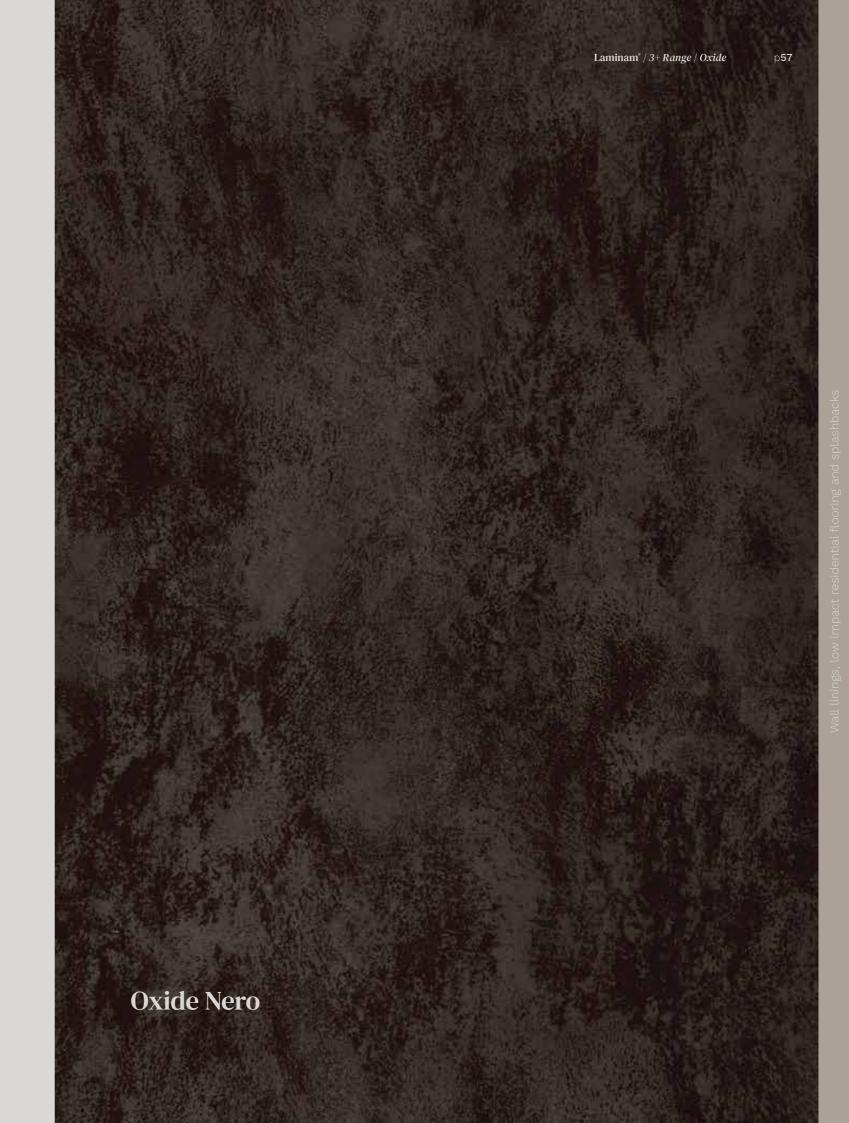
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3+ Slim Porcelain Tile Range

Oxide

Oxide originates from the study of materials exposed to the elements. Oxide surfaces are the sum of multiple decorative technologies that are combined and enriched with natural pigments with a metallic look.

Oxide Perla





Oxide Perla and Nero Laminam® 3+ 1000x3000mm, 3.5mm thickness p60 Laminam" / Technical Details p6

Technical details

Made from porcelain stoneware, Laminam[®] slabs are produced using innovative technology, compacting the material before firing in a hybrid dual-supply (gas, then electric) kiln at temperatures of over 1,220°C. This kiln is designed to ensure an even and completely flat product. The innovative Laminam[®] pressing system removes all traces of tension from the slabs, making it quicker and easier for fabrication and installation.

Laminam® 12+

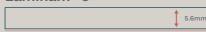


Slabs: 1620x3240mm Nominal thickness: 12.5mm

Limited range stocked in New Zealand.

Laminam® 12+ is made up of a base porcelain slab, strengthened with fibreglass matting applied to the back surface using special adhesive. The extra large format covers a greater surface area reducing product wastage.

Laminam® 5+



Slabs: 1000x3000mm*

*Two decors - I Naturali Ardesia Bianco a Spacco and I Naturali Ardesia Nero a Spacco in the 5.6mm range are

1200x3000mm slab size

Nominal thickness: 5.6mm

Limited range stocked in New Zealand.

Laminam® 5+ is made up of the base porcelain slab with the structure reinforced with fibreglass matting applied to the back surface using special adhesive. The slabs can be cut into other tile formats by local fabricators. The lightweight nature of the Laminam® 5+ allows the slab to be adhered directly onto an existing surface, saving time, expense and waste.

