





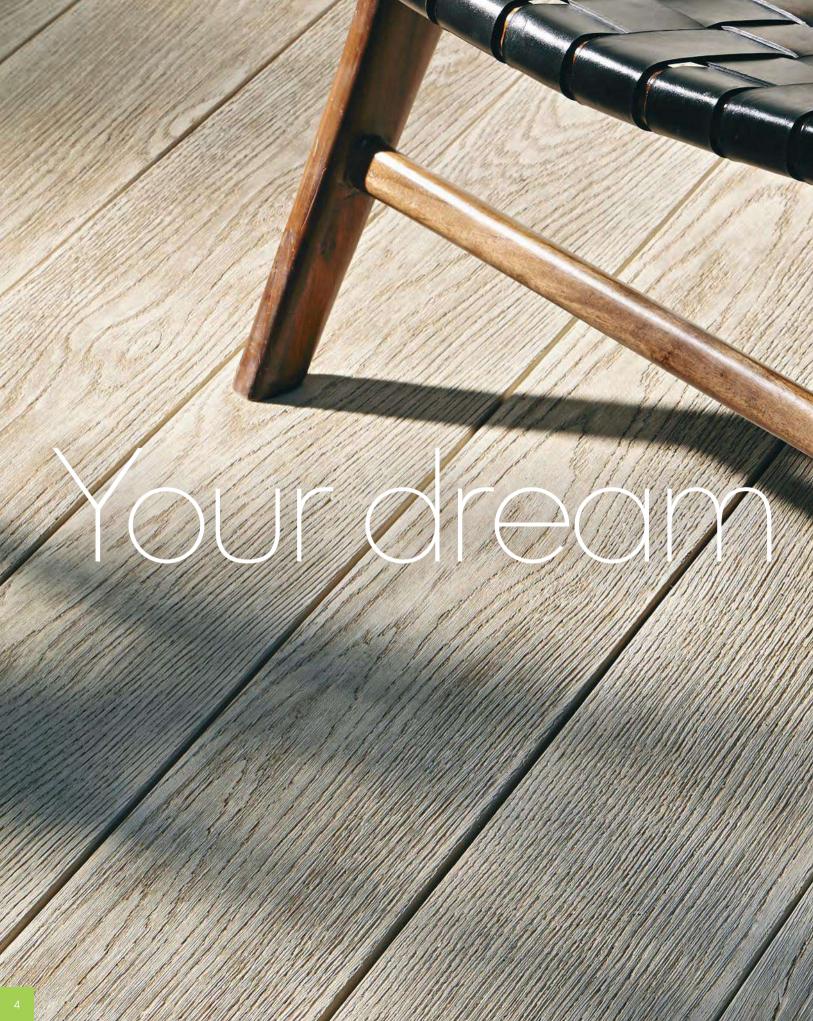
Contents

| About Millboard | The Millboard story A closer look Why choose Millboard decking? | 6 8 9 |
|------------------------|---|----------------------------|
| Enhanced Grain | The Collection Case Studies | 10 28 |
| Weathered Oak | The Collection Case Studies | 36 44 |
| Lasta-Grip | The Collection | 52 |
| Edging & Fascia | The Collection Colour options | 56 59 |
| DuoSpan & DuoLift | The Collection About DuoSpan and DuoLift | 60 62 |
| Components & Materials | The Collection Plas-Pro Touch-up Coating Durafix® | 70 72 74 75 |
| Useful Information | Working specification A focus on sustainability Maintenance Alternative Uses Samples, Ordering and Installation | 76 78 79 80 82 |











The only decking hand-moulded from natural timbers. Millboard decking is virtually indistinguishable from real wood, yet outperforms it on almost every level. Unlike timber boards, or even some conventional composite boards, Millboard decking resists the elements, requires minimal maintenance, is slip and stain resistant and won't rot from fungal decay or warp, unlike timber.

The mould masters for the Millboard range are carefully selected. The Weathered Oak range, for example, is moulded from over a century old oak boards. And the Enhanced Grain range is exquisitely rendered from refined timber for a smooth look and feel.

Each board is carefully hand-coloured in the realistic true-to-life tonal shades that are Millboard's signature feature. This attention to detail reflects Millboard's desire to provide the most authentic wood-look decking on the market today.

Our ethos is to continually reinvest in new product research and development. This has led us to bring some of the most advanced and unique products to the market - our patented Durafix® screws and Lastane® coated board are just two of our exclusive innovations.



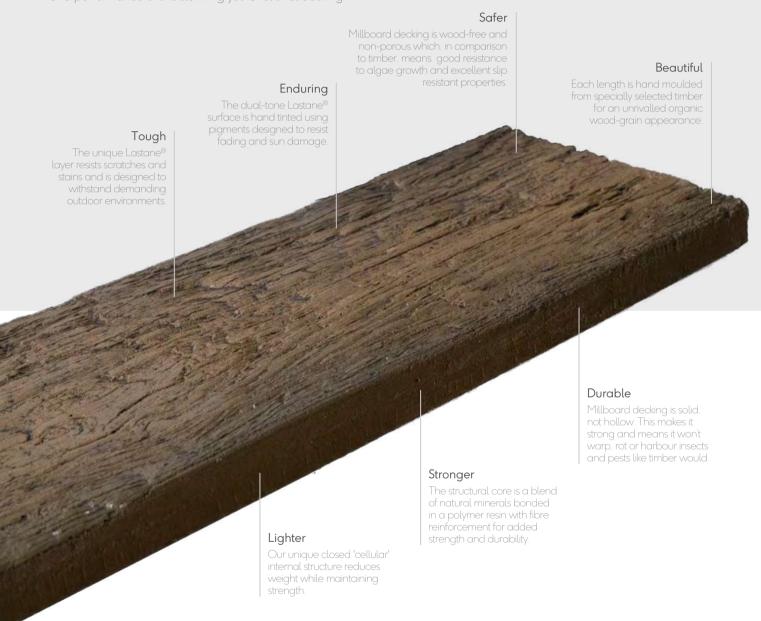


About Millboard decking



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.



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.



Why choose Millboard decking?



Resistant to algae

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



Slip-resistant

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



Moulded from real oak

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



Environmentally friendly

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



Lightweight

asier to handle and instal



Splinter-free

No wood content means absolutely no splinters.



Hygienic

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



Low maintenance

Resists stains from food or drinks spills and algae growth.



Does not warp or rot like wood

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



UV and weathering stability

Millboard decking has been tested in most weathers and temperatures.



'Lost head' fixing

Durafix[®] fixings are virtually hidden beneath the unique



Low carbon footprint

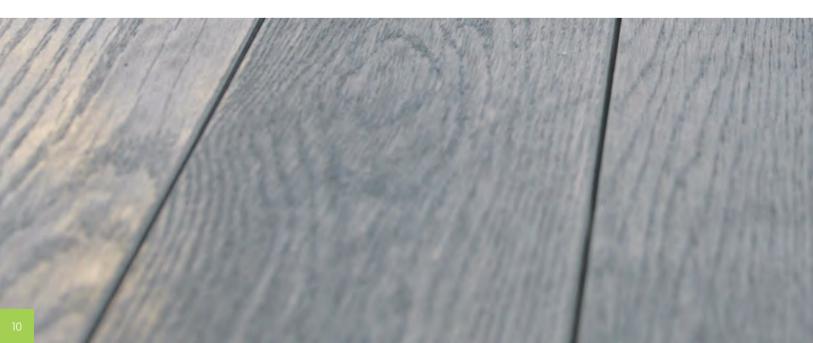
Independently and UKAS accredited to the ISO 14064-1 Verified Carbon Footprint

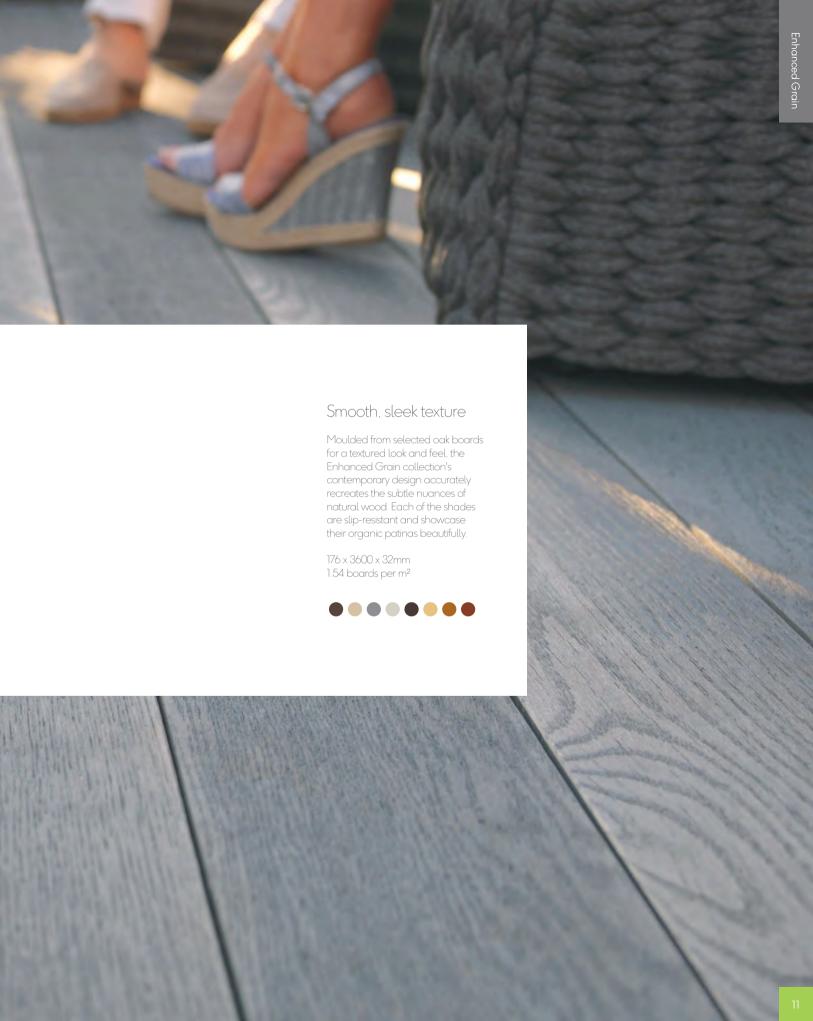


The Collection:

Enhanced Grain

Exquisitely replicating every detail you'd expect from real wood





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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176A













Subframe
See page 60



Alternative uses See page 80



Product samples See page 82



Discover more about Antique Oak: millboard.co.uk/antique-oak

Find an Approved Installer or Premier Distributor: millboard to uk/locator









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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176D













Subframe See page 60



Alternative uses See page 80

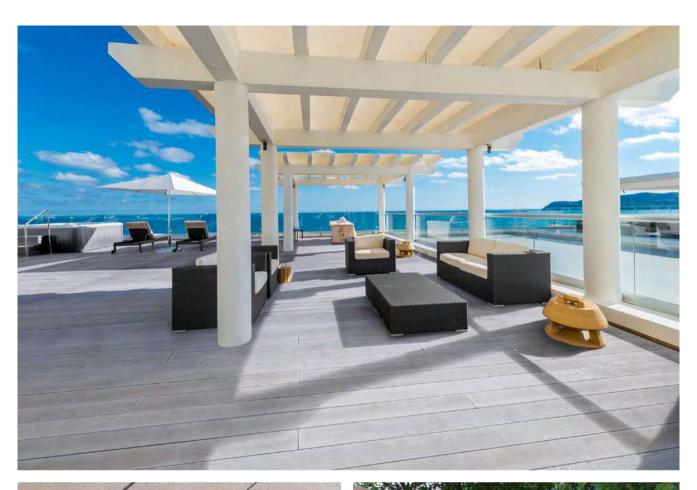


Product samples See page 82



Discover more about Smoked Oak: millboard.co.uk/smoked-oak

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator



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

Ava Homeowner





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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176B













Subframe See page 60



Alternative uses See page 80



Product samples See page 82



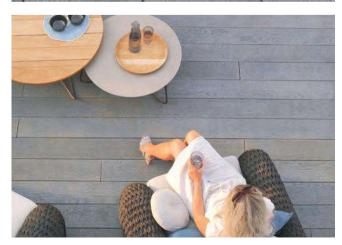
Discover more about Brushed Basalt: millboard.co.uk/brushed-basalt

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator



"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





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 climes.

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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176L













Subframe
See page 60



Alternative uses See page 80

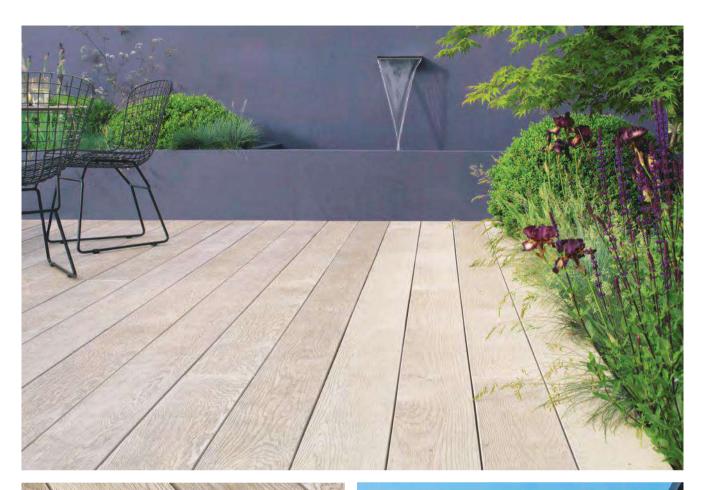


Product samples See page 82



Discover more about Limed Oak: millboard.co.uk/limed-oak

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator



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

Dominic and Ellie Homeowners





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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176R













Subframe See page 60



Alternative uses See page 80



Product samples See page 82



Discover more about Burnt Cedar: millboard.co.uk/burnt-cedar

Find an Approved Installer or Premier Distributor: millboard co.uk/locator



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





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 Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176G











Subframe See page 60



Alternative uses See page 80



Product samples See page 82



Discover more about Golden Oak: millboard.co.uk/golden-oak

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator









Coppered Oak

An autumnal rich finish with a profound depth of colour, Coppered Oak creates a look reminiscent of high-quality hardwoods such as ipe or teak.

Imbue your relaxing outdoor space with the natural vibrance, texture and tone of this russet-brown shade, moulded from smooth, organic timbers.

Board size Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176C













Subframe See page 60



Alternative uses See page 80



Product samples See page 82

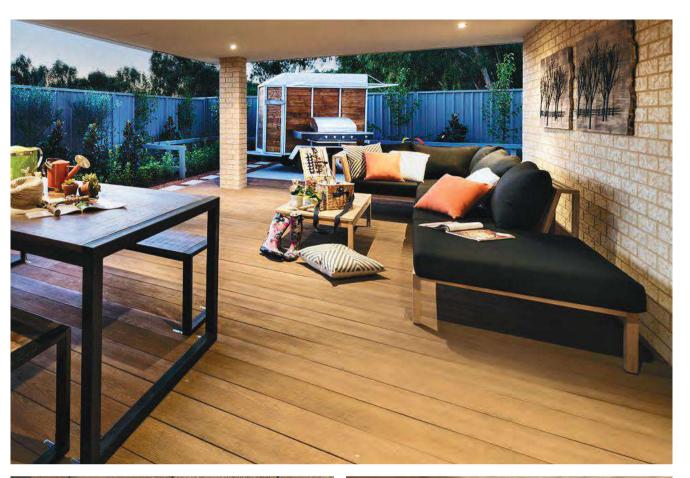


Discover more about Coppered Oak:

millboard.co.uk/coppered-oak

Find an Approved Installer or Premier Distributor:

millboard.co.uk/locator











Jarrah

A deep, burnt-sienna hue inspired by the timber of the native Australian Eucalyptus tree, Jarrah has warm, earthy tones that feel at home in a variety of situations.

Bring an exotic sense of luxury to your outdoor space with Jarrah. With its smooth visage and tropical colouration, Jarrah calls to mind remote sun-drenched islands, rainforests and retreats.

Board size Coverage Product code 176 x 3600 x 32mm 1.54 boards per m² MDE176J













Subframe See page 60



Alternative uses See page 80



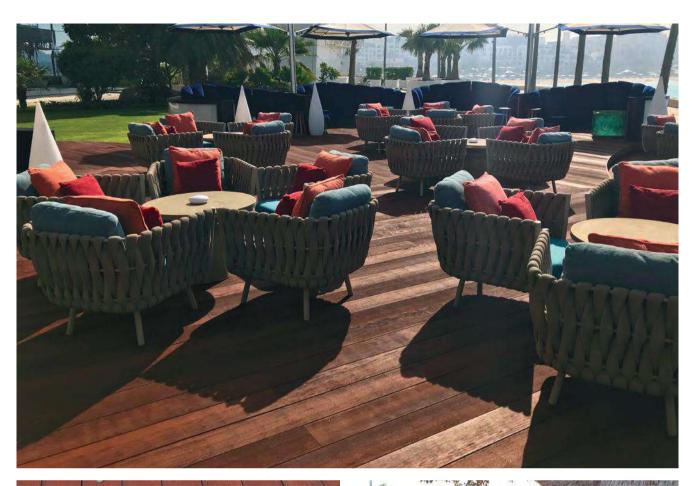
Product samples See page 82



Discover more about Jarrah: millboard.co.uk/jarrah

 $Find \ an \ Approved \ In staller \ or \ Premier \ Distributor:$

millboard.co.uk/locator



"Amazing product - so much better than my Merbau and it looks so real! Great products and good family business principles."



