Installation & user guide

millboard®

Thankyou

for choosing Millboard

Because we believe that there is nothing as beautiful as the appearance of wood's natural grain, we've spent years perfecting an outdoor alternative that's just as attractive as the real thing, without the flaws of natural products.

Within these pages, we've put together a useful guide of all the things you need to get started. From the essential installation information, necessary tools and fixings, all the way through to looking after Millboard once it's installed.

Live.Life.Outside.

Contents

Tools

These are the tools that you need to install Millboard.

Circular saw, jigsaw or chopsaw

Dust mask, gloves and safety glasses

Handsaw

String line

Power drill/driver

Spirit level

Tape measure

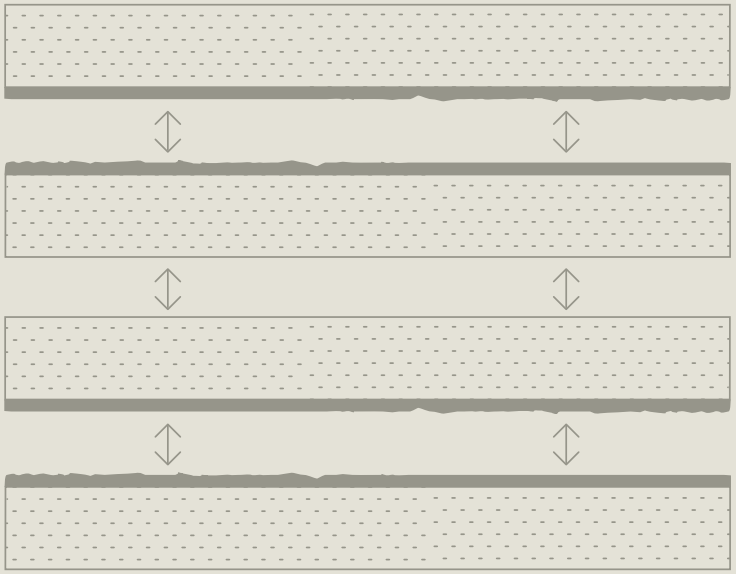
Sandpaper

Straight edge

Installation & User Guide

Storage and handling

Millboard should always be stored on a flat surface or level bearers a maximum of 400mm apart and stacked face-to-face, not back-to-face. Be careful not to drag the Millboard off the pallet or over each other, as this could cause abrasion or marking on the surface, and only move the pallet if the Millboard is safely strapped to it. Wear gloves and long sleeves when handling Millboard and take care when lifting the boards – Millboard is solid rather than hollow. We recommend that two people carry the boards.



Boards should be stacked face-to-face and back-to-back

Colour

To recreate the appearance of natural products, we intentionally add secondary toning colours. There may be variance within the same board or from board to board in colour tone. This means that samples cut from boards may vary from the general colour of the boarding.

