

millboard®

Live.Life.Outside.



The Envello Collection



◀ **Envello**
Shadow Line
Golden Oak

Crafted to be perfectly imperfect
Envello cladding is hand-coloured to enhance its realistic appearance.



◀ **Envello**
Board & Batten
Antique Oak

■ **Cover image:**

Envello
Board & Batten
Golden Oak

Enhanced Grain
Golden Oak - Decking

For further information on Millboard fire ratings please contact us on 024 7643 9943 or millboard.co.uk/envello

Envello Cladding

Envello cladding has been hand-moulded from carefully selected natural timbers and hand-coloured by our master craftsmen. Envello provides an unmistakably organic look that only requires an occasional clean to preserve its beauty.

From the clean finish of the Shadow Line to the profiled grain variance of the Board & Batten, there's an Envello Cladding option for every property type. Years of development means this product is designed to stand the test of time.

The boards lock together with a specially designed tongue and groove for added rigidity and increased installation speed. The tongue and groove has been profiled with a relief angle to allow the boards to curve when used vertically, as well as limiting the passage of air and water through the system. The tongue of the board features a notch which the fixings are aligned with, the next board then covers over the fixing creating a clean finish. The distinctive chamfered cut of the profiles also enables the rain to naturally clean the boards, reducing the need for manual cleaning or treatment.

Our newest innovation to this range is Shadow Line⁺, almost identical in looks to the popular Shadow Line but with increased properties and carries a fire rating of Euroclass D (BS EN 13501-1).

Both profile of boards can be installed horizontally or vertically, depending on the nature of the design.



Hand moulded and coloured
Skilfully moulded by hand and authentically coloured, replicating timber in the most realistic way.



Moisture resistant
Due to Envello's non-porous composition, no sealing is required, unlike other available products.



UV stability
UV stabilised for better performance and fade resistance over time.



Increased thermal performance
The unique composition helps to enhance the thermal performance of buildings in both winter and summer.



Impact and weather resistant
A durable coating and elastomeric surface ensures increased resilience against hail and natural weathering.



Easy to install
No specialist tools required, Envello can be cut and installed in the same way as traditional timber.



Wood free
Envello is solid, not hollow, making it strong. This means it will not rot or warp like timber.



Fire rated system (Shadow Line⁺ only)
Certified to a Euroclass D rating (BS EN 13501-1) by a UKAS accredited laboratory, when fitted in accordance with our installation guide.



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Perfectly imperfect

Each length of Millboard Envello cladding is the result of a long process of craftsmanship and attention to visual detail. Just like the specially selected Oak timbers used to create the unique moulds, the fine details and natural imperfections in the original timber has been recreated to be highly durable.

From the initial laying of the elastomeric surface, right through to the pouring of the fibre-reinforced resin mineral, we focus on achieving the quality of finish, reflecting the true random and natural characteristics of the original timber. Our passion is to accurately reproduce the original whilst adding to the benefits of our unique board technology, this is why many of our processes are carried out manually. For example, each piece is hand coloured to establish the authentic wood finish our boards are renowned for.

Tough
The unique surface layer is more resistant to scratches and is designed to better withstand demanding outdoor environments.

Enduring
The dual-tone surface layer is hand coloured using pigments designed to improve resistance to sun damage and fading.

Beautiful
Each length is hand moulded using specially selected timber masters for an unrivalled organic wood-grain appearance in a composite material.

Fire rated
Shadow Line⁺ is fire rated to Euroclass D (BS EN 13501-1) for added assurance and quality. Fire rating **does not** apply to Shadow Line or Board & Batten.

Wood free
Millboard cladding is wood-free and non-porous which, in comparison to timber, means there's no leaching or releasing of tannins to other surfaces.

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

Lightweight
Our unique closed 'cellular' internal structure reduces weight while maintaining strength and increasing thermal performance.