Laminam® 3+



Slabs: 1000x3000mm Nominal thickness: 3.5mm

Limited range stocked in New Zealand.

Laminam® 3+ is made up of the base porcelain slab with the structure reinforced with fibreglass matting applied to the back surface using special adhesive. The 1000x3000mm slabs can be cut into other tile formats by local fabricators. The lightweight nature of the Laminam® 3+ allows the slab to be adhered directly onto an existing surface, saving time, expense and waste[†].

Availability

Laminex New Zealand® is the distributor of the Laminam® 3+, Laminam® 5+ and Laminam® 12+ slabs. Colours and thicknesses stocked by Laminex New Zealand® can be seen in this catalogue. Other colours within these size ranges are available subject to lead times and minimum order quantities.

Laminam® slabs are made from natural materials, therefore variation within the slab and across multiple slabs is possible. For large projects, it is best to request for this product to be batch matched.

Specifying Laminam®

Full design guidelines are available on Laminex.co.nz under Trade and Specifier resources.

Fire rating

New Zealand Building Code (NZBC) – Table C1 Appendix Alternative test or Classification standards for Group Numbers. Laminam® – Group 1S (Fire Class A2 – s1, d0, tested to EN13501-1)

Test Results

For the purposes of compliance with the NZBC Verification Method C/VM2 Appendix A, the following classification is considered applicable to the material as described in Section 1.

Building Code Document	Group Number	Classification
NZBC Verification Method C/VM2 Appendix A	1S	Smoke greater than 250 m2/kg
+For anlookhooks a minoral board or Omm fibro	coment board mus	at he used behind 2 Emm Leminem®

⁺For splashbacks a mineral board or 9mm fibre cement board must be used behind 3.5mm Laminam[®] when a gas cooktop installation is less than 200mm from the flame.

Cutting and installation

Laminam® 12+ must be cut and installed by an approved fabricator. Laminam® 3.5mm & 5.6mm can be cut and installed by an approved tiler. A list of Laminam® fabricators can be found on laminex.co.nz under Trade and Specifier resources.

Matching tops and fronts

Laminam® can be used for horizontal^ and vertical applications allowing for matching tops and fronts. Contact your Laminam® fabricator for more details.

^Excludes Laminam® 3+ Filo Range which is suitable for vertical application only.

Recommended adhesives

Most reputable brands of tile adhesives have a suitable adhesive for installing Laminam[®]. A list of suitable adhesives can be found in the Laminam[®] Technical Guides on laminex.co.nz

Trims

Trims are available from all reputable tile retailers.

Care and maintenance

Laminam® surfaces are easy to clean. For everyday cleaning, it is possible to use mild detergents. Please follow manufacturer's guidelines and dilute cleaners when required.

To remove particularly tough stains or residues it is advisable to carry out an initial clean with hot water and mild detergent. Full details on cleaning can be found on laminex.co.nz under Trade and Specifier resources.

Warranty

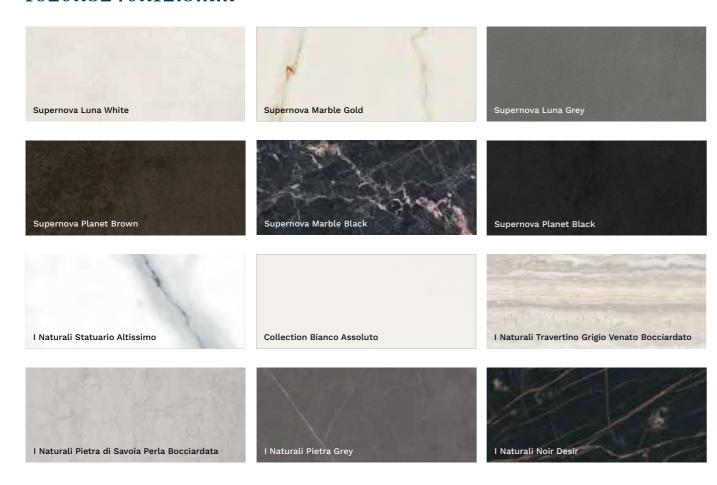
Laminex New Zealand® provides a 15 year limited warranty for Laminam® used in interior and exterior applications if fabricated and installed by an approved installer.