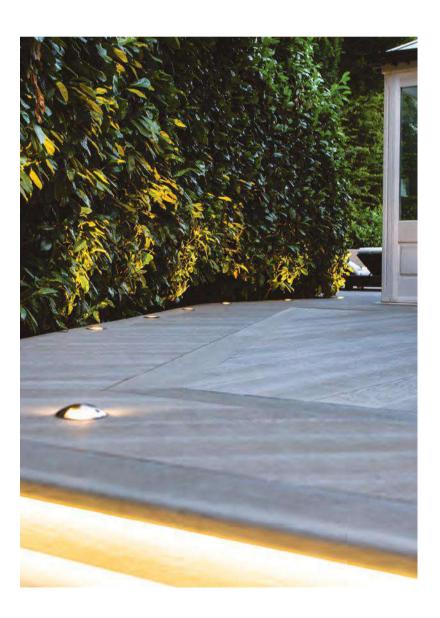




Brentwood House, Essex

The owners of Brentwood House in Essex wanted to update their brick and paving slab terrace. The existing arrangement was difficult to keep clean and patches of algae made it dangerous, especially during the winter. A local firm was brought in to redesign the space, with a brief to extend the terrace and to create a stylish, contemporary look.

Brentwood House's stunning new terrace includes an expansive space for entertaining friends and family. The built-in seating is flanked by a glass balustrade and atmospheric lighting, achieving a practical and attractive end-result.

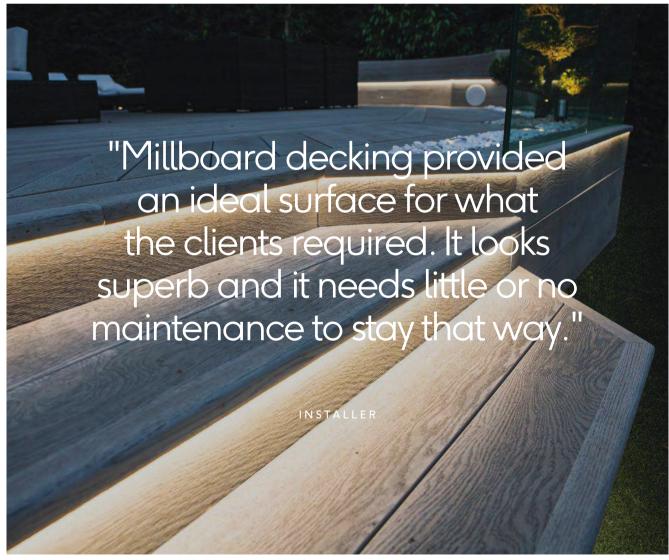




For the terrace's surface itself, Millboard Enhanced Grain decking in Smoked Oak was chosen both for its visual appeal and for its high-performance characteristics. Millboard's flexible Bullnose edging was also used to create a chic curved seating area. The whole installation has great slip-resistance, even in the wet, and requires minimal maintenance to sustain the deck's good looks.

Enhanced Grain Smoked Oak





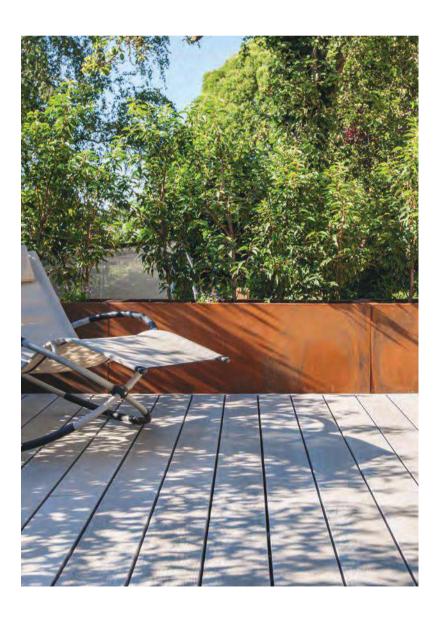


RESIDENTIAL CASE STUDY

Vicar's Hill, Ladywell

The steep slopes of the existing garden at this property consisted largely of an uneven grass 'lawn' and a few tired plants. It offered little to the owners and their three children, so they commissioned a designer to create a garden that all members of the family could use for relaxation and play.

The garden has been transformed into a space with distinctive areas for relaxing and having fun. Millboard decking has been used to create a raised platform at the entrance to the house, a mid-level deck extending out over the area below, overlapping steps that lead from the lawn area to a sunken trampoline, and a sundeck on top of a new garden studio.



Millboard's Plas-Pro sub-frame components were used to ensure all the underlying structures will last as long as the decks they support.

Requirement
New design for multi-level garden

Project location
London, UK

Designer
Simon Orchard Garden Design





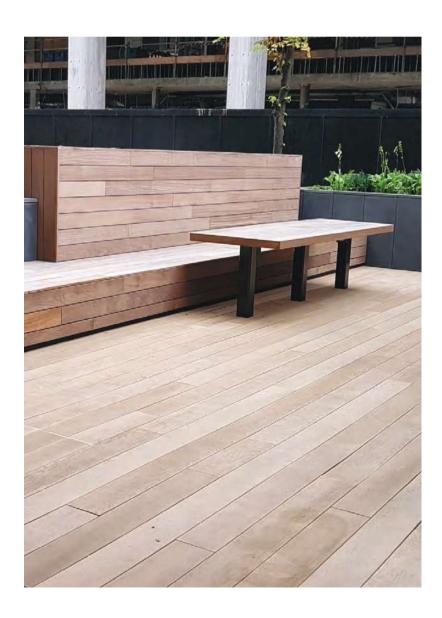


COMMERCIAL CASE STUDY

East India Dock, London

In March 2017, Studio RHE, the London-based architecture and design practice, set out their plans to remodel Clove Crescent, East India Docks. The space would provide a new public realm, become a 'workplace of the future' and an icon of the capital's regeneration.

Millboard supplied 860m² of Enhanced Grain decking in Golden Oak, together with matching fascia boards. Representatives from Millboard offered technical design assistance to Studio RHE throughout the project.



Studio RHE's £25m project includes cost-effective office spaces flanked by cutting-edge amenities and relaxing communal areas. The central public water garden features an oasis of trees, landscaped ponds and seating. Studio RHE's decision to use Millboard decking throughout was based on the product's durability, its suitability for use in a wet zone and for its stunning good looks.









COMMERCIAL CASE STUDY

Southampton Harbour Hotel

A bustling port and gateway to the Solent, Southampton Harbour also enjoys an international reputation for hosting the annual Boat Show. In recent years, the Ocean Village development has been adding to the area's prestige.

HGP Architects were engaged to create a five-star hotel for the marina and they came up with a spectacular design. Southampton Harbour Hotel looks like a luxury ocean liner moored on the waterfront, with terraces on multiple levels. High-end decking was required for all the terraces, and as well as looking good, materials had to be able to withstand the waterside location: slip-resistant and non-rot properties were vital.



The 1500m² installation is built on a Plas-Pro subframe and perfectly meets the brief for a durable and glamorous finish. The hotel recently won the prestigious C&IT Hotel of the Year award – a well deserved win for a boldly imagined property.

Our Flexible Bullnose Edging in Burnt Cedar was also used to create a visual contrast to the step up to the decking.

Enhanced Grain Smoked Oak





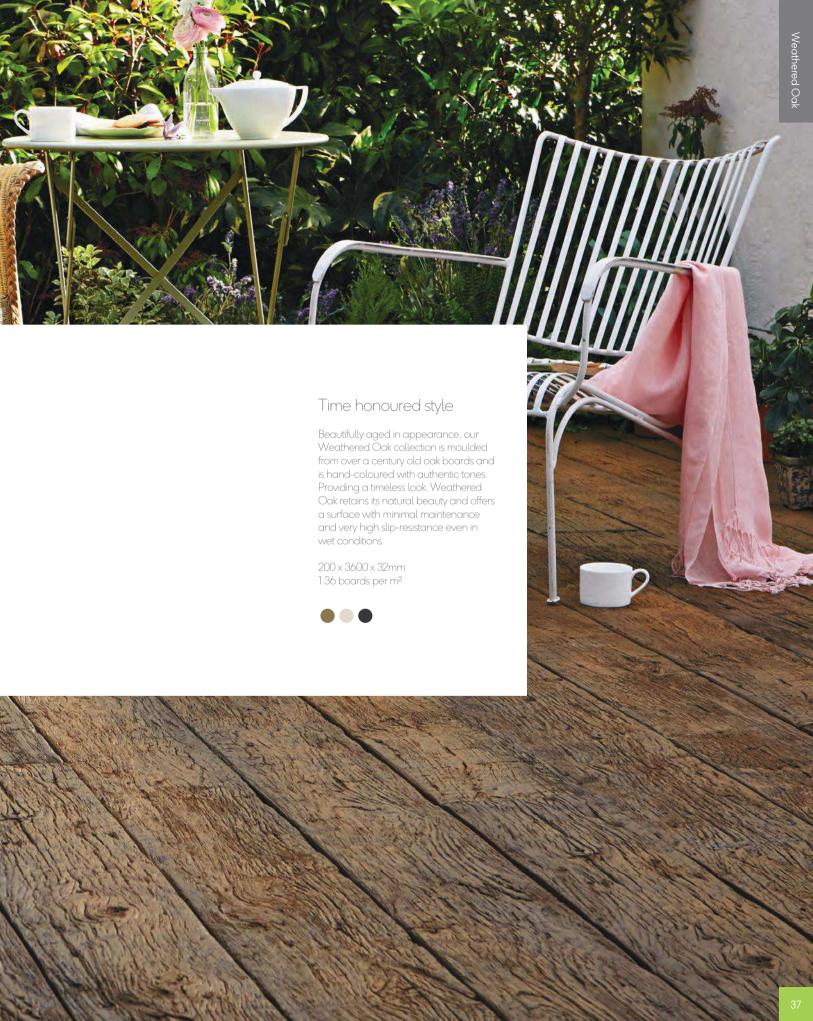


The Collection:

Weathered Oak

Create an atmosphere with our timeless, elegant boards







Weathered Oak

Vintage

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 Coverage Product code 200 x 3600 x 32mm 1.36 boards per m² MDW200V















Alternative uses See page 80

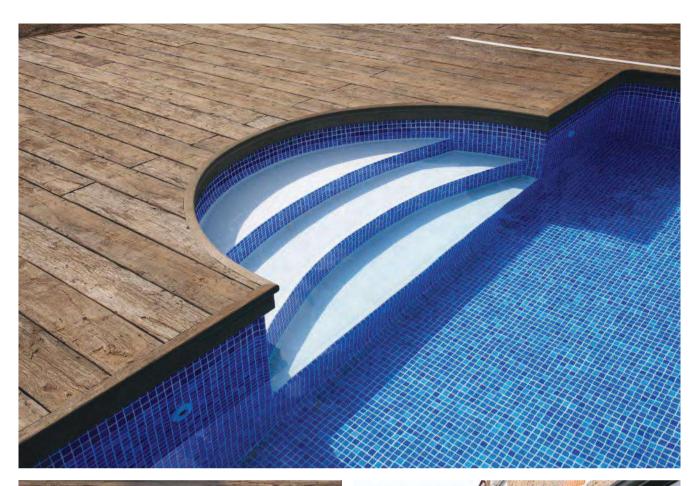


Product samples See page 82



Discover more about Vintage: millboard.co.uk/vintage

Find an Approved Installer or Premier Distributor: millboard to uk/locator



"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 Coverage Product code 200 x 3600 x 32mm 1.36 boards per m² MDW200D













Subframe See page 60



Alternative uses See page 80



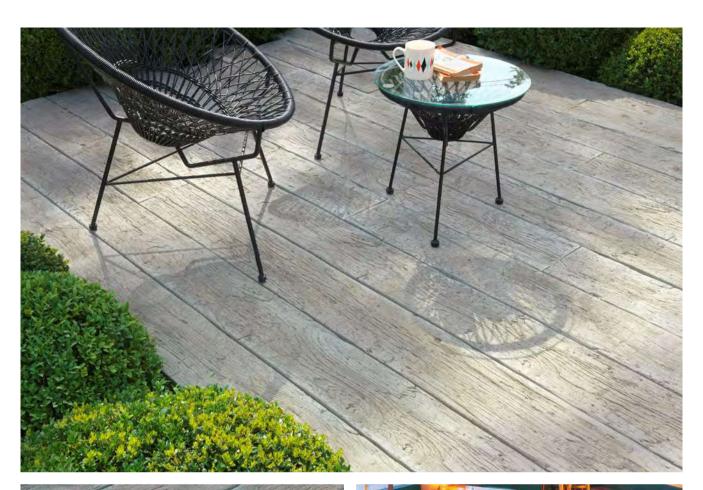
Product samples See page 82



Discover more about Driftwood:

millboard.co.uk/driftwood

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator











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 Coverage Product code 200 x 3600 x 32mm 1.36 boards per m² MDW200R













Subframe See page 60



Alternative uses See page 80



Product samples See page 82



Discover more about Embered:

millboard.co.uk/embered

Find an Approved Installer or Premier Distributor: millboard.co.uk/locator



"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





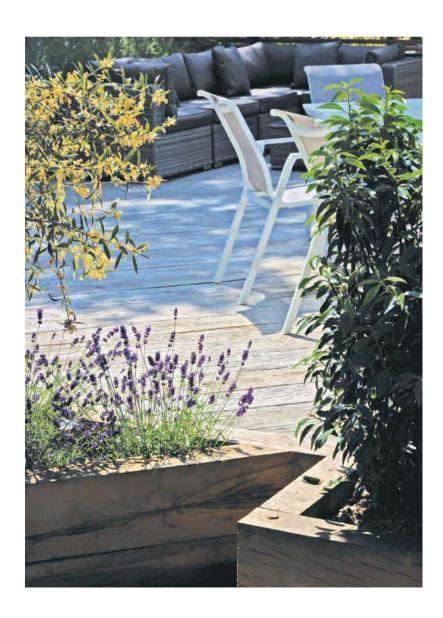


RESIDENTIAL CASE STUDY

Burnham-on-Sea, Somerset

GreenBird Gardening Ltd. based in Portishead. North Somerset, was commissioned to design an entirely fresh outdoor scheme for this seaside property. Alongside their planting scheme, GreenBird's proposed hard landscaping features included an expansive deck where the owners could relax and enjoy alfresco dining.

The new garden creates a wonderfully relaxed feel and, thanks to subtle lighting, is as enjoyable after dark as during the daytime.



As a Millboard Approved Installer, GreenBird Gardening knew Millboard's Weathered Oak in its Driftwood guise would be the ideal complement to the rest of their design, with its characterful grain supplying the instant impression of age. The superb looks are matched by its performance. Unlike wood, it will not rot, warp or split, and it needs minimal maintenance. Food and drink spills can just be wiped away without leaving stains. Last but not least, Weathered Oak's excellent slip-resistance means that even after rain, the deck can be safely enjoyed.



Weathered Oak Driftwood

"When Chris at GreenBird first proposed such an amount of decking, we were quite nervous about the maintenance required. After seeing a sample of Millboard decking, we were reassured. The end result is superb, both exceeding our expectations and allaying any initial worries that we had about keeping it looking good in the future."



Newent, Gloucestershire

The discerning homeowners wanted to transform their relatively plain 1960s property into something more suited to their tastes. Engaging a reputable construction company, they embarked on a significant overhaul, which included outdoor landscaping.

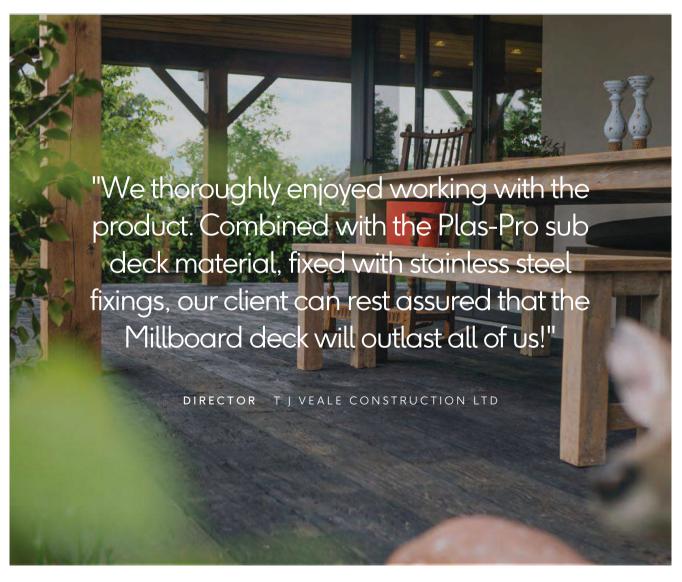
The extensive outdoor area blends a tasteful mix of materials and includes a covered eating area, a nature pond and a swimming pool. Millboard Weathered Oak decking was applied to the main decked area, the walkways to pond and pool, and even a sliding cover for the pool.





Millboard Weathered Oak decking in the Embered shade was chosen for all the decked areas. Providing the distinctive character of 100-year-old timber, but with the performance of a modern, cutting-edge material, it is perfectly suited to waterside environments and maintains high slip-resistance even when wet.



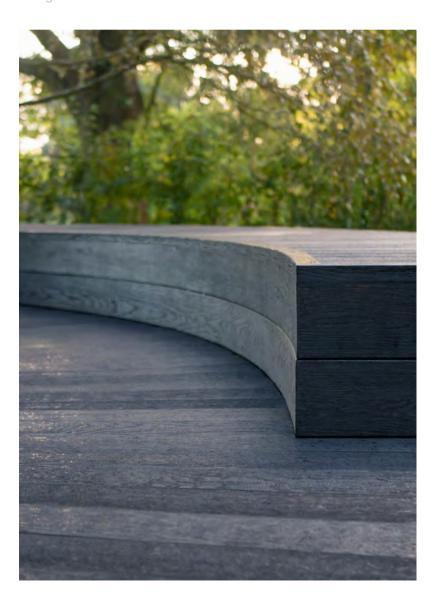




Royal Botanic Gardens, Kew

Kew Gardens seek to preserve the natural environment, protect endangered species, as well as discovering new and sustainable uses for plants and fungi. Is is estimated that the 14,000 trees that have been planted at Kew draw around 8.6 tonnes of potentially harmful carbon dioxide from London's air annually.