Durable
Millboard Envello will not split, rot or harbour insects like timber does



▶ **Envello**
Shadow Line
Antique Oak



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Envello Shadow Line

The grooved profile created between boards gives visual definition to the individual grain patterns

The Shadow Line board has been designed to perfectly replicate smooth timber with a flat grained finish, giving a clean authentic look. The increased width of the Shadow Line board compared to standard timber boards means that there is larger grain detail. This gives an enhanced visual impact, without the risk of the board twisting or warping over time. The Shadow Line board has been profiled with oblique angles to prevent water collecting between two profiles, as well as helping rain water wash over the face of the cladding. The indent created between boards gives visual definition to the individual grain patterns.

new

Envello Shadow Line⁺

An advanced offering over the standard Shadow Line, to provide a fire rated cladding system

Shadow Line⁺ has been developed to look almost identical to our standard Shadow Line boards shown throughout this brochure, but with enhanced properties and a fire classification. Tested to the rigorous demands of BS EN 13501-1, the Shadow Line⁺ system achieves a classification of Euroclass D.

The fire rating also includes the accessory items through a full system build-up, including the Reveal boards, Corner profiles and fixings. The formulation of the Shadow Line⁺ still continues the unique overall Millboard composition of a resin mineral mix, however has now been specially formulated to achieve the fire rating.



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▶ Envello
Shadow Line
Burnt Cedar

Like wood, no two Millboard Envello boards are the same colour, with the subtle differences giving the most natural appearance. This is to give your cladding all the good looks of timber, but with none of the maintenance drawbacks associated with it.





Colour options - Shadow Line/Shadow Line+

	Shadow Line	Shadow Line+	
Golden Oak ▶ Shadow Line MCG360G			◀ Golden Oak Shadow Line+ MCL360G
Antique Oak ▶ Shadow Line MCG360A			◀ Antique Oak Shadow Line+ MCL360A
Smoked Oak ▶ Shadow Line MCG360D			◀ Smoked Oak Shadow Line+ MCL360D
Burnt Cedar ▶ Shadow Line MCG360R			◀ Burnt Cedar Shadow Line+ MCL360R
Available in Shadow Line+ only			◀ Limed Oak Shadow Line+ MCL360L

Shadow Line+ is also now available in our lightest colour, Limed Oak. A highly requested addition to the range, 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 finish, whatever the brief.



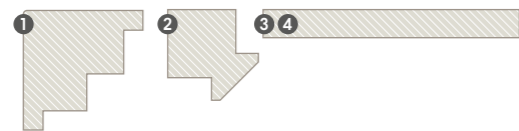
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▲ Envello
Shadow Line
Antique Oak

Envello Shadow Line and Shadow Line⁺

Cross sections



- 1 External Corner Profile
- 2 Internal Corner Profile
- 3 Fascia Boards (Shadow Line)
- 4 Reveal Boards (Shadow Line⁺)

Board dimensions

Length:	3600mm
Width:	200mm
Thickness:	18mm
Installed Width:	181mm (19mm overlap)
Boards per m ² :	1.53 boards*

*When installed



▲ Envello
Shadow Line
Smoked Oak

Corner Profiles and Fascia/Reveal Boards add distinction to corners of buildings, window and door reveals, soffits and much more. Our trims are specially selected to fit our profile, for a cleaner look and a faster, easier install.