For more information on technical details or to specify Laminam® please visit laminex.co.nz, call 0800 303 606 or talk to your local representative.

p62 Laminam* / Range Overview

Range overview

1620x3240x12.5mm



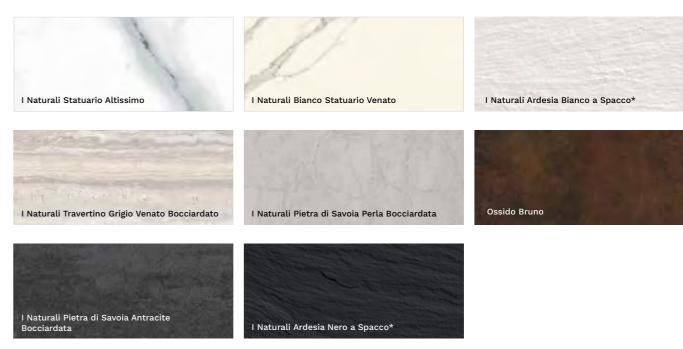
Décor Matches

- Collection Bianco Assoluto Available in 3.5mm and 12.5mm
- Naturali Pietra di Savoia Perla Bocciardata Available in 5.6mm and 12.5mm
- Naturali Statuario Altissimo Available in 5.6mm and 12.5mm
- Naturali Travertino Grigio Venato Bocciardato Available in 5.6mm and 12.5mm

Laminam® slabs are made from natural materials, therefore variation within the slab and thicknesses is possible. We cannot guarantee identical colour in the same decor, across different thicknesses.

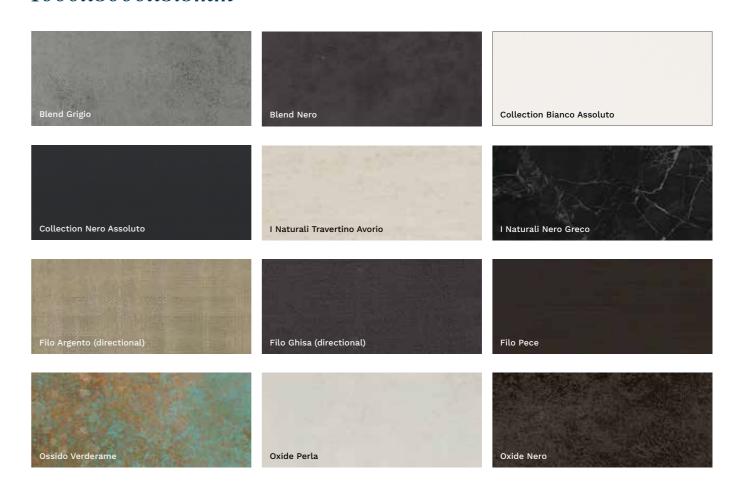
Please note: all decor swatches are not shown at 100 percent scale. We always recommend making final colour selections from an actual sample and check against the actual slab before installing.

1000x3000x5.6mm*



^{*}INaturali Ardesia Bianco a Spacco and INaturali Ardesia Nero a Spacco comes in 1200x3000mm size.

1000x3000x3.5mm



Availability guide

Décor	Finish	Slim Porcelain Tile 3+ 1000x3000 x3.5mm	Slim Porcelain Tile 5+ 1000x3000 x5.6mm	Slim Porcelain Tile 5+ 1200x3000 x5.6mm	Porcelain Benchtop 12+ Supernova Project 1620x3240 x12+mm	Porcelain Benchtop 12+ Laminam Ultra 1620x3240 x12+mm
Blend Grigio	M		111110.03	X3.011111	XIZTIIIII	XIZTIIIII
Blend Nero	M	•				
Collection Bianco Assoluto	M	•				•
Collection Nero Assoluto	M	•				
Filo Argento (directional)	Т	•				
Filo Ghisa (directional)	Т	•				
Filo Pece	Т	•				
I Naturali Ardesia Bianco a Spacco	Т			•		
I Naturali Ardesia Nero a Spacco	Т			•		
I Naturali Bianco Statuario Venato	M		•			
I Naturali Nero Greco	M	•				
I Naturali Noir Desir	M					•
I Naturali Pietra di Savoia Antracite Bocciardata	Т		•			
I Naturali Pietra di Savoia Perla Bocciardata	Т		•			•
I Naturali Pietra Grey	M					•
I Naturali Statuario Altissimo	M		•			•
I Naturali Travertino Avorio	M	•				
I Naturali Travertino Grigio Venato Bocciardato	Т		•			•
Ossido Bruno	M		•			
Ossido Verderame	M	•				
Oxide Nero	Т	•				
Oxide Perla	Т	•				
Supernova Luna Grey	Т				•	
Supernova Luna White	Т				•	
Supernova Marble Black	Т				•	
Supernova Marble Gold	M				•	
Supernova Planet Black	M				•	
Supernova Planet Brown	М				•	

Finishes Key: M = Matte, T = Textured

Laminam® slabs are made from natural materials, therefore variation within the slab and thicknesses is possible. We cannot guarantee identical colour in the same decor, across different thicknesses.



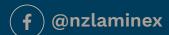
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