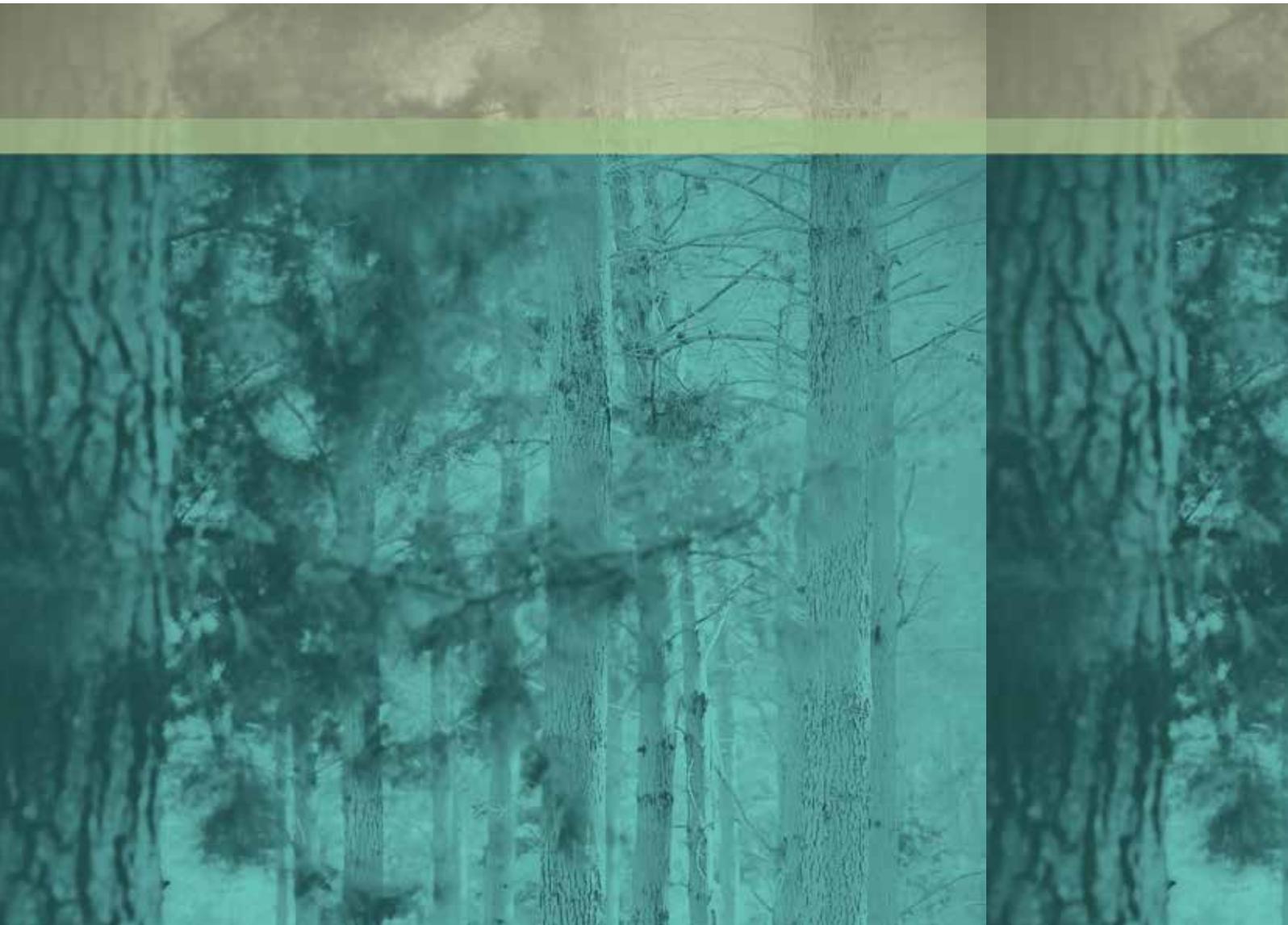


GREENfirst[®]



Laminex
New Zealand[®]



Laminex New Zealand strongly believes in the importance of supporting sustainable building practices. For this reason, we're putting 'green' first and employing a range of processes, as well as the latest technology, to ensure we reduce our carbon footprint and deliver environmentally preferable products wherever possible. From the manufacturing plants to installation, we're working closely with our customers to foster a sustainable building industry.