Kew Gardens is a UNESCO World Heritage Site and one of London's top tourist attractions, playing host to more than 3 million visitors annually. With such heavy footfall, durability was a key consideration when specifying materials for flooring and furniture applications and Millboard decking was selected as the best fit. The Millboard projects team provided the contractor with ongoing support, including site visits and close collaboration with the designers and installers throughout.

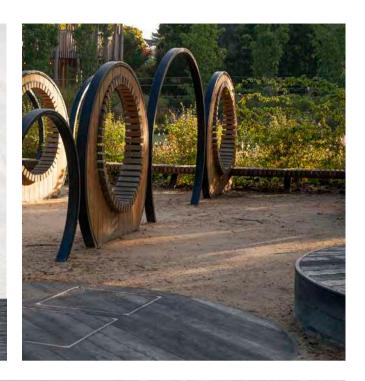




Every length of Millboard decking is designed to look and feel indistinguishable from real timber, without the associated drawbacks. It is this attention to detail that has led Kew Gardens and other leading establishments to specify the Enhanced Grain and Weathered Oak range for walkways, furniture and cladding applications.

A beautiful, reliable and eco-conscious solution that will help to encourage future generations to live life outside.

Weathered Oak Embered



"Having previously specified Millboard products on design projects for schools, I knew that I could rely on the range for its durability and slip-resistant properties, on top of its natural aesthetic. The black hues of these boards provide a good backdrop for foliage plants, allowing their vibrant colours to really shine through. The Children's Garden incorporates an amphitheatre design with curved benches; we achieved a good radius by simply bending the fascia boards to create a seamless finish that's not always possible with timber. The Millboard decking was installed just as easily as real wood, and facilitated techniques like tapered cuts, which help to create that flawless finish we were looking for. It blends really well." LANDSCAPE ARCHITECT KEW GARDENS

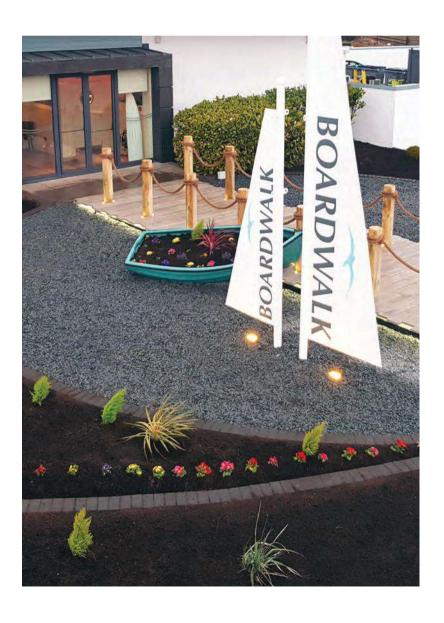


COMMERCIAL CASE STUDY

Boardwalk, Falkirk

Formerly known as The Wheelhouse, the popular Boardwalk venue near to the Falkirk Wheel has been completely revamped under new owners Cawley Hotels. They were keen to create outdoor spaces for their customers to enjoy, but the wooden decks they had in mind would be time-consuming to maintain and become slippery during and after any wet weather.

With high footfall, the outdoor areas around Boardwalk demanded a flooring material that would require minimal maintenance and provide excellent slip-resistance. The Boardwalk's architects opted for Millboard's Weathered Oak Driftwood, a perfect match for the nautical restaurant.



Their new walkway and external terrace area beautifully showcases the romantic charm of the Weathered Oak range.
Perfectly matched with sea-worn rope, the installation has become a highlight of the area and the owner is looking to include similar concepts within future restaurant designs.









The Collection:

Lasta-Grip

Safety-focused boards with style







Lasta-Grip

Coppered Oak

Lasta-Grip in the popular Coppered Oak shade provides a tasteful decking option for areas where the shades of hardwood are desirable but visible slip-resistant measures are required. The beautiful wood grain is still clearly evident, and the textured strips provide reassurance that safety needs are fully met.

Board size $200 \times 3600 \times 32 \text{mm}$ Coverage $1.36 \text{ boards per m}^2$

Product code MDL200C













Golden Oak

Maintaining the same appeal as in the Enhanced Grain range, our Lasta-Grip Golden Oak decking provides the elegant look of freshly sawn Oak. Combining the distinctive wood grain with textured strips for maximum slip-resistance, these decking boards are as safe as they are stylish, and suitable for both residential and commercial environments.

Board size200 x 3600 x 32mmCoverage1.36 boards per m²Product codeMDL200G











Discover more about Lasta-Grip decking:

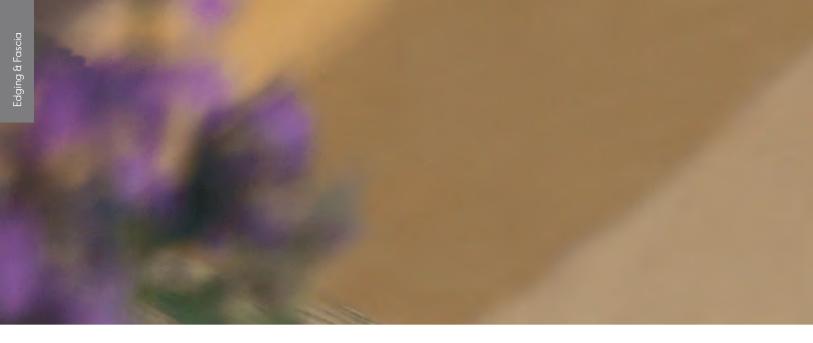
millboard.co.uk/lasta-grip-decking



"This is a truly phenomenal product that delivers beyond what its marketing promises. I would have no hesitation in recommending Millboard."







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 32mm

Fascia

Construction: Polymer resin core/Lastane® surface

Size: 146 x 3200 x 16mm

Flexible Bullnose Edging

Construction: Flexible polymer resin core/Lastane® surface

Size: 50 × 2400 × 32mm

Bullnose Board

Construction: Polymer resin core/Lastane® surface

Size: 150 x 3200 x 32mm

Smoked Oak with Bullnose Board

Brushed Basalt with Flexible Bullnose Edging and Fascia

Golden Oak with Flexible Bullnose Edging and Fascia







Edging & Fascia: Colour options

1 Smoked Oak/Driftwood

Flexible Bullnose Edging: MEBF50D Square Edging: MEUN32D Fascia: MFN320D Bullnose Board: MEBB150D

4 Burnt Cedar/Embered

Flexible Bullnose Edging: MEBF50R Square Edging: MEUN32R Fascia: MFN320R Bullnose Board: MEBB150R

7 Jarrah

Flexible Bullnose Edging: MEBF50J Square Edging: MEUN32J Fascia: MFN320J Bullnose Board: MEBBJ50J

2 Limed Oak

Flexible Bullnose Edging: MEBF50L Square Edging: MEUN32L Fascia: MFN320L Bullnose Board: MEBB150L

5 Golden Oak

Flexible Bullnose Edging: MEBF50G Square Edging: MEUN32G Fascia: MFN320G Bullnose Board: MEBB150G

8 Vintage

Flexible Bullnose Edging: MEBF50V Square Edging: MEUN32V Fascia: MFN320V Bullnose Board: MEBB150V

3 Brushed Basalt

Flexible Bullnose Edging: MEBF50B Square Edging: MEUN32B Fascia: MFN320B Bullnose Board: MEBB150B

6 Coppered Oak

Flexible Bullnose Edging: MEBF50C Square Edging: MEUN32C Fascia: MFN320C Bullnose Board: MEBB150C

9 Antique Oak

Flexible Bullnose Edging: MEBF50A Square Edging: MEUN32A Fascia: MFN320A Bullnose Board: MEBB150A

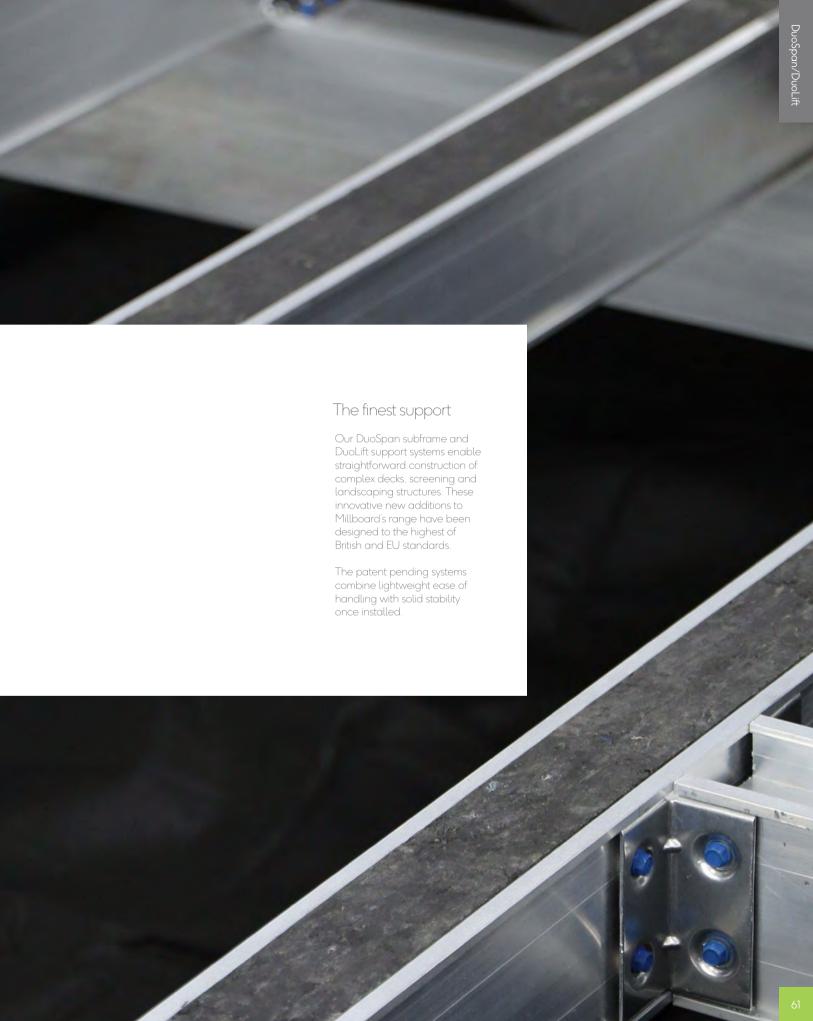


The Collection:

DuoSpan[™] and DuoLift[™]

Engineered strength and design versatility







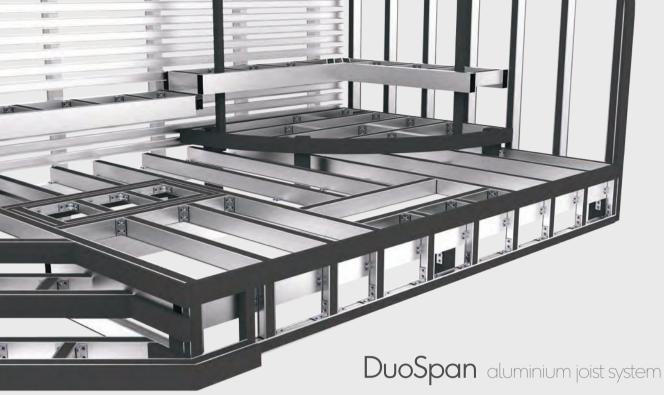
DuoSpan and DuoLift.

Engineered strength and design versatility.

Representing a unique landscape construction frame, DuoSpan combines the strength of aluminium with the design flexibility of recycled plastic. This combination enables distinctive decking designs and outdoor structures that would be difficult with most conventional subframes, and its slot-and screw assembly, assists with easier installations.

The DuoLift joist support system provides substantial height flexibility within four stackable components, removing the challenge of various fixed-height pedestals over a single area, and provides enhanced ease of installation, together with superior load bearing.

DuoSpan and DuoLift can both be used with a wide range of decking and cladding materials.



DuoSpan is packed with innovative features that make installation success a virtual certainty, even with distinctive and challenging designs. DuoSpan is available in a low level profile, or with deeper profiles for longer spans.

www.millboard.co.uk/duospan



DuoLift twist-lock support system

Simple stackability for height flexibility – DuoLift provides subframe support that just works. The Self-Levelling Joint is designed for ease and speed of installation. An adjustable and problem-solving solution from Millboard.

www.millboard.co.uk/duolift

DuoSpan

DuoSpan is a unique landscape construction frame, combining the strength of aluminium with the design flexibility of recycled plastic. This combination enables distinctive design opportunities for decking and outdoor structures that would be impossible with conventional subframes.



Flexible connectivity

Multiple bracket types facilitate all types of joints, including Flexible Brackets for non-standard angles.



Slot-and-screw assembly

Screw-locating grooves and self-drilling screws ensure accurate alignment and a fast fix that's right first time.



Corrosion-resistant

Galvanic corrosion between different metals is minimised with our cathodic barrier fixings.



Unique curved constructions

The combination of rigid DuoSpan with flexible Plas-Pro enables the construction of stunning curved formations.



Exceptional spans

The DuoSpan 99mm Joist provides an 1800mm span in residential applications, reducing posts or joist supports required.



Simple, stable fixing

Decking and cladding can be easily and securely screwed into the DuoSpan Joist Insert at almost any angle.

DuoLift

The DuoLift joist support system was designed to make installation significantly easier and to ensure successful outcomes. Providing substantial height flexibility within four stackable components. DuoLift removes the common problem of having to order varying height pedestals for a single area.



Superior load bearing

The larger 114mm diameter Joist Cradle and 220mm diameter Foot provide enhanced dispersion of point loading.



Micro-adjustable

The height-adjustment ring on the DuoLift Joist Cradle provides precision 1mm adjustments for every quarter turn.



Self-levelling

The 20mm Self-Levelling Joint component is added for height elevation of more than 35mm and ensures level surfaces.



Stack-up support

Eliminating conventional fixed-height pedestals, stackable 45mm Risers provide on-site flexibility and accuracy.



Locking tabs

Locking tabs twist over the bottom lip of DuoSpan Joists for secure anchoring or align with solid joists for a screw fixing.



Visible twist-lock

Clear indicators confirm that stackable components are properly locked together – just insert, twist and lock.



DuoSpan

DuoSpan profiles

| Contents | Dimensions | Material | Code |
|----------------------|-------------------|-----------|-----------|
| A DuoSpan 51mm Joist | 51 x 68 x 3600mm | Aluminium | K5168J360 |
| B DuoSpan 99mm Joist | 99 x 68 x 3600mm | Aluminium | K9968J360 |
| C DuoSpan 136mm Beam | 136 x 63 x 3600mm | Aluminium | K1363B360 |



| Contents | Dimensions | Material | Code |
|------------------------|------------------|------------------|-----------|
| D DuoSpan Joist Insert | 25 x 50 x 3000mm | Recycled plastic | K0205B300 |

Plas-Pro

| Conte | ents | Dimensions | Material | Code |
|-------|----------------------|--------------------|------------------|-----------|
| E Pla | s-Pro Fascia Support | 100 x 25 x 3000mm | Recycled plastic | P0210B300 |
| F Pla | s-Pro Post | 100 x 100 x 3000mm | Recycled plastic | P1010B300 |













Accessories and fixings

Joist bracket sets for DuoSpan 51mm Joist

| Contents | Quantity | Dimensions | Material | Box code |
|-------------------------------|----------|------------|-----------------------------|----------|
| DuoSpan 51 90° Angle Bracket | 10 | - | Aluminium | K51RP010 |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | |
| DuoSpan 51 Flexible Bracket | 10 | _ | Aluminium | |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | K51FP010 |
| DuoSpan Pan-head Screw | 20 | 5 x 25mm | Cathodic barrier coated s/s | |
| DuoSpan 51 Straight Connector | 10 | _ | Aluminium | K51LP010 |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | |







Joist bracket sets for DuoSpan 99mm Joist

| Contents | Quantity | Dimensions | Material | Box code |
|-------------------------------|----------|------------|-----------------------------|----------|
| DuoSpan 99 90° Angle Bracket | 10 | _ | Aluminium | K99RP010 |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | |
| DuoSpan 99 Flexible Bracket | 10 | _ | Aluminium | |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | K99FP010 |
| DuoSpan Pan-head Screw | 20 | 5 x 25mm | Cathodic barrier coated s/s | |
| DuoSpan 99 Straight Connector | 10 | _ | Aluminium | K99LP010 |
| DuoSpan Hex-head Screw | 42 | 5.5 x 25mm | Cathodic barrier coated s/s | |
| | | | | |







Hold-down clip

| Contents | Quantity | Dimensions | Material | Box code |
|------------------------|----------|------------|-----------------------------|------------|
| DuoSpan Hold-down Clip | 30 | - | Aluminium | 1/40.00000 |
| DuoSpan Hex-head Screw | 63 | 5.5 x 25mm | Cathodic barrier coated s/s | K48CP030 |



Plas-Pro profile fixings

| Contents | Quantity | Dimensions | Material | Box code |
|-----------------------------------|----------|------------|-----------------------------|----------|
| DuoSpan Bracket to Plas-Pro Screw | 100 | 5 x 25mm | Cathodic barrier coated s/s | FD25P100 |
| Plas-Pro to DuoSpan Screw | 100 | 5 x 50mm | Cathodic barrier coated s/s | FD50P100 |



DuoLift

DuoLift has been developed by Millboard based on intimate knowledge of the challenges of installing decking on hard surfaces, and the shortcomings of conventional pedestal/cradle systems. It removes the arbitrary choice of pedestal heights, and instead provides a 15-60mm Joist Cradle with a sequence of support components that can raise the height to a maximum of 350mm.

Making installation easy

Every aspect of the installer's experience has been considered, and fine details of the design make height adjustment easier and give confidence when installing. The larger 114mm diameter of the Joist Cradle and the 220mm diameter of the Foot provide more effective load spreading.

Twist-lock system

To ensure the best solid fit, the DuoLift boasts the twist-lock system, rather than a loose stacking.

DuoLift unpacked

DuoLift Joist Cradle 15-60mm

10 pack: PMCP010

Providing an exceptional height range of 45mm, from 15-60mm, the DuoLift Joist Cradle enables precision height adjustment with 5mm markings on the side and each quarter turn of the adjustment ring representing a 1mm rise or fall. The Joist Cradle allows the installer to adjust the height whilst the joist is in place, locking tabs provide a secure finish once correct height has been determined.

