

millboard

Live. Life. Outside.



The Millboard
Collection

forté
— Nature Refined



The finest outdoors

millboard

Contents

About Millboard	A closer look	8
	Why choose Millboard decking?	11
Enhanced Grain	The Collection	12
Weathered Oak	The Collection	26
Edging & Fascia	The Collection	34
	Colour options	37
Components & Materials	The Collection	38
	Touch-up Coating	40
	Durafix®	42
Useful Information	Working specification	43
	A focus on sustainability	46
	Maintenance	50
	Alternative Uses	51



A high-angle photograph of a wooden deck. In the upper half, a wicker chair with a black woven seat and wooden legs is partially visible. In the lower right, a silver moka pot sits on a small wooden tray, accompanied by a black coffee cup, a white creamer, and a small round cake. The deck planks are light-colored wood with a prominent grain. The text "Your dream deck awaits" is overlaid in white, sans-serif font across the middle of the image.

Your dream deck awaits

About Millboard decking



A closer look

Millboard decking uses a unique material, unrivalled across the globe. Take a closer look at the construction and performance of this stunning yet functional decking.

Tough

The unique Lastane® layer resists scratches and stains and is designed to withstand demanding outdoor environments.

Enduring

The dual-tone Lastane® surface is hand tinted using pigments designed to resist fading and sun damage.

Safer

Millboard decking is wood-free and non-porous which, in comparison to timber, means good resistance to algae growth and excellent slip resistant properties.

Beautiful

Each length is hand moulded from specially selected timber for an unrivalled organic wood-grain appearance.

Millboard decking combines the natural beauty of real wood with the high performance of a hybrid of polyurethane, a material widely recognised for its unique properties. Polyurethane is used in many industries where durability and strength is required, eliminating the inevitable rotting, warping and deterioration of natural wood.

Millboard decking has a unique Lastane® surface which is produced using the same pliable material as the soles of shoes, boasting slip-resistance even in wet conditions. Beneath the Lastane® surface is a polymer resin core, reinforced with fibre for extra strength and material stability, making Millboard one of the most dependable decking materials available.

Durable

Millboard decking is solid, not hollow. This makes it strong and means it won't warp, rot or harbour insects and pests like timber would.

Stronger

The structural core is a blend of natural minerals bonded in a polymer resin with fibre reinforcement for added strength and durability.

Lighter

Our unique closed 'cellular' internal structure reduces weight while maintaining strength.



Crafted to perfection

Each length of Millboard is the result of a long process of craftsmanship and attention to detail.

From the initial laying of the unique Lastane® surface, right through to the pouring of fibre-reinforced resin-mineral filler, we focus on achieving the finest quality of finish. Our respect for accuracy permeates every square millimetre and this is why many of our processes are carried out manually. For example, each piece is hand-coloured to establish an authentic wood finish.

We have great respect for the skilled eye of an artist and are therefore committed to the hand-colouring system. The resulting true-to-life shades speak for themselves.

Every step of your decking's journey is characterised by Millboard's artisan methods.

Why choose Millboard decking?



Resistant to algae

Unlike wood, there is no protein content to assist algal growth within the boards.



Low maintenance

Resists stains from food or drinks spills and algae growth.



Environmentally friendly

Base materials have low impact on global warming and ozone depletion.



'Lost head' fixing

Durafix® fixings are virtually hidden beneath the unique Lastane® surface.



Hygienic

It's non porous surface is easy to clean for spills and deposits.



Moulded from real oak

Not extruded like most composites. Millboard decking looks just like the real thing.



UV and weathering stability

Millboard decking has been tested in most weathers and temperatures.



Splinter-free

No wood content means absolutely no splinters.



Slip-resistant

High grip surface much safer than wood, especially in the wet.



Does not warp or rot like wood

No timber content that will rot or be eaten by insects and pests.



Lightweight

Easier to handle and install.



Low carbon footprint

Independently and UKAS accredited to the ISO 14064-1 Verified Carbon Footprint Assurance Mark.

The Collection:

Enhanced Grain

Exquisitely replicating every detail you'd expect from real wood

Smooth, sleek texture

Moulded from selected oak boards for a textured look and feel, the Enhanced Grain collection's contemporary design accurately recreates the subtle nuances of natural wood. Each of the shades are slip-resistant and showcase their organic patinas beautifully.

176 x 3600 x 32mm
1.54 boards per m²



Enhanced Grain Antique Oak

Antique Oak's natural, warm hues are similar to the tones of tropical hardwood and the appearance is reminiscent of attractively aged flooring.