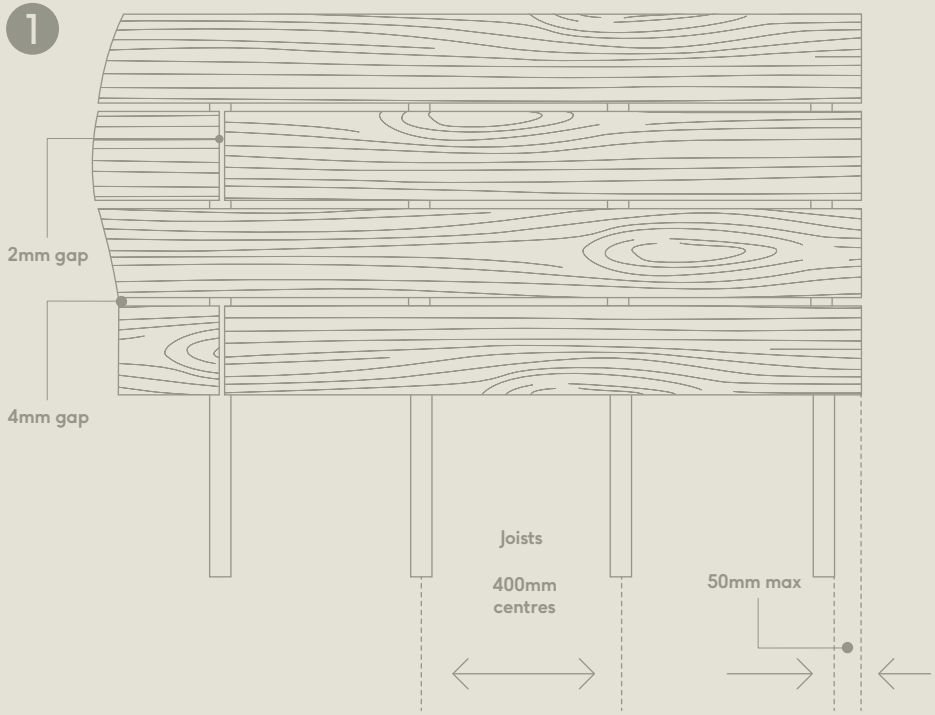
Whilst every care is taken to ensure consistency some colour variation from batch to batch may occur. To avoid this, we recommend that you order all you need in one delivery. If you do have different batches it is best to mix the batches to blend the colours. As with all things constantly exposed to ultra violet light and all weathers, colours will tone slightly in time, this is normal for decking. On delivery if you find the colour unacceptable or believe them to be defective in any way, do not install the boards and instead contact Millboard.

Colour tone may vary from batch to batch

Joist spacing

Joist spacing of 400mm between joist centres is recommended for normal residential and light commercial use ❶. On heavy commercial, bridges, balconies, moorings, doorways and steps, use 300mm between joist centres. If you need to cut Millboard down along the length, then reduce the joist centres accordingly. A minimum of three joists is required for any cut boards.

1

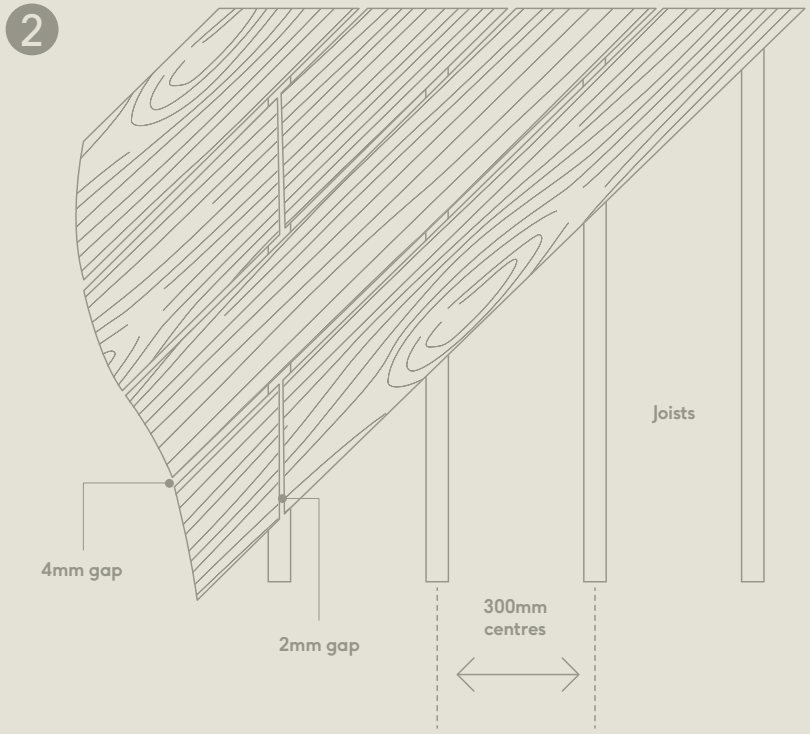


❷ For laying 45° to the joist, reduce the joist centres to 300mm for residential and 240mm for commercial use.

Always leave a 10mm expansion gap between ends of bearers and joists.