DuoLift Self-Levelling Joint 20mm

10 pack: PMLP010

Adding 20mm to the height of the supports, the DuoLift Self-levelling Joint provides easy and effective levelling of a subframe up to 5°, ready for decking installation. Suitable for standing directly onto a solid substrate, or for providing a joint for a higher support.

DuoLift Riser 45mm

10 pack: PMRP010

The Riser component of the DuoLift system increases the height in increments of 45mm. It is capable of sitting directly onto a solid substrate under the Joist Cradle and Self-Levelling Joint or forming part of a higher stack with a foot beneath.

DuoLift Foot 45mm

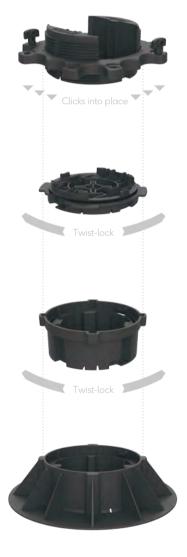
10 pack: PMFP010

The DuoLift Foot provides a very stable footing for more elevated subframes, raising the height by 45mm and spreading the load further across the substrate, due to the 220mm base supporting a maximum combined height of 350mm.

DuoLift Acoustic Separation Pad 3mm

10 pack: PMAP010

Agglomerated cork and recycled rubber pads offer a layer of protection between joist supports and membranes, as well as providing an acoustic benefit.

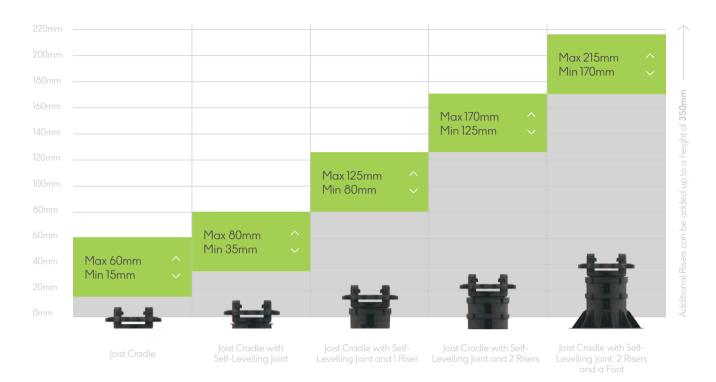




Simple stackability for height flexibility

Multiple height combinations from four sturdy components.

With a selection of components on site, installation delays can be avoided.





Universal support for all frame types

DuoLift is designed to support a range of joists from DuoSpan to Plas-pro to timber.

How many Joist Supports do I need?

Residential applications: 4 per m² Millboard decking* Commercial applications: 7 per m² Millboard decking*

| Contents | Quantity | Height | Pack Code |
|-----------------------------------|----------|---------|-----------|
| A DuoLift Joist Cradle | 10 | 15-60mm | PMCP010 |
| B DuoLift Self-Levelling Joint | 10 | 20mm | PMLP010 |
| C DuoLift Riser | 10 | 45mm | PMRP010 |
| D DuoLift Foot | 10 | 45mm | PMFP010 |
| E DuoLift Acoustic Separation Pad | 10 | 3mm | PMAP010 |

^{*} Approximate number - quantities may vary according to project design and choice of subframe used.

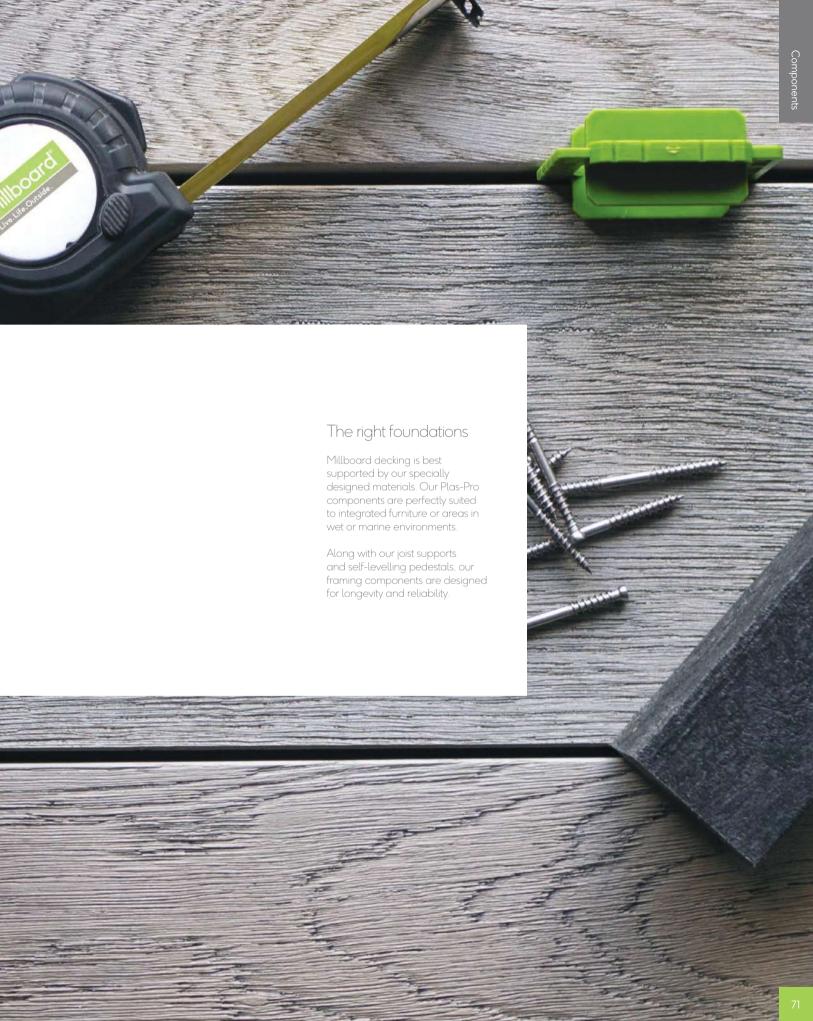


The Collection:

Components & Materials

Everything you need for installation success







Plas-Pro

Plas-Pro is an excellent alternative to timber for constructing supporting structures for decks, seating, planters and more. It is incorporated within our comprehensive DuoSpan aluminium subframe system, but it can also be used on its own in low-height areas, such as roof terraces, and in waterside areas where use of metal is not advisable.

Constructed from recycled plastic, Plas-Pro is strong, versatile and easy to work with. Available in a range of sizes to act as posts, joists and bearers, it can be cut and drilled just like wood, yet never rots even when placed in water.

The flexibility of Plas-Pro means that it can also be used to create unique and special outdoor constructions, incorporating curves and twists that would be impossible with conventional materials.

Plas-Pro 125 x 50mm Joist/Bearer

Designed to be used in conjunction with Plas-Pro 100 x 100mm Posts when installed over a soil/earth base.

Dimensions 125 x 50 x 3000mm

Product Code P1205B300



Designed to be used in conjunction with the **DuoLift system** when installed over a solid/stable substrate.

Dimensions 50 x 50 x 2400mm

Product Code P0505B240

Plas-Pro 60 x 30mm Joist

Designed to be used in low-level areas with a solid/stable base. Not to be raised with cradles.

Dimensions 60 x 30 x 2800mm

Product Code P0603H280

Plas-Pro 100 x 100mm Post

Designed to be used in conjunction with Plas-Pro 125 x 50mm Joist/Bearers when installed over a soil/earth base.

Dimensions 100 x 100 x 3000mm

Product Code P1010B300







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.



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.



Coppered Oak 500ml AP500C



Golden Oak 500ml AP500G



Limed Oak 500ml AP500L



Brushed Basalt 500ml AP500B



Smoked Oak/Driftwood 500ml AP500D



Jarrah 500ml AP500



Burnt Cedar/Embered 500ml AP500R



Vintage 500ml AP500V

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 60mm | Box of 250 | Top down timber and DuoFix tool | FT60P250 |
| 4.5 x 45mm | Box of 250 | Top down DuoSpan and Plas-Pro | FT45P250 |
| 4.5 x 35mm | Box of 100 | Fascia | FT35P100 |

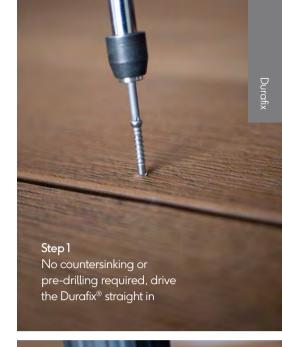


Our patent pending DuoFix Side-Fixing Guide makes decking installation accurate and quick, resulting in a clean hidden fixing finish. This quality gives you a clean look, even when used with lighter coloured boards.

The Guide lays over the decking board and is suitable for board widths of 145-200mm, making it compatible with all Millboard decking boards, and even some softwood decking boards. When used in combination with Durafix® screws and the complimentary driver bit, the Guide aligns the screws perfectly and controls the fixing depth too.