Antique Oak boasts more tonal variation per individual board than any of the other colours in the Millboard range, providing a beautiful and organic look.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176A



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51



Discover more about Antique Oak:
forteflooring.co.nz/product/catalogue/decking/millboard-antique-oak



Enhanced Grain Smoked Oak

A cool, elegant grey, ideal for contemporary and coastal settings. Smoked Oak has a soft-grey hue and browner tones that nod to time-seasoned hardwoods – yours to enjoy without the wait.

Its silvery decadence is at once contemporary and traditional. Smoked Oak tastefully distinguishes any outdoor space.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176D



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51

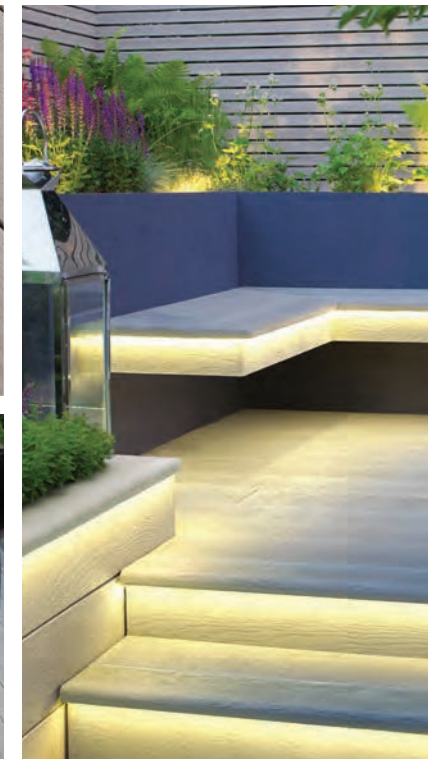


Discover more about Smoked Oak:
forteflooring.co.nz/product/catalogue/decking/millboard-smoked-oak



"This is a fantastic product and I have heartily recommended it to the many admirers who have enquired about it."

Ava Homeowner



Enhanced Grain Brushed Basalt

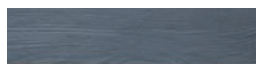
Brushed Basalt is the most authentic painted-wood-look decking board available. This recent addition to the Millboard collection is perfect for seamless transitions between indoor and outdoor spaces.

Consciously styled to harmonise with interiors, Brushed Basalt's glamorous blue-grey hues are hypnotic and interplay beautifully with other cool and contemporary tones.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176B



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51

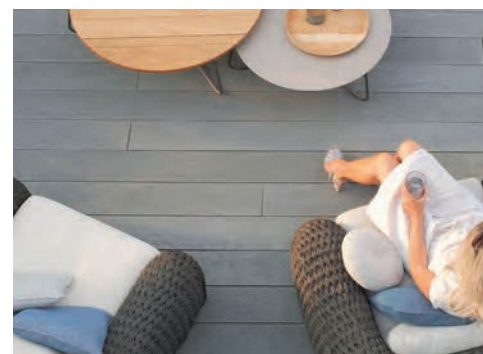


Discover more about Brushed Basalt :
forteflooring.co.nz/product/catalogue/decking/millboard-brushed-basalt



"We opted for Brushed Basalt as it has such a contemporary feel, fostering harmony between our house and the garden. The grain looked so realistic, we couldn't believe it was a replica of timber!"

Mr and Mrs Hylton Homeowners



Enhanced Grain Limed Oak

The look of beautifully sun-drenched timber, Limed Oak has a pale, washed appearance which is the perfect complement to outdoor spaces in sunnier climates.

Limed Oak provides a clean and dreamy aesthetic. Its cool and sophisticated presence allows you to create a refined terrace arrangement, whatever the brief.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176L



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51

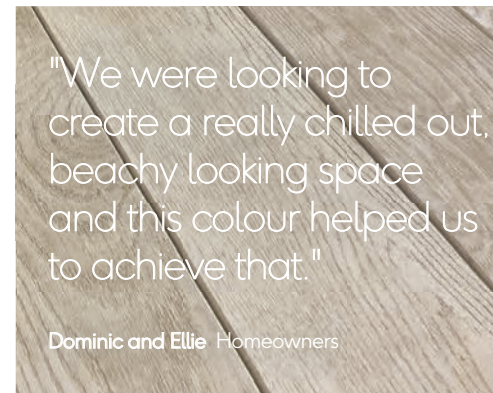


Discover more about Limed Oak:
forteflooring.co.nz/product/catalogue/decking/millboard-limed-oak



"We were looking to create a really chilled out, beachy looking space and this colour helped us to achieve that."

Dominic and Ellie Homeowners



Enhanced Grain Burnt Cedar

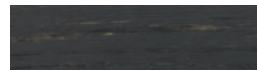
A dramatic statement in smooth black/brown, inspired by the Japanese Yakisugi technique of burning timber to preserve it, Burnt Cedar is the perfect mix of modern and traditional styles.