5mm
5

▲ Envello
Shadow Line⁺
Smoked Oak and Coloured Head Screws



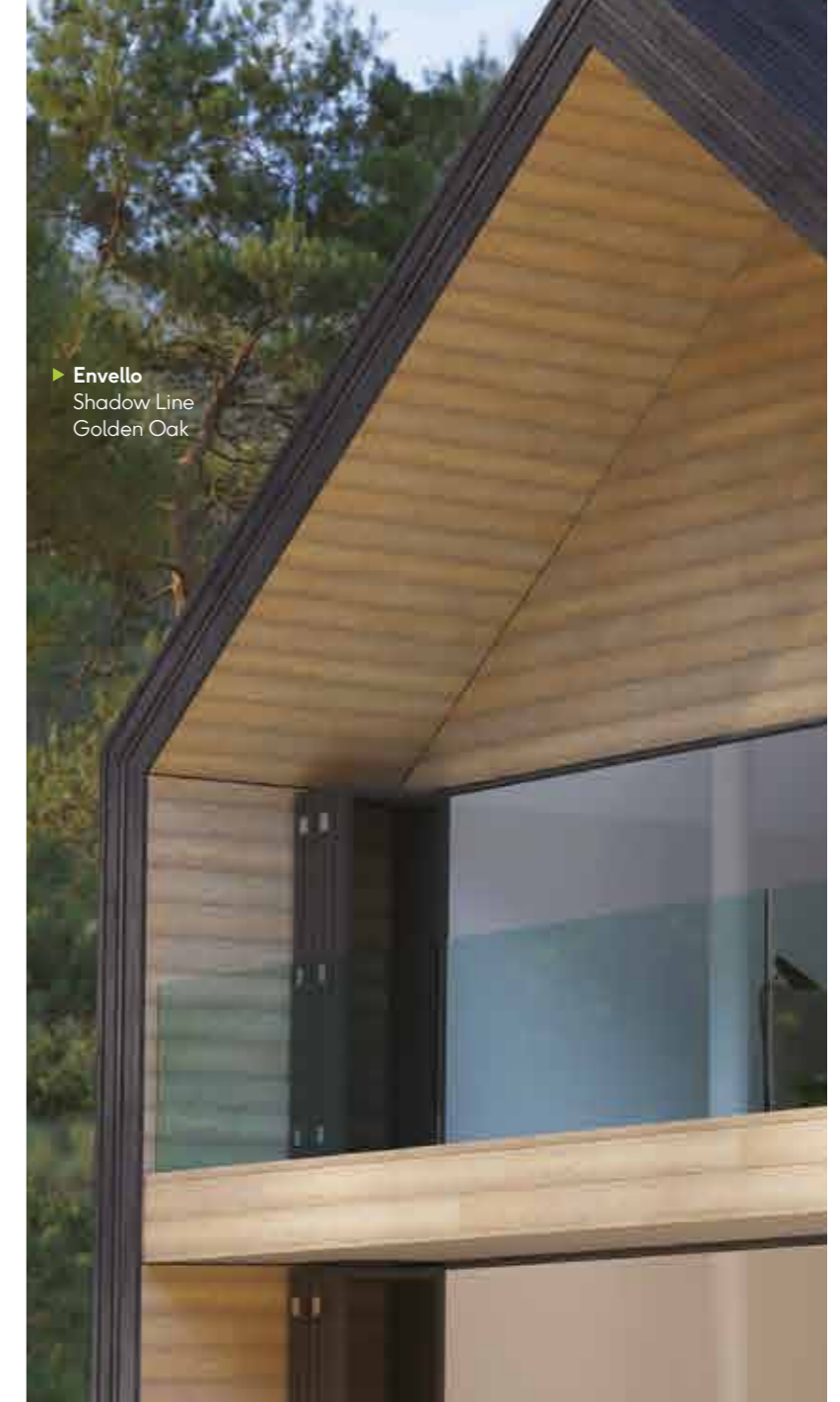
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► Envello
Shadow Line
Burnt Cedar

The stunning grain patterns of Envello cladding magically elevate the colour of each board to look lighter or darker, depending on the angle you are viewing them from.



► Envello
Shadow Line
Golden Oak



► Envello
Shadow Line
Burnt Cedar



◀ **Envello**
Board & Batten
Burnt Cedar
and
Shadow Line
Smoked Oak

◀ **Millboard Decking**
Enhanced Grain
Smoked Oak

Envello Board & Batten

A truly unique balance for both contemporary and traditional designs

Our Board & Batten collection has been moulded from individual pieces of timber with a range of different masters, creating a truly unique balance for both contemporary and traditional designs. With a tongue and groove profile that only requires fixings through the tongue, the install time is dramatically reduced compared to the traditional method of timber batten-on-board cladding. The profiles on the Board & Batten are designed with differing angles to create shadow definition between the grain patterns, as well as facilitating drainage when used horizontally.

▼ **Antique Oak**
MCB360A

▼ **Golden Oak**
MCB360G

▼ **Burnt Cedar**
MCB360R

▼ **Smoked Oak**
MCB360D



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Envello Board & Batten

Cross sections



Cladding Board



Square corner trim

Fascia board

Board dimensions

Length:	3600mm
Width:	200mm
Thickness:	26mm
Installed Width:	181mm (19mm overlap)
Boards per m ² :	1.53 boards*

*When installed

▼ Envello
Board & Batten
Smoked Oak



Add a finishing touch to your Envello cladding project. Our specially designed wood-look edging trims provide a seamless continuation to any corner, making your whole project come together.