Product LEADERSHIP

Laminex New Zealand supports the belief that a company needs to be responsible for its actions - socially, ethically, and environmentally.

Laminex New Zealand has established GREENfirst® to encompass numerous programmes of environmental management. This strategy reflects our belief that action must follow good intentions and ambitious goals.

GREENfirst is Laminex New Zealand's commitment to pursuing the highest standard of sustainable performance, consistent with maintaining our market position as a leader of quality products and customer service.

In line with our business philosophy, we have developed a variety of environmentally-preferable solutions that meet, and often exceed, typical industry recommendations.

DECLARED! Laminex New Zealand was the first company in Australasia to have a product (Strandfloor®) listed as 'Red List Free' in the Declare database; a platform of the Living Building Challenge, one of the building industry's most rigorous and ambitious performance standards. Leading on from the success of Strandfloor a selection of Red List Free materials are now available such as Strandboard® and Laminex® Solid Surface. Please refer to the table on page 8 of this brochure. Considered the 'nutrition label' for the industry, and widely accepted as the most advanced green building standard in the world, the Declare label offers unprecedented transparency into the ingredients, sourcing, and manufacturing of labelled products.

INDUSTRY COLLABORATION

Laminex New Zealand works with leading industry and sustainability experts including the Energy Efficiency & Conservation Authority, Sustainable Business Network, The Natural Step and New Zealand Green Building Council. This experience enables us to support our customers through the next step in the sustainability journey - providing the materials, certifications and required testing for green building projects.

Laminex New Zealand is consistently looking for opportunities to continue to lead and support sustainable building practices in New Zealand.





LOW EMISSION PRODUCTS

Laminex New Zealand has a wide choice of low emission products. Backed by independent certification and testing, the use of these specific products can help accrue points in the New Zealand Green Building Council Green Star and Homestar tools.

Environmental Choice New Zealand and Ecospecifier Green Tag both enable consumers to identify and use products which have a reduced environmental impact during their entire life cycle. These are independent, third party certifications receiving 'Level A' recognition from the New Zealand Green Building Council.

With many colours and finishes to choose from Melteca® quality laminated panels are available on low formaldehyde emitting composite timber substrates such as Lakepine® MDF and Superfine® Particleboard, suitable for kitchens and bathrooms. In addition to Melteca, Formica® and

Laminex® laminate can be applied to these low formaldehyde substrates by your local fabricator.

A cost-effective and durable solution for residential and commercial settings is Strandboard and Strandfloor. Strandboard is a reconstituted wood panel manufactured entirely from renewable plantation pine timber, ideal where a durable wall panel or flooring overlay is required. Strandfloor is a BRANZ appraised structural flooring material which is also available in H3.1. Both are manufactured using pMDi resin which results in exceptionally low formaldehyde emissions (E0).

GREENGUARD Certification helps manufacturers create and buyers identify interior products and materials that have low chemical emissions; these are the preferred products for not only those creating Green Star and Homestar projects - but for our families as well.

Caesarstone® engineered stone surfaces are a smart and more modern alternative to products such as marble and granite. Caesarstone is Living

Building Challenge suitable with an LBC Declare label.

Laminex Solid Surface is a 100% acrylic surface that can be thermoformed to realise inventive designs. It is hygienic and meets the stringent American GREENGUARD standards ensuring safe and clean indoor air quality.

Laminex® Compact laminates are durable, immensely practical and perfect for applications such as partitioning, wall lining and horizontal wear surfaces. A low Volatile Organic Compound (VOC) decorative panel designed for interior use across an incredibly broad range of applications.

Seratone® panels are pre-finished wall panels manufactured on a lightweight, high density fibreboard with a smooth, glass like finish. The panels are produced using UV coating technology with an antimicrobial silver additive which protects against microbial activity. This coating contains no VOC.