With warm undertones, Burnt Cedar is a bold showstopper and demonstrates both elegance and decadence in equal measure.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176R



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51

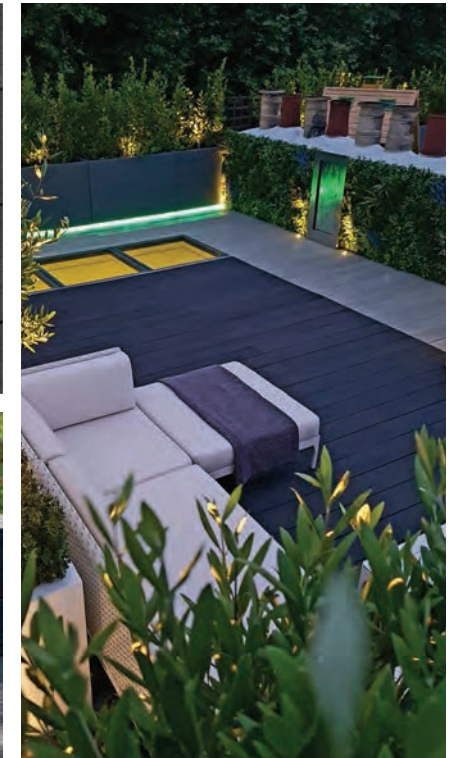


Discover more about Burnt Cedar:
forteflooring.co.nz/product/catalogue/decking/millboard-burnt-cedar



"These boards gave us exactly what we wanted, and they are practically maintenance-free too."

Charlotte Homeowner



Enhanced Grain Golden Oak

An enduring, versatile classic, Golden Oak offers the appealing look of newly sawn, natural oak timber, with a light golden hue that retains its stylish appearance over time.

Golden Oak's warm tones serve as the perfect backdrop to many different tastes and preferences. Add distinction with this handsome and pleasingly traditional board.

Board size	176 x 3600 x 32mm
Coverage	1.54 boards per m ²
Product code	MDE176G



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51



Discover more about Golden Oak:
forteflooring.co.nz/product/catalogue/decking/millboard-golden-oak





The Collection:

Weathered Oak

Create an atmosphere with our timeless, elegant boards

Time honoured style

Beautifully aged in appearance, our Weathered Oak collection is moulded from over a century old oak boards and is hand-coloured with authentic tones. Providing a timeless look, Weathered Oak retains its natural beauty and offers a surface with minimal maintenance and very high slip-resistance even in wet conditions.

200 x 3600 x 32mm
1.36 boards per m²



Weathered Oak

Vintage Oak

Achieve the classic beauty of a natural, weathered oak finish. Vintage is styled with darker tones that work perfectly in country retreats, coastal getaways and chic city courtyards.

Tastefully aged and utterly timeless, our Vintage colour option adds a stately and refined look to any space.

Board size	200 x 3600 x 32mm
Coverage	1.36 boards per m ²
Product code	MDW200V



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51



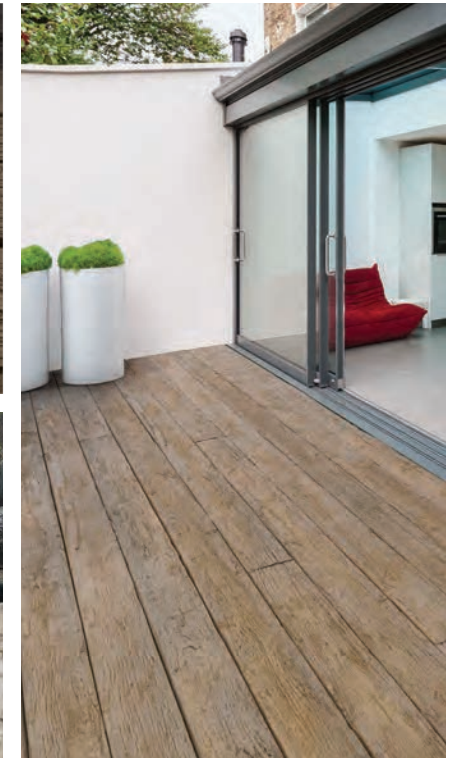
Discover more about Vintage Oak:

forteflooring.co.nz/product/catalogue/decking/millboard-vintage-oak



"The Vintage colour enabled us to cultivate the traditional country garden look that we wanted."

Theo Homeowner



Weathered Oak Driftwood

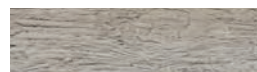
Our Driftwood boards have the incomparable look of sea-washed timber. Driftwood's subtle hue and characterful texture create an easy, relaxed style, ideal for laid-back coastal living.

Reminiscent of tidal landscapes, Driftwood creates a bohemian, escapist getaway and works perfectly alongside swimming pools and outdoor features.