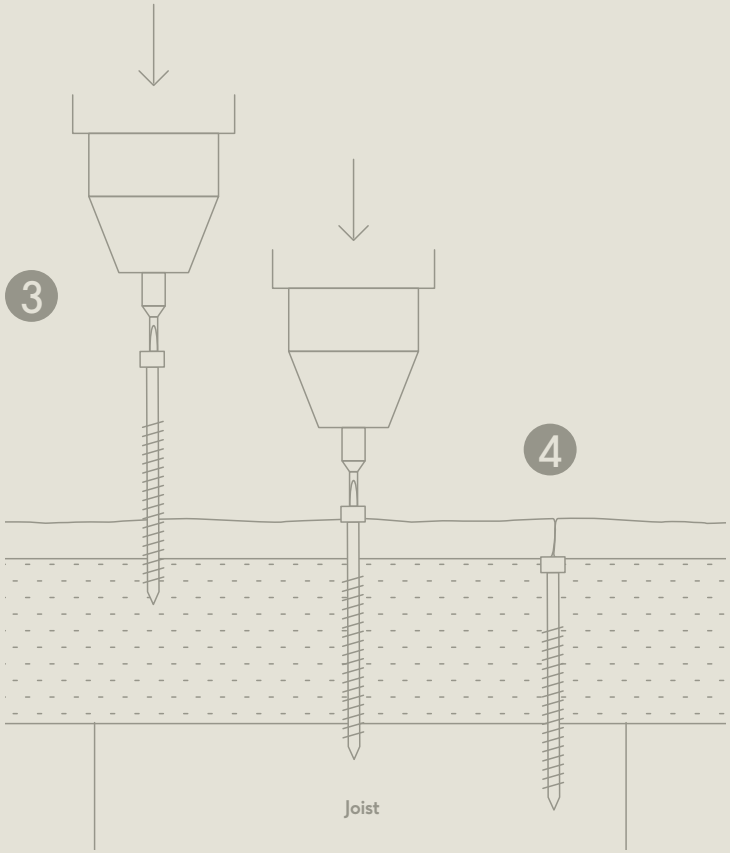
To install Plas-Pro frame solutions, drill the fixing holes oversize to allow the material to expand. Posts should always have a minimal of a third of their length in the ground, subject to a minimum of 400mm in the ground. Cuts must always be positioned over joists.