Manufacturing EXCELLENCE

One of Laminex New Zealand's core objectives is to improve the environmental sustainability of our manufacturing operations, metropolitan and regional distribution locations and corporate offices. We are dedicated to reducing waste to landfill and involving our employees in sustainability as a core organisational goal.

Making sure we source our materials sustainably is a crucial first-step in the manufacturing process and we are committed to advancing on the path to sustainability through the management of raw materials, waste and energy. Each of our facilities has a detailed annual sustainability plan in place to drive continuous improvement in reducing our environmental impact.

Through our GREENfirst programme we employ a range of strategies to support our sustainability goals, including the use of sustainable and recycled materials as raw material or fuels, the use of renewable energy – particularly biomass fuels – and the introduction of new technologies to improve energy efficiency.

Innovative methods are used to manage waste from manufacturing processes including industrial vermiculture (worm-farming) for organic waste and irrigation for a local iwi dairy farm with waste water. We also use wood sander dust and other unusable wood waste as a source of bioenergy thereby diverting material from landfill, reducing vehicle movements, and reducing our demand for fossil fuel generated electricity.

RESPONSIBLE FOREST MANAGEMENT

As a large manufacturer of wood products we respect and support responsible forest management and are committed to producing quality products that are backed by the very best certifications.

Laminex New Zealand has achieved Forest Stewardship Council® (FSC®) Chain of Custody (CoC) certification for all our local manufacturing plants, along with the entire supply chain. This means that all certified wood products from these certified plants, as well as some other certified CoC manufacturers, can be traced, from processing to distribution, and are produced using ethically sourced wood fibres.



ECO-CERTIFICATION MATRIX

	Application	FSC®/ Recycled content	NZGBC recognised eco-label	ISO14001	Low emission product	Living Building Challenge	Contributes to Green Star credit:	Contributes to Homestar credit:
High pressure laminate								
Formica® laminate standard colour range	With a range of solid colours, patterns and woodgrain designs, Formica high pressure laminates are ideal for vertical and horizontal applications such as work surfaces, benchtops, doors and wall panels and can be coordinated with the Melteca low pressure laminate range.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
	Velour finish - selected decors available with antimicrobial properties.	-	-	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
	Other finishes - Etchings, Honed, Riverwash, Naturelle, AR Plus (GlossPlus).	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Formica® ColorCore™ laminate	Features the high performance characteristics of laminate, while eliminating the dark line sometimes associated with laminate edges. With increased levels of wearability ColorCore is ideal for applications such as benchtops, countertops, point of sale units and work surfaces.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Formica® 180 FX® laminate	This laminate replicates the beauty and magnitude of natural stone benchtops by using innovative printing technology. An unmatched realism with striking colour variations and intricate veining delivers exotic stone looks while offering all the benefits of laminate.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Formica® AR+ Solid Colour laminate	A durable high-gloss laminate with twice the surface resistance of traditional gloss laminate. Suitable for use as a benchtop/worktop and vertical surfaces such as wall panels, doors and cabinetry surfaces. Can also be used as a whiteboard provided the information in the care and maintenance guide is followed.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Formica® Metallic laminate	Combines the texture, colour and character of real metals with the practical, hardwearing yet lightweight and flexible properties of a high pressure laminate.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Formica® Magnetic laminate	Laminates have an embedded metal foil layer that ensures magnetic objects will hold strongly. Glossy White is an ideal whiteboard surface, while Matt Black is perfect as a chalkboard. Suitable for vertical applications.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Laminex® laminate standard colour range	Laminex laminate is a hardwearing, stain and heat resistant product available in a wide range of colours and decors. Some decors available are designed to integrate with the existing Melteca low pressure laminate range.	-	EcoSpecifier- GreenTag Silver Plus	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
	DiamondGloss® - this collection of high gloss laminate offers surfaces with brilliant lustre combined with exceptional scuff resistance making it ideal for commercial applications and residential benchtops.	-	GREENGUARD Gold	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
	Natural, Spark and Puregrain finishes - selected decors available with antimicrobial properties.	-	-	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Laminex® Innovations®	A decorative laminate for vertical surfaces such as splashbacks, counter fronts and wall panelling.	-	-	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Laminex® Chemical Resistant laminate	Surface features chemical resistance to acids, alkalis, corrosive salt, and other destructive or staining substances. Can be used for interior horizontal and vertical applications.	-	-	Y	Y	-	MAT-4; MAT-6	MAT-1; MAT-2
Laminex® Compact laminate	Extremely durable decorative laminate panel that is strong, self-supporting, antimicrobial and moisture resistant. Ideal for applications where high impact resistance is important such as shower and toilet cubicles, interior wall linings, benchtops, lockers, office furniture and cabinets.	-	GREENGUARD Gold	-	Y	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Laminex® Laboratory Grade Compact laminate	A high pressure decorative compact laminate manufactured especially for demanding chemical laboratory environments.	-	GREENGUARD Gold	-	Y	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2