Board size	200 x 3600 x 32mm
Coverage	1.36 boards per m ²
Product code	MDW200D



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51



Discover more about Driftwood:
forteflooring.co.nz/product/catalogue/decking/millboard-driftwood-oak



Weathered Oak Embered

Richly textured and dramatically chic, Embered provides a sensational stage or backdrop to a glamorous outdoor space.

By combining the look of Eastern heritage techniques with contemporary engineering, Millboard's Embered boards achieve the sought-after style whilst also maintaining stain and fade resistance.

Board size	200 x 3600 x 32mm
Coverage	1.36 boards per m ²
Product code	MDW200E



Edging & Fascia
See page 34



Touch-up Coating
See page 40



Alternative uses
See page 51

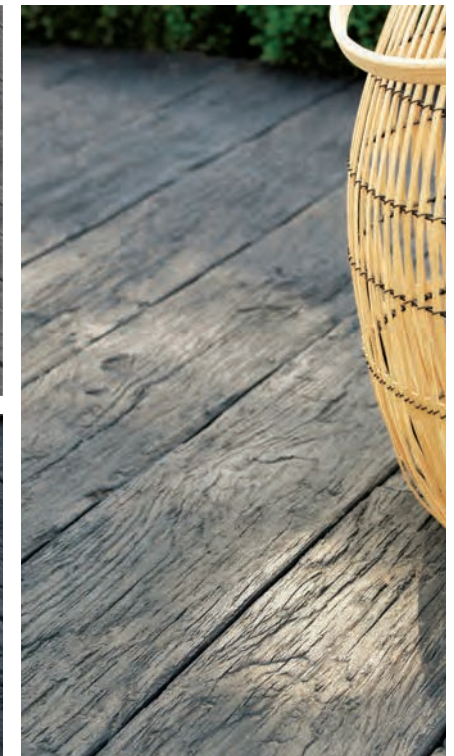


Discover more about Embered:
forteflooring.co.nz/product/catalogue/decking/millboard-embered-oak



"The decking boards have arrived, and they are absolutely gorgeous. Even better than imagined. We will certainly be showing these off."

Mr & Mrs Robinson Homeowners



The Collection:

Edging & Fascia

The perfect finishing touch

Completing the look

Millboard edging continues the beautiful wood grain right round the edge profile to maintain the authentic wood look.

Designed to resist high wear points, our edging profiles and fascia boards come in all of the Millboard colours to match the rest of your deck. And the specialist flexible edging fits easily around curved edges for a truly distinctive outdoor space.



Edging & Fascia

Open up a whole range of possibilities – from under-lip lighting to coping for planters and seating – with Millboard's Edging and Fascia.

Our finishing touches add exceptional stability and aid ease of installation on steps and other exposed edges. Achieve a refined look that adds distinction to any setting.