2



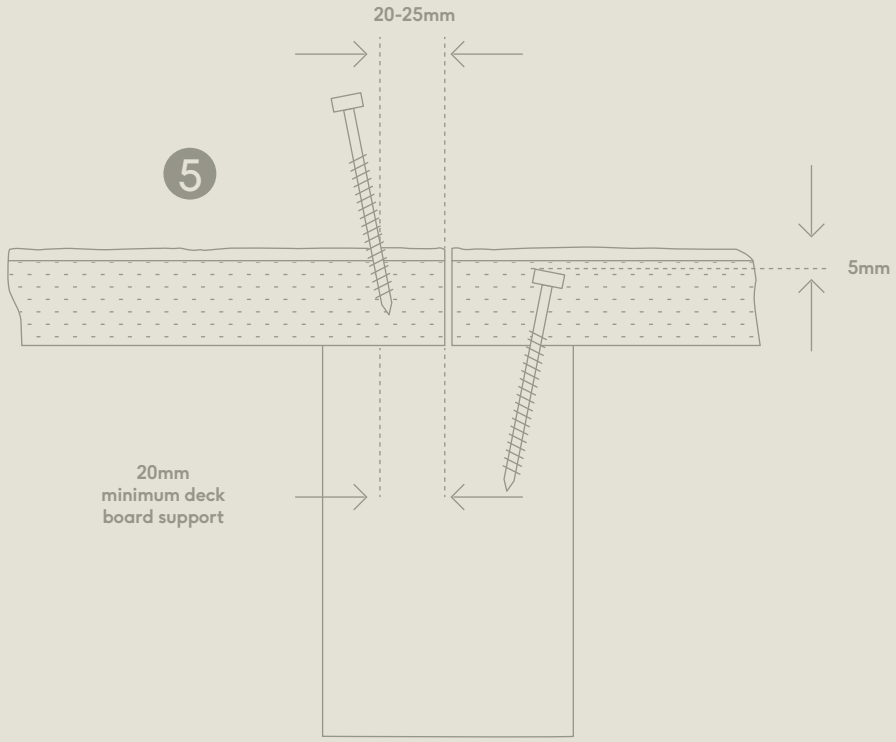
Fastening to substructure

Millboard Durafix stainless steel fixings mean that there's no need to pre-drill or countersink, just screw straight in. When fixing in, push down, start the driver slowly and speed up; then slow down when driving the head of the screw through the Lastane® ❸. Stop the screw about 5mm below the surface ❹. This should leave a small, virtually indistinguishable hole. Failure to use our Durafix Fixings or not fitting according to these guidelines may invalidate the warranty.



Two fixings per board should be used where the board crosses a joist. We advise to use three at the ends of the boards on shorter lengths. The fixings at the ends of the boards should be fixed at a slight angle to prevent being too close to the end of the board ❺, positioning the screws 20–25mm from the ends and 30mm from the sides of the boards. Board ends should be supported by a minimum of 20mm.

As the boards are dimensionally stable, they can be fitted with only 4mm spacing and 2mm gap at the ends of the boards. Boards may have a +/- 2% dimensional variance. Best practice is to fix the boards at one end, then a fixing in the middle adjusting spacing as necessary, then the far end. Then fix to the remaining joists. We recommend working to a string line.



Cutting the Millboard

Millboard can be cut with standard saw blades, although we recommend a carbon-tipped, multi-purpose chop saw. As the formed end of the Millboard is lost when cut, these can be placed in less visible areas against a wall or edging profile. A light sand with sandpaper may be needed to clean the end. Use our Touch-up Coating to match and blend in the exposed ends. Dispose of off-cuts as general waste, don't burn them. When cutting the Millboard, wear a standard PPE dust mask, safety glasses, long sleeves and protective gloves. A dust bag must be used on chop saws. Make sure that the Millboard is adequately supported when cutting.