	Application	FSC®/ Recycled content	NZGBC recognised eco-label	ISO14001	Low emission product	Living Building Challenge	Contributes to Green Star credit:	Contributes to Homestar credit:
Decorative panels								
Melteca® decorated panels	Decorative low pressure laminate panels. The high durability and easy clean nature of the surface makes Melteca ideal for kitchen cabinetry, cupboards, drawers, shelving and furniture.	FSC®	Environmental Choice NZ	Y	E1	-	MAT-4;MAT-6	MAT-1; MAT-2
Melteca® Fire Retardant for wall linings	Melteca Fire Retardant panels are suitable for all wall linings where maximum fire resistance is important.	FSC®	Environmental Choice NZ	Y	E1	-	MAT-4;MAT-6	MAT-1; MAT-2
Melteca® Purecoat®	Coated low pressure panels deliver a striking yet contemporary finish. The technology used to coat the panels provides outstanding durability making this range ideal for vertical applications such as cabinetry and feature walls.	-	-	-	E0	-	MAT-4; MAT-6	MAT-2
Trade Essentials® Whiteboard	Trade Essentials Whiteboard is a cost effective low pressure laminate available for making cabinets, wardrobes, drawers and shelving, amongst other applications, with a clean white hardwearing surface.	FSC®	Environmental Choice NZ	Y	E1	-	MAT-4;MAT-6	MAT-1; MAT-2
Laminex® Timber Veneer	Laminex Timber Veneer panels are the stylish alternative to solid wood. A range of specialist timber veneer panel options are available for furniture, cabinetry and wall linings.	-	-	-	E0-E1	To be assessed	MAT-4; MAT-6	MAT-2
Pre-finished wall linings								
Melteca® Clipwall®	Low pressure laminate panels suitable for larger walls and feature walls in dry areas, this range offers a fast, durable and flush finish solution that is up to five times faster to install than traditional paint and plaster wall systems. Melteca Clipwall is also available upon request with a fire performance of 2S.	-	-	Y	E1	-	MAT-4	MAT-2
Laminex® Aquapanel®	High pressure decorative laminate designed for a wide variety of vertical wall applications. The strong and durable 2.7mm thick panels feature a black core that can be left exposed. Suitable for interior wet and dry applications like bathroom and shower recess panelling, kitchen splashbacks and laundry walls. A selection of colour matched aluminium jointers are available.	-	-	-	Y	-	MAT-4; MAT-6	MAT-2
Seratone®	Pre-finished wall panels manufactured on a lightweight, high density fibreboard with a smooth, glass like finish. The panels are produced using UV coating technology with an antimicrobial silver additive which protects against microbial activity. Suitable for interior wet and dry areas with a selection of colour matched aluminium jointers available.	-	-	-	Y	To be assessed	MAT-4	MAT-2
Seratone® Space	A commercial grade pegboard available in any colour from the Seratone range, suitable for dry areas only. UV cured paint finish resulting in low emission product.	-	-	-	Y	To be assessed	MAT-4	MAT-2
Laminex® Structural Board	Laminex Structural Board is a hardwearing panel comprising of decorative melamine saturated paper bonded to moisture resistant MDF. Special technology gives Laminex Structural Board improved wear, abrasion and impact resistance properties when compared to LPM products.	-	EcoSpecifier- GreenTag Gold Plus	Y	E0	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Engineered stone								
Caesarstone®	Caesarstone surfaces retain the cool, tactile qualities of natural stone yet are resistant to stains and scratches and easy to clean. The non-porous nature of Caesarstone means that it is mould and mildew resistant and is ideal for food preparation areas.	-	GREENGUARD Gold	Y	Y	Declare - LBC	MAT-4	MAT-1; MAT-2
Caesarstone® Concetto	Hand made from individually cut and bound semi-precious stones, Concetto adds luxury to any space. Concetto surfaces are heat and scratch resistant, easy to clean and never require sealing.	-	GREENGUARD Gold	Y	Y	-	MAT-4	MAT-1; MAT-2
Solid surface								
Laminex® Solid Surface	100% acrylic surface that can be thermoformed to create designs with seamless joins. Non-porous product with superior stain and bacteria resistance, easy to clean and hygienic. Suitable for horizontal and vertical applications including benchtops, countertops, reception desks, commercial bars, splashbacks and feature panels.	-	GREENGUARD Gold	Y	Y	Declare - Red List Free	MAT-4	MAT-1; MAT-2

