

# Millboard Edging

Jarrah - MEUN32J / MEBF50J

Brushed Basalt - MEUN32B / MEBF50B

Coppered Oak - MEUN32C / MEBF50C

Limed Oak - MEUN32L / MEBF50L

Golden Oak - MEUN32G / MEBF50G

Vintage Oak - MEUN32V / MEBF50V

Antique Oak - MEUN32A / MEBF50A

Driftwood/Smoked Oak - MEUN32D / MEBF50D

Embered/Burnt Cedar - MEUN32R / MEBF50R