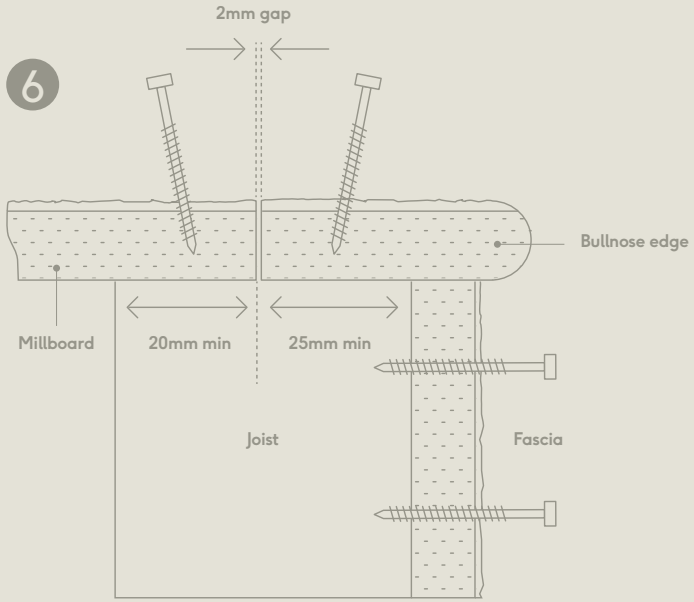
Taking care

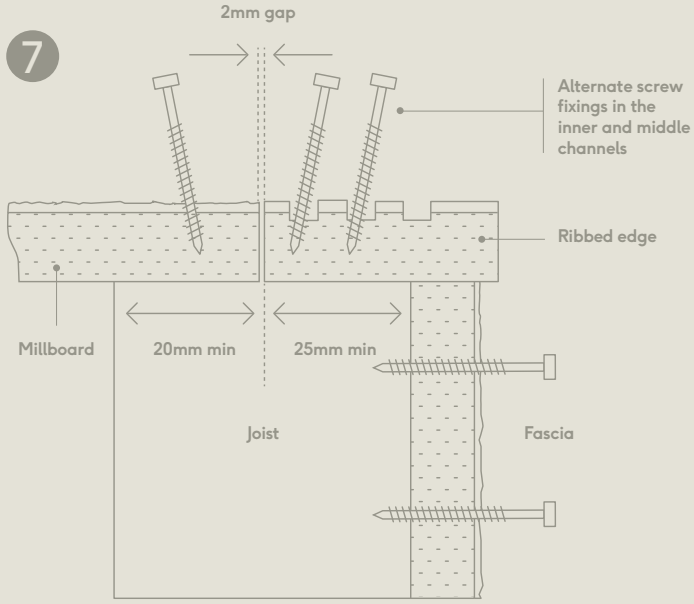
If the Millboard picks up marks during installation simply wash with hot, soapy water and a firm broom straightaway. To remove any cement and lime-based stains, we recommend using Geocel Brick & Mortar Cleaner. Test a small area first and follow the mixing instructions, leaving for five minutes before washing off with soapy water.

Fascia boards, steps and edges

We recommend that our purpose-made Edging be fitted to all steps and perimeters of the deck. It's coated with extra Lastane® for added resilience on these areas, helping prevent excessive wear. Edging is available in either a Bullnose ❻ or Ribbed profile ❼. Ensure that the edging is supported on a joist by a minimum of 25mm. We recommend trimming the ends to butt tightly when fitting both edging and fascias. For the best visual effect, stagger the edging and fascia joints so that they're not in line – this creates a subtler look.

We also manufacture both styles of edgings and fascia in a flexible material, suitable for curved designs. Flexible Edging can be curved to follow a maximum convex diameter of 3 metres. These flexible profiles need to be at least room temperature (c.20°C), then bent gently. Standard fascia will bend up to 3m convex diameter but use the ultra flexible for tighter curves. When fixing, start from the end and work along, fixing at 300mm intervals as you go. This material doesn't conceal the fixings, leaving some fixing heads partially visible.



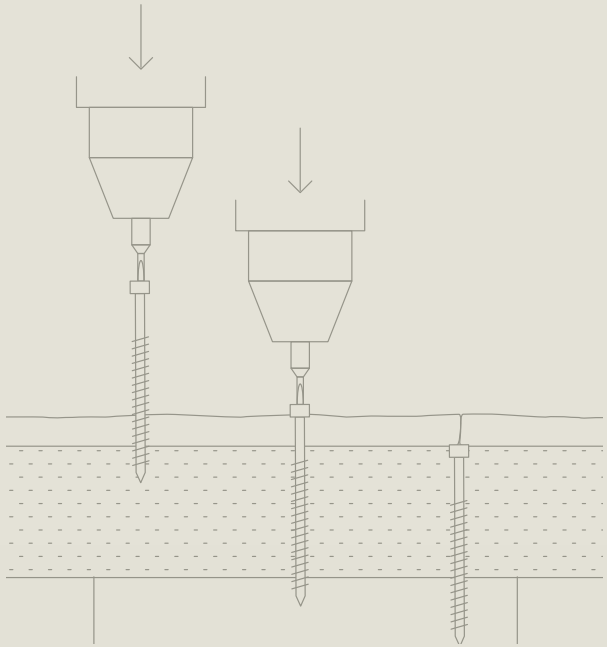


Durafix Fixings

Our unique, hidden decking fixings make installing Millboard simple. There's no pre-drilling, counter sinking or clip fixings needed – all you need to do is screw them in. Once they're in, the Lastane® coating material on every Millboard simply flexes back over the fixing, leaving a virtually indistinguishable mark and creating a cleaner finish. Made from stainless steel, the screws have a self-cutting tip, six-point Torx head and are waxed for ease of use. And the drill bits are even included in the box.