Square Edging

Construction: Polymer resin core/Lastane® surface
Size: 50 x 3200 x 33mm

Fascia

Construction: Polymer resin core/Lastane® surface
Size: 146 x 3200 x 16mm

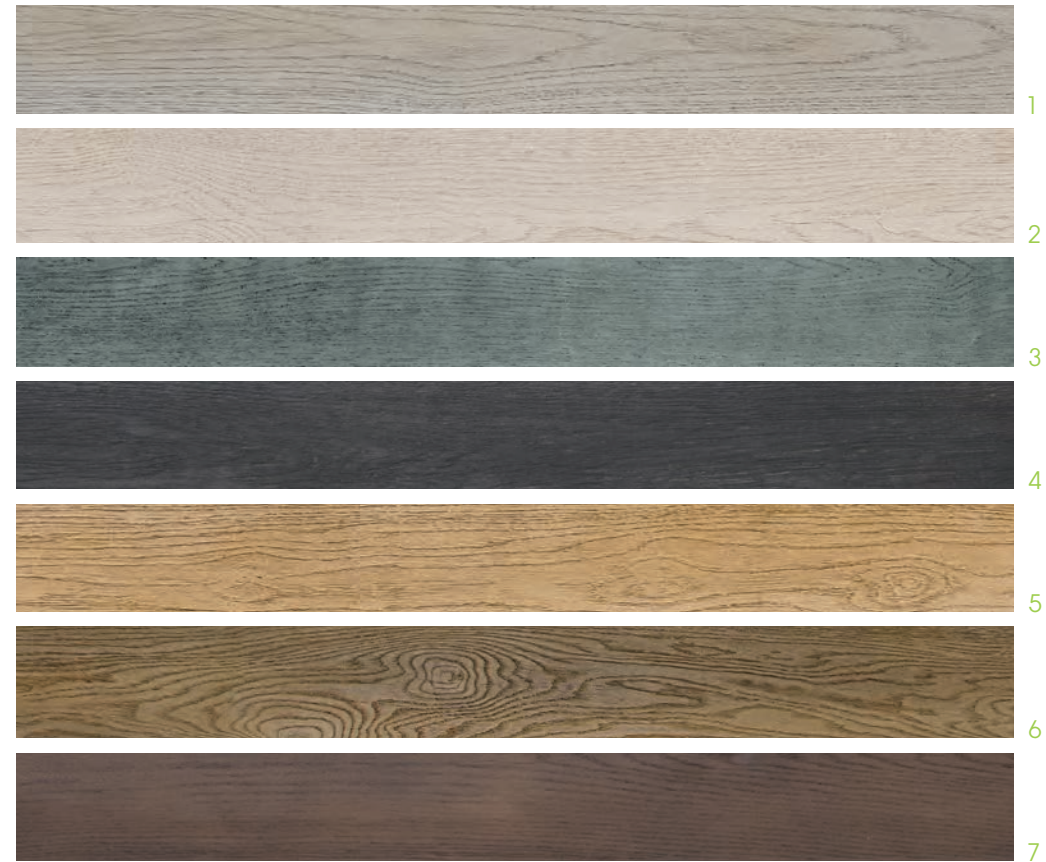
Bullnose Board

Construction: Polymer resin core/Lastane® surface
Size: 150 x 3200 x 32mm

← Smoked Oak with Bullnose Board

↓ Brushed Basalt with Fascia

↓ Golden Oak with Fascia



Edging & Fascia: Colour options

1 Smoked Oak/Driftwood

Square Edging: MEUN32D
Fascia: MFN320D
Bullnose Board: MEBB150D

2 Limed Oak

Square Edging: MEUN32L
Fascia: MFN320L
Bullnose Board: MEBB150L

3 Brushed Basalt

Fascia: MFN320B
Bullnose Board: MEBB150B

4 Burnt Cedar/Embered

Square Edging: MEUN32E
Fascia: MFN320E
Bullnose Board: MEBB150E

5 Golden Oak

Square Edging: MEUN32G
Fascia: MFN320G
Bullnose Board: MEBB150G

6 Vintage Oak

Square Edging: MEUN32V
Fascia: MFN320V
Bullnose Board: MEBB150V

7 Antique Oak

Square Edging: MEUN32A
Fascia: MFN320A
Bullnose Board: MEBB150A



The Collection:

Components & Materials

Everything you need for installation success

The right foundations

Millboard decking is best supported by our specially designed materials.

Touch-up Coating

Put the finishing touches on exposed cut ends with Touch-up Coating. Supplied in 500ml tins. Touch-up coating is available in nine colours to match your choice of Millboard decking.



Antique Oak
500ml AP500A



Brushed Basalt
500ml AP500B



Smoked Oak/Driftwood
500ml AP500D



Golden Oak
500ml AP500G



Burnt Cedar/Embered
500ml AP500R



Limed Oak
500ml AP500L



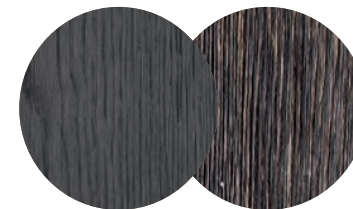
Vintage Oak
500ml AP500V



A note on colour variance

We go to extraordinary lengths to recreate the look of natural products and therefore intentionally add secondary toning colours. This painstaking process means that there may be variance within the same board or between boards.

Whilst every care is taken to ensure consistency, batch-to-batch colour variation is possible. We strongly recommend that you order all you need in one delivery to avoid too much variance. If you do have two batches, it is best to mix them, to blend the colours more seamlessly. It is best to lay the boards out before commencing installation.



⬆ Colour tone may vary from batch to batch.
Antique Oak has more variance between boards.

Swatches are representative only

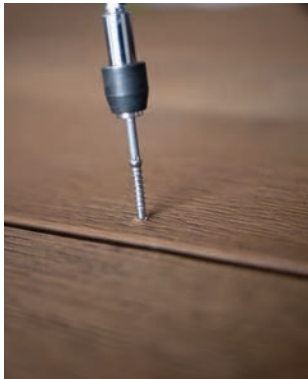
Durafix® fixings

Our decking system is complemented by our unique Durafix screws. These hidden fixings make installing Millboard straightforward.

With Durafix®, there's no need to pre-drill, countersink or use clip fixings. Simply screw them straight in to just below the surface. Millboard decking's innovative Lastane coating flexes back over the screw-heads, leaving a minimal witness mark.

Made from A2 stainless steel, the screws have a self-cutting tip, six-point torx head, and are waxed for ease of use. Each box of Durafix® fixings also includes a T15 hex-shank drill bit. You will need around 22 fixings for each length of Millboard decking for residential applications and 26 fixings for commercial applications.