The DuoFix Side-Fixing Guide provides a 6mm spacing between boards.

Discover more about fixings and accessories: millboard.co.uk/subframe-accessories







Working Specification

Decking Boards

For all applications we recommend that our boards are installed with a 4mm gap between the boards and a 1mm gap at the butt ends to facilitate drainage. 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.

| Туре | Uniform Distributed Load |
|--------------------------|--------------------------|
| Commercial applications | ≤5kN/m² |
| Residential applications | $\leq 2.5 \text{kN/m}^2$ |

View the Installation Guide and more: millboard.co.uk/downloadable-guides

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.

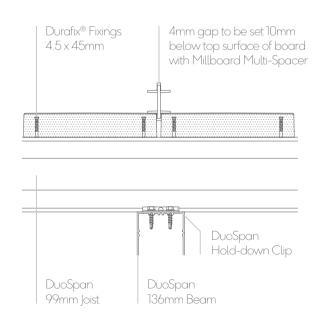
Residential applications

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.

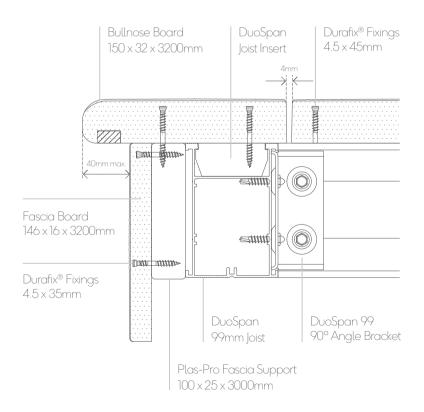
| Туре | Dimensions | Bend radius |
|--------------------------|-------------------|---------------|
| Square Edging | 50 x 32 x 3200mm | 3m |
| Flexible Bullnose Edging | 50 x 32 x 2400mm | 1.2m |
| Fascia Board | 146 x 16 x 3200mm | 1.2m |
| Bullnose Board | 150 x 32 x 3200mm | Does not bend |

View the Installation Guide and more: millboard.co.uk/downloadable-guides

Colour options

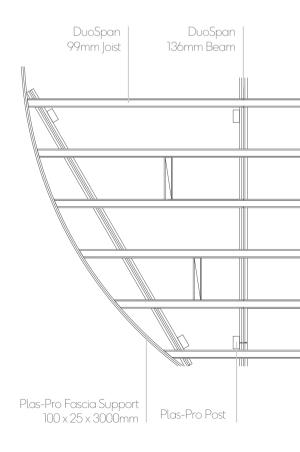
The edge trims are available in nine colours, which can be used to match the decking boards, as a design contrast or to assist partially sighted persons, which is a requirement for some public applications.

Installing Edging & Fascia



//// Max. recess area for LED strip lighting is 17 x 9mm, up to 11mm from the fascia.

Creating a curved edge



A focus on sustainability

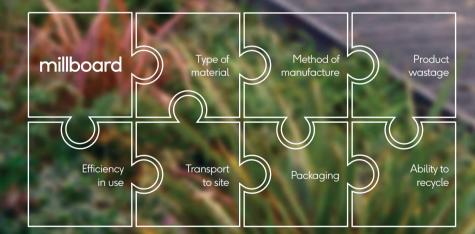
Sustainability is a crucial element of the company's ethos, and we are committed to producing decking that enhances the outdoors without damaging the planet.

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.

Manufacture is carried out here in the UK, so transport costs are lower than for imported hardwood or composite decking, further helped by our use of lightweight, recyclable packaging.

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.

For more about our approach to sustainability, see our brochure 'A sustainable choice', available at millboard.co.uk/downloadable-guides.



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 **enquiries@millboard.co.uk**, or call our UK support team on **024 7643 9943**.





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.



Top: Footprint Architects Centre: Dovetail Timber Homes



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.



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

- Bridges
- Pond surrounds
- Feature walls
- Pool surrounds

Residential cladding

- Seating
- Gates
- Table-tops
- Planters
- Tree houses

Find inspiration for your next project at: millboard.co.uk/design-inspiration



Selection and Visualisation

Choosing your Millboard deck is a significant decision and one that you will want to get right. We make it easy to confirm your choice, with appointed distributors across the UK holding stocks of the Millboard range available for you to view.

Nothing beats seeing and walking on a Millboard deck for real, but we're happy to send you some free samples so that you can experience the unique colours and grain textures up close.

Order a free sample pack: millboard.co.uk/samples



Ordering and Installation

Purchasing your Millboard deck is simple. Appointed stocking distributors across the UK and beyond are available to assist you and to help you to fulfil your requirements. Should you have any difficulty locating a distributor in your area, please contact our team who will gladly direct you. Where assistance is required on planning larger projects, our technical team can provide in-depth support with both design and practical considerations.

Millboard decking is straightforward to install. However, we'd recommend using an experienced contractor – our list of trained and approved installers covers most areas of the UK.

Find an Approved Installer or stockist: millboard.co.uk/locator

London Design Hub

Situated in the heart of the creative community, our showroom reflects Millboard's commitment to remain at the forefront of outdoor design progression, and incorporates dedicated space for CPD training sessions and design-focused events.

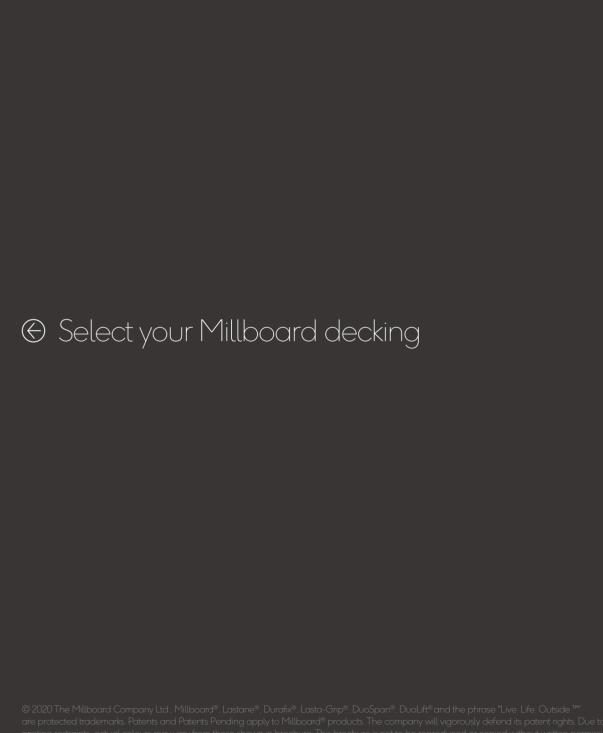
The London Design Hub features the full range of Millboard decking, and includes striking displays of the many creative ways in which Millboard can be used – both innovative laying styles and alternative uses in creating steps, planters, water features and more.

63 Goswell Road, Clerkenwell London, ECIV 7EN 020 39 788 800



| Select your Millboard decking | | |
|----------------------------------|-------------------|-------------------|
| Millboard decking | Enhanced Grain | Weathered Oak |
| | 176 x 3600 x 32mm | 200 x 3600 x 32mm |
| Antique Oak Page 12 | MDE176A | _ |
| Smoked Oak Page 14 | MDE176D | _ |
| Brushed Basalt Page 16 | MDE176B | _ |
| Limed Oak Page 18 | MDE176L | _ |
| Burnt Cedar Page 20 | MDE176R | _ |
| Golden Oak Page 22 | MDE176G | _ |
| Coppered Oak Page 24 | MDE176C | _ |
| Jarrah Page 26 | MDE176J | _ |
| Vintage Page 38 | _ | MDW200V |
| Driftwood Page 40 | _ | MDW200D |
| Embered Page 42 | _ | MDW200R |
| | | |

| Lasta-Grip 200 x 3600 x 32mm | Bullnose Board | Flexible Bullnose Edging 50 x 2400 x 32mm | Square Edging 50 x 3200 x 32mm | Fascia Board 146 x 3200 x 16mm | |
|--|----------------|---|-----------------------------------|-----------------------------------|--|
| _ | MEBB150A | MEBF50A | MEUN32A | MFN320A | |
| _ | MEBB150D | MEBF50D | MEUN32D | MFN320D | |
| _ | MEBB150B | MEBF50B | MEUN32B | MFN320B | |
| _ | MEBB150L | MEBF50L | MEUN32L | MFN320L | |
| _ | MEBB150R | MEBF50R | MEUN32R | MFN320R | |
| MDL200G | MEBB150G | MEBF50G | MEUN32G | MFN320G | |
| MDL200C | MEBB150C | MEBF50C | MEUN32C | MFN320C | |
| _ | MEBB150J | MEBF50J | MEUN32J | MFN320J | |
| _ | MEBB150V | MEBF50V | MEUN32V | MFN320V | |
| _ | MEBB150D | MEBF50D | MEUN32D | MFN320D | |
| _ | MEBB150R | MEBF50R | MEUN32R | MFN320R | |
| These swatches are representative only; due to the replications of natural hardwood, the complete deck may have slight variations in colour tone and graining. | | | | | |



millboard.co.uk



Brochure edition: 2020 V1.1