Durafix
A2 Stainless Steel
Code: FT70P350
4.5 x 70mm
350 per pack
Include FREE
T15 drive bit

Durafix
A2 Stainless Steel
Code: FT50P500
4.0 x 50mm
500 per pack
Include FREE
T10 drive bit



Pedestals

Our adjustable pedestals are ideal for podium decks and terraces. Their smart design allows pipe work and services to be laid beneath Millboard, while also improving breathability and preventing rot. The weight of the joists is spread evenly, creating a sturdy support, and they're available in incremental adjustable sizes up to 300mm tall, giving you complete control of the height of the area.

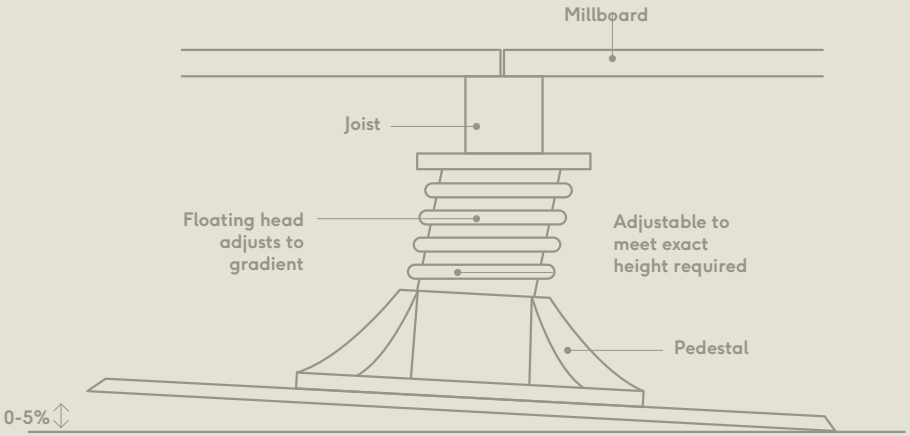
Adjustable 'fixed head' pedestals

22-30mm	Code: PPA030J
28-37mm	Code: PPA037J

commercial spacing	**domestic spacing**
6.5 per m² (every 400mm)	4.5 per m² (every 600mm)

Adjustable 'self levelling head'pedestals

40-56mm	Code: PPA056
50-70mm	Code: PPA070
70-110mm	Code: PPA110
110-160mm	Code: PPA160
150-210mm	Code: PPA210
200-300mm	Code: PPA300



Joist shoes

Our rubber joist shoes are the ideal foundation when laying Millboard on hard surfaces. The joist shoes also have an acoustic benefit to help reduce sound transfer. Quick and easy to install with optional height adjusting levellers.

Commercial spacing
6.5 per m² (every 400mm)

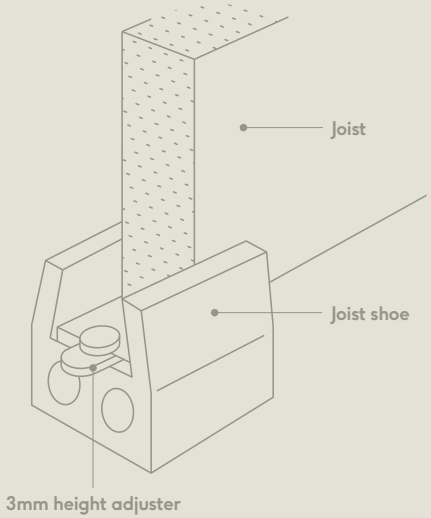
Domestic spacing
4.5 per m² (every 600mm)

Joist Shoes

10mm	Code: PJ10
38mm	Code: PJ38

Support Spacer

3mm	Code: PJ03



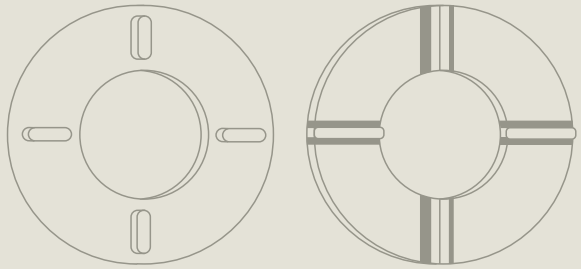
Ring supports

Millboard ring supports are designed for use in low height areas, creating airflow and protecting the roof membrane, while allowing water to flow off easily and prevent pooling.