Fixings	Quantity	Suitable for	Product code
4.5 x 50mm	Box of 250	Durafix Screw 50mm	FT50P250
4.5 x 60mm	Box of 250	Durafix Screw 60mm	FT60P250



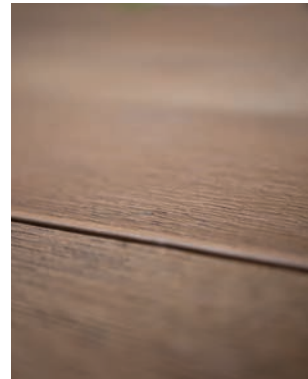
Step 1

No countersinking or pre-drilling required, drive the Durafix® straight in



Step 2

Sink so that the Durafix® head lies approximately 5mm below the surface



Step 3

The Lastane® surface is pliable, leaving a minimal witness mark

Working Specification

Decking Boards

For all applications we recommend that our boards are installed with a 4mm gap between the boards and the end joints butted tight without leaving a gap. The maximum unsupported overhang for the boards is 50mm and each cut board must be supported by a minimum of three joists. Where a board crosses a joist, two Durafix® fixings will be needed. At the end of the boards, we'd recommend three Durafix® fixings.

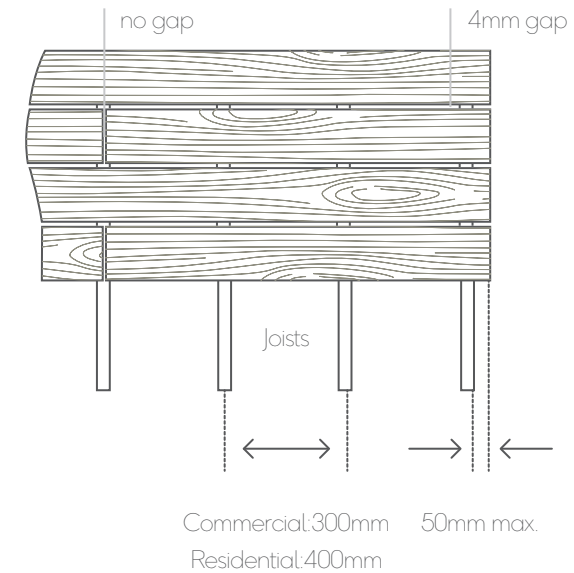
Commercial applications

Joists must support boards at 300mm centres if boards are at 90° to joists. If boards are at 45° then joists need to be set at 240mm centres.

Residential applications

Joists must support boards at 400mm centres if boards are at 90° to joists. If boards are at 45° then joists need to be set at 300mm centres.

Board and Joist Spacing



Working Specification

Edging & Fascia

Millboard edging trims must be supported along their length by a support around the perimeter. Millboard edging trims/fascias must be fixed at 300mm centres along their length, using the Durafix fixings.

Colour options

Edge trims can be used to match the decking boards, as a design contrast or to assist partially sighted persons, which is a requirement for some public applications.

Type	Dimensions	Bend radius
Square Edging	50 x 32 x 3200mm	3m
Fascia Board	146 x 16 x 3200mm	1.2m
Bullnose Board	150 x 32 x 3200mm	Does not bend

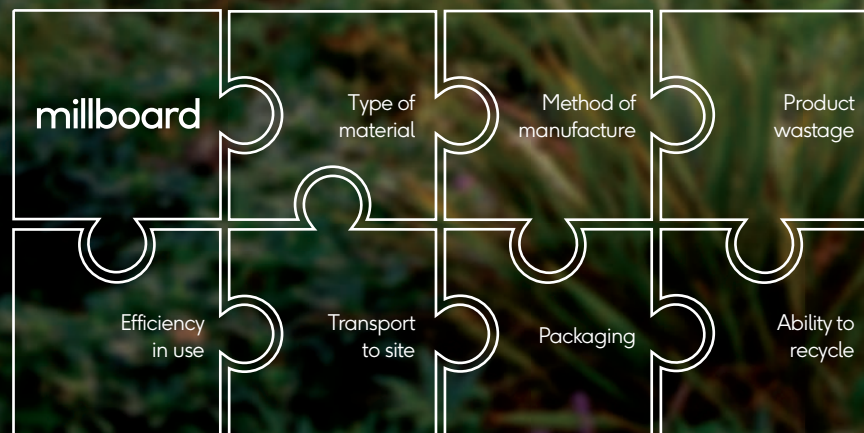


A focus on sustainability

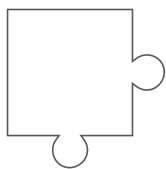
Sustainability is a crucial element of the company's ethos, and we are committed to producing decking that enhances the outdoors without damaging the planet.

Millboard decking and the processes used to create it have been rigorously tested to ensure there is a minimal impact on the environment. We are proud to be the first premium outdoor flooring company in the world to have its carbon footprint independently verified and UKAS accredited, to the international standard ISO 14064-1 Verified Carbon Footprint Assurance Mark – 1.31kg/CO₂ per m².

Millboard decking puts no pressure on the world's hardwood forests, and its durability also leads to fewer demands on global resources. Our boards require minimal maintenance, and there's no need to use potentially harmful cleaners or preservatives.



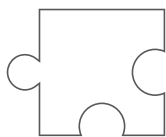
The Millboard Sustainability Jigsaw Model



TYPE OF MATERIAL

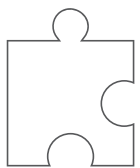
While most composite decking boards are thermoplastic (melted plastic mixed with wood), the structural core of Millboard is a blend of natural minerals bonded in a polymer resin – such composite materials are designed to provide mechanical strength, chemical resistance and durability.

Polyurethane is inert, safe and extremely versatile, and its production process uses less than 0.1% of oil consumed worldwide, saving 14.5 million tonnes of CO₂ in Europe each year – that's equivalent to one year's worth of electricity use in two million homes.



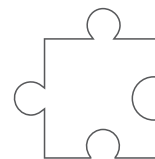
METHOD OF MANUFACTURE

Processing Polyurethane is more energy efficient than processing thermoplastics. The production process of Millboard decking also replaces problematic HFCs with water as a blowing agent, reducing the Global Warming Potential and eliminating Ozone Depletion Potential.



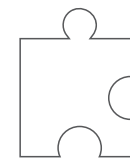
TRANSPORT TO SITE

Millboard decking is a lightweight product, making it cost effective to transport; being almost half the weight per cubic metre of some conventional composite decking materials means more boards can be transported on fewer trips, so reducing CO₂ emissions from road traffic.



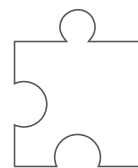
PACKAGING

The packaging we use to cover the pallets for transport safety is fully recyclable, as it's lighter than other packaging; this adds to transport economy. Due to the stability and non-porous character of Millboard decking this enables it to be stored outdoors with zero covering, further reducing the requirement for plastic-based packaging materials.



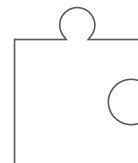
EFFICIENCY IN USE

As a building material, Polyurethane has a lifespan of 50 years or more, which means demand on global resources decreases. Our boards require minimal maintenance, therefore reducing the need to use potentially harmful cleaners or preservatives.



PRODUCT WASTAGE

The Millboard manufacturing process creates minimal wastage because boards are moulded to specific sizes and any wastage can be recycled. During installation, 100% of the board can be utilised – that's a much greater percentage than using timber, which can generate up to 15% wastage due to natural defects.



ABILITY TO RECYCLE

Millboard decking can be recycled or reused in a variety of ways. It can be reground and recycled as a Polyurethane filler and used within building materials, such as concrete. It can also be reworked in its existing form and put to alternative uses such as path edging or creation of planters. Incineration provides effective energy recovery, releasing the same amount of energy as the Polyurethane contained at the beginning – 1kg of Polyurethane can produce energy equivalent to 1kg of coal.

At Millboard, we are exploring the use of reground filler from our own decking material within the manufacture of new products, to create a complete sustainability loop.



Maintenance

Millboard decking achieves superior outdoor spaces. Our boards perfectly mimic the beauty of natural wood and provide a practical, low-maintenance surface, leaving you free to simply enjoy life outdoors.

Our innovative decking gives you the assurance of high slip-resistance and zero chance of rotting without the need for intensive maintenance. A simple wash clean is all it needs.



Living with Millboard decking

Millboard decking's stunning good looks require minimal maintenance. Our Lastane® surface is resistant to scratches, food and drink stains, and is built for everyday use.

Here are a few simple maintenance tips:

- Remove spills and marks with plenty of water, a mild detergent and a cloth or brush (no solvents, chemicals or abrasive cleaners needed). Strong dyes and stains that fall on your decking, such as berries and animal droppings, should not be left. Remove these as soon as possible to prevent marking.
- Stubborn marks may be removed with a range of different cleaners depending on the mark. Please contact us for more information.
- Take care when moving sharp objects across your decking to avoid marking, e.g. unprotected table or chair legs, spiked shoes or metal planter bases.
- Use a small amount of granulated white salt (not rock salt) to tackle ice in the winter, and simply wash it off with soapy water and a brush once the weather warms up.
- Clean your decking when required to remove leaves and general dirt particles; this can be done with warm, soapy water and a brush.