	Application	FSC®/ Recycled content	NZGBC Recognised eco-label	ISO14001	Low emission product	Living Building Challenge	Contributes to Green Star credit:	Contributes to Homestar credit:
Ceramic								
Laminam®	Large format, thin ceramic panel with exceptional technical performance suited for commercial interiors. Can be used horizontally for flooring and vertically on walls, including wet areas such as bathrooms and showers.	20% to 40%, not available all colours	-	-	Y	3mm and 5mm only	MAT-4	MAT-1; MAT-2
Reconstituted timber panels								
Superfine® / Superfine® Particleboard MR	Medium density, grain-less, resin-bonded particleboard panels with a fine, uniform surface. For use as a substrate for high and low pressure laminate, panel housing systems, or joinery applications.	FSC®	Environmental Choice NZ	Y	E1	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Lakepine® MDF	Medium density fibreboard (MDF) is a versatile wood panel product developed for the furniture and joinery industries. Used as a substrate for high and low pressure laminates for a smooth and consistent finish.	FSC®	Environmental Choice NZ	Y	E1	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Lakepine® MDF MRZero	Moisture resistant and low formaldehyde emitting (E0) MDF panel specifically developed to provide extra durability for furniture and joinery applications in interior areas subject to high humidity, such as bathroom and laundry cabinetry.	FSC®	Environmental Choice NZ	Y	E0	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Strandboard®	Strong high density panels, made from glued and pressed radiata pine wood strands. Strandboard is an ideal cost-effective and durable overlay flooring solution for residential and commercial settings. It can also be used for wall panels, ceiling and stairs.	FSC®	-	Y	E0	DECLARE - Red List Free	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Strandfloor®	Strandfloor is a high density reconstituted radiata pine wood panel bonded with durable formaldehyde free resin and wax, specifically formulated for use as residential and commercial interior floor platforms available with a square edge or tongue and groove profile with a polypropylene tongue.	FSC®	-	Y	E0	DECLARE - Red List Free	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Strandfloor® H3.1	The same properties as Strandfloor with the addition of H3.1 treatment to the New Zealand Building Code treatment standards. Improved resin composition provides increased weathering performance for use in wet areas.	FSC®	-	Y	E0	DECLARE - Red List Free	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Strandsarking®	A high density reconstituted wood panel bonded with moisture resistant resin and wax, specifically formulated for use as a roof sarking material under shingles and other similar types of roofing products.	FSC®	-	Y	E0	-	MAT-4; MAT-6	MAT-1; MAT-2
Triboard®	Triboard is an E0 rated, engineered wood product made in NZ from 100% sustainable radiata pine. Creating clean lines with superior strength yet 30% lighter than comparable wood products, Triboard is suitable for a range of applications such as internal linings, packaging and shelving.	FSC®	-	Y	E0	-	MAT-3; MAT-4; MAT-6*	MAT-1; MAT-2
Trade Essentials® Plywood	Available in several timber species, this versatile range of interior decorative plywood is ideal for a host of applications including cabinetry, furniture, walls and joinery.	-	-	-	Y	To be assessed	MAT-4; MAT-6	MAT-2
Trade Essentials® Litecraft	Litecraft is a super low density fibre board. Its unique structure offers a light-weight solution when compared to other panel products and is more economical because as a self-supporting substrate it negates the need for any additional fabrication materials.	FSC®	-	-	Y	To be assessed	MAT-4; MAT-6	MAT-1; MAT-2
Trade Essentials® Hardboard	Thin, lightweight Hardboard is renowned for its strength and durability, and is a versatile material that can be used to create stylish interiors - from feature walls and ceilings to fine furniture. Tempered hardboard is specifically designed to give added moisture resistance.	FSC®	-	-	Y	To be assessed	MAT-4; MAT-6	MAT-1; MAT-2
Trade Essentials® Pegboard	Made from Trade Essentials Hardboard, Pegboard presents as a perforated panel suitable for shop fittings and workshop applications where the facility for attaching a variety of hooks and brackets may be used. Pegboard can also be used for ventilation panels, soffit linings and acoustic purposes.	-	-	-	Y	To be assessed	MAT-4; MAT-6	MAT-2