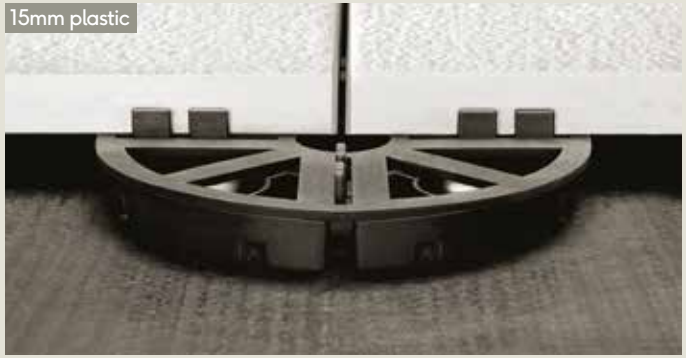
Ring supports

Ø120 x 9mm rubber	Code: PPR09
15mm plastic ring	Code: PPR15
3mm support spacer for ring	Code: PPR03

9mm rubber



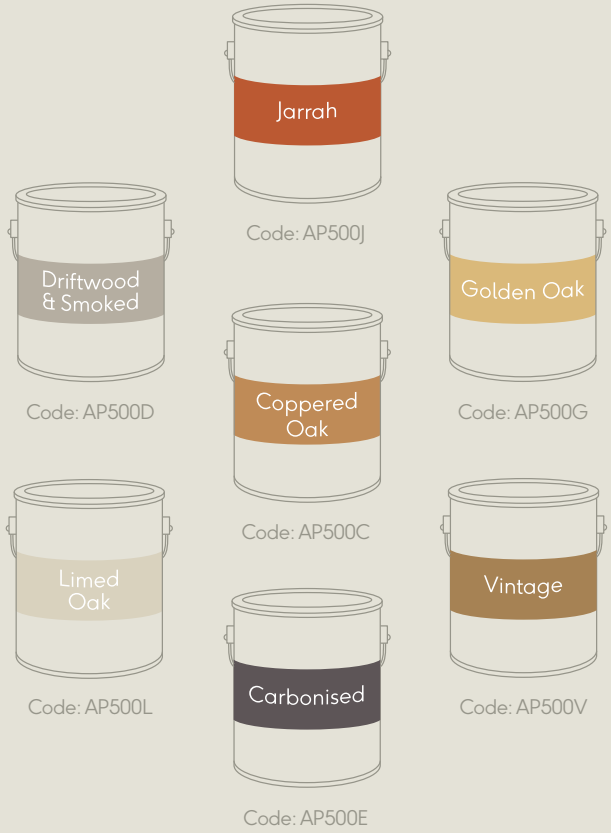
15mm plastic



Touch up coating

Perfect for blending in cut ends, our touch-up coatings are available in a range of seven colours to match your Millboard.

500ml tin



After Care

Now that your Millboard is installed, make sure you get the most of out it with our handy tips on aftercare.

Factory sealed

Millboards are surface sealed in the factory to ensure they arrive in premium condition. In the first few weeks of use, rainwater will sit on the surface in globules, but don't worry – this is normal and will stop once the temporary surface seal breaks down.

Winter ice and snow

A small amount of granulated white salt can be used to keep your Millboard ice-free. Please don't use rock salt, as this contains clay and grit and can be abrasive. When winter's over, clean the surface with soapy water and a soft broom.

Marking

The Lastane® finish is highly resistant to scratches and food and drink stains, and everyday wear and tear. Sharp objects such as unprotected table or chair legs, spiked shoes or metal planter bases can leave marks if dragged across the surface, so take care when moving these items around.

Cleaning

Because Millboard is made of non-porous composite, it resists mossy build-up and stains, so needs very little maintenance. To remove spills and marks, simply use a mild detergent and a cloth. Just steer clear of solvents, chemicals and abrasive cleaners that could damage your Millboard – and there's normally no need for pressure washing.

Live.
Life.
Outside.™

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