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► Envello
Board & Batten
Burnt Cedar

► Millboard Decking
Enhanced Grain
Antique Oak



► Envello
Board & Batten
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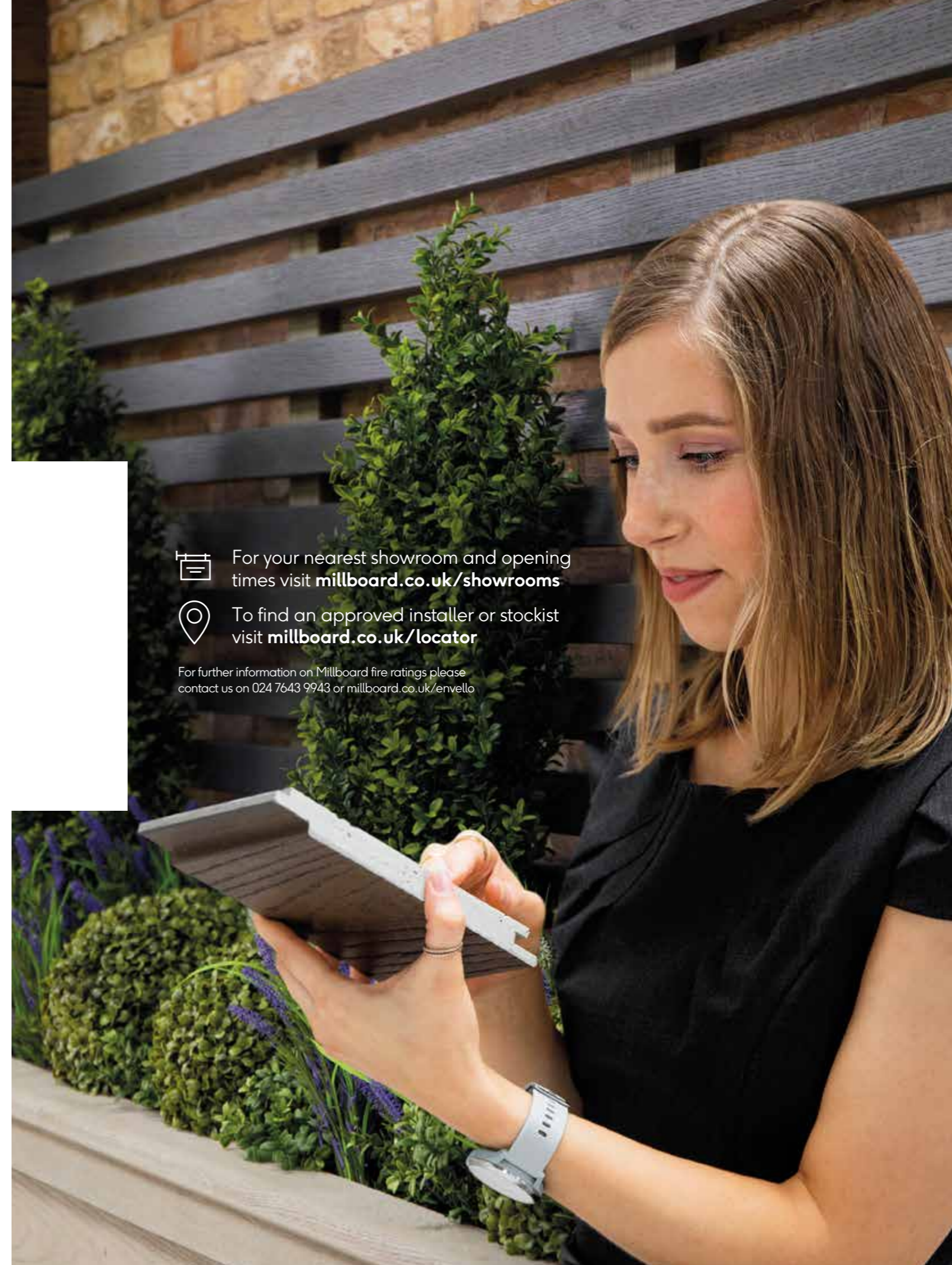


Millboard Showroom ▶
London Design Hub
Goswell Road, EC1V 7EN

Millboard showrooms

Visit one of our selected showrooms to experience the true beauty of Millboard decking and cladding and witness the endless design possibilities that you can achieve with Millboard products. Each showroom includes striking displays of the many creative ways in which Millboard can be used – both innovative laying styles and alternative uses.

Millboard Showroom ▶
Midlands Design Hub
Bodmin Road, CV2 5DB



For your nearest showroom and opening times visit millboard.co.uk/showrooms



To find an approved installer or stockist visit millboard.co.uk/locator

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