If you have any queries or concerns regarding your Millboard decking, please email us at info@forte.co.nz, or call our support team on 0508 35 66 77.

Further information and warranty registration:
millboard.co.uk/warranty-registration

Alternative Uses

Landscapers and gardeners everywhere are discovering that Millboard decking's versatility and durability makes it very suitable for seating arrangements, planters, gates and eating areas.

As Millboard decking can be mitred and glued using PU wood adhesive, it makes it very easy to create a seamless masterpiece.





Millboard products have previously been used in a variety of ways including:

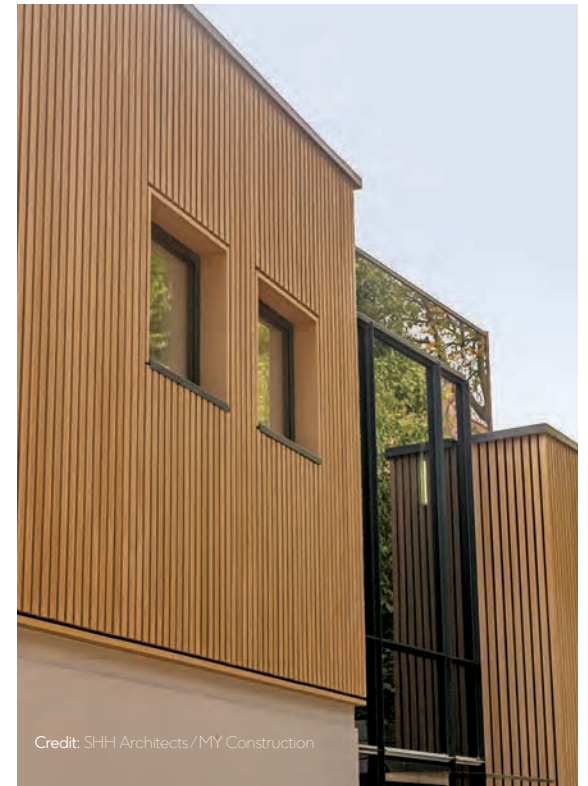
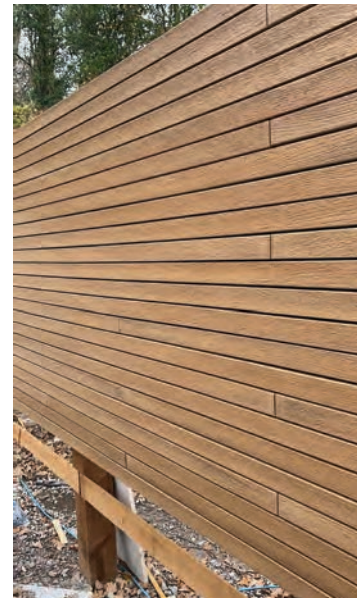
- Bridges
- Feature walls
- Residential cladding
- Gates
- Planters
- Pond surrounds
- Pool surrounds
- Seating
- Table-tops
- Tree houses



⬆ Millboard can also provide a natural look to applications where real wood is not suitable. Being waterproof, it lends itself perfectly to pool surrounds.



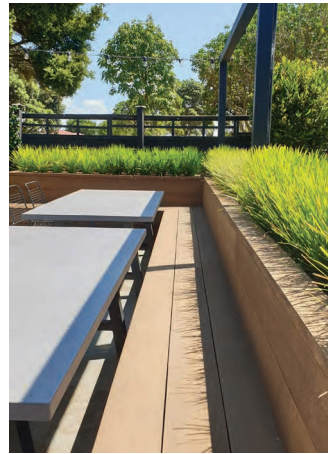
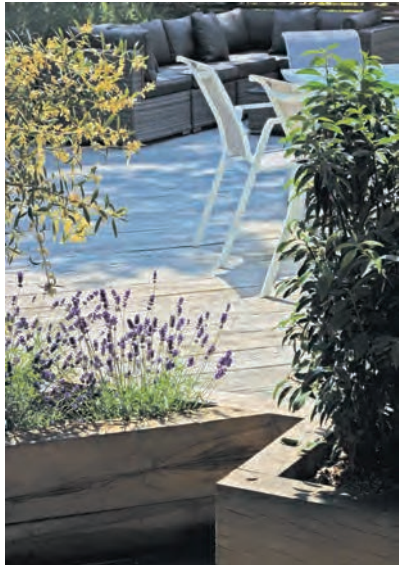
⬅ Millboard decking is the perfect material for cladding a gate. Its colour-stable coating enables the product to retain an appealing appearance throughout its lifespan.



Find inspiration for your next project at: forteflooring.co.nz/projects-gallery

Credit: SHH Architects/MY Construction

Project Inspo



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