*Either MAT-3 OR MAT-6 may be claimed - not both for timber products.

Note: Points may be available in some but not all Green Star tools (i.e. Office; Interiors; Education; Industrial).

Laminex New Zealand

CASE STUDIES

Showing that Laminex New Zealand enjoys doing well
- by doing good!



WORMS

The Superfine Particleboard manufacturing plant based in Taupo has a novel way of dealing with industrial amounts of organic waste - an industrial sized worm farm. What would have previously ended up in landfill now provides lunch for over a million tiger worms. Managed by a team of passionate specialists and meeting its regional resource consent, the worm farm has been producing as much as 400,000 kilograms of high quality vermicast annually. Vermicast (worm manure) is an excellent, nutrient rich organic fertiliser and soil conditioner. This is a restorative take on waste management; not only is the waste diverted from the landfill but the end result nourishes our environment.

PACKAGING

While Laminex New Zealand has several sustainability successes to its name, one that has come direct from the shop floor is the 'Reclaim, Reuse and Recycle' initiative adopted by the sales, distribution and supply chain teams. Born from the desire to aid our customers in reducing waste to landfill, the distribution centres and branches began a take-back scheme on the bearers, coversheets and pallets used to package and transport orders of decorative surfaces and panel products. Each year, this scheme removes over 180 tonnes of waste from landfill as well as reducing the raw materials which would have been required to replace these items.

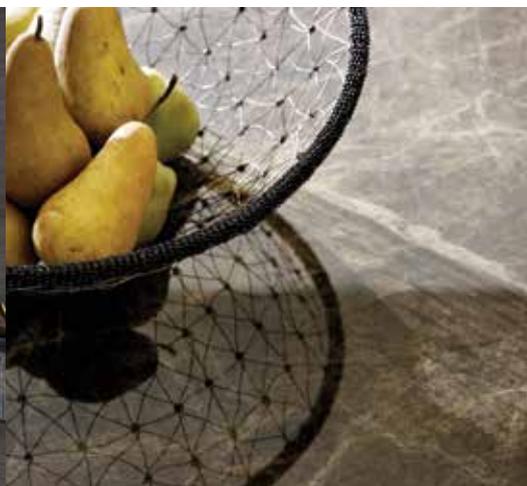
DUST

Laminex New Zealand has taken a loss and made it into a profit by turning wood waste at the Taupo site into energy bricks - an innovation that has been given the thumbs up by industry experts for saving the planet thousands of tonnes of landfill waste and greenhouse gas emissions every year. The 'briquette machine' compresses sander dust (from making particleboard) into a renewable energy source, briquettes, and removes about 1,000 tonnes a year (72 wheelie bins a day) from landfill. Now, more than \$200,000 is saved each year as a result of the briquette machine; the only non-renewable energy used on site is the limited amount of fuel used to run the company's fleet.

Contributing to the Fletcher Building goal of reducing CO² emissions from operations by 10% between 2012 and 2020.



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For samples or brochures call 0800 303 606. For more information visit www.laminexnewzealand.co.nz
Please see individual product brochures for important information specific to each product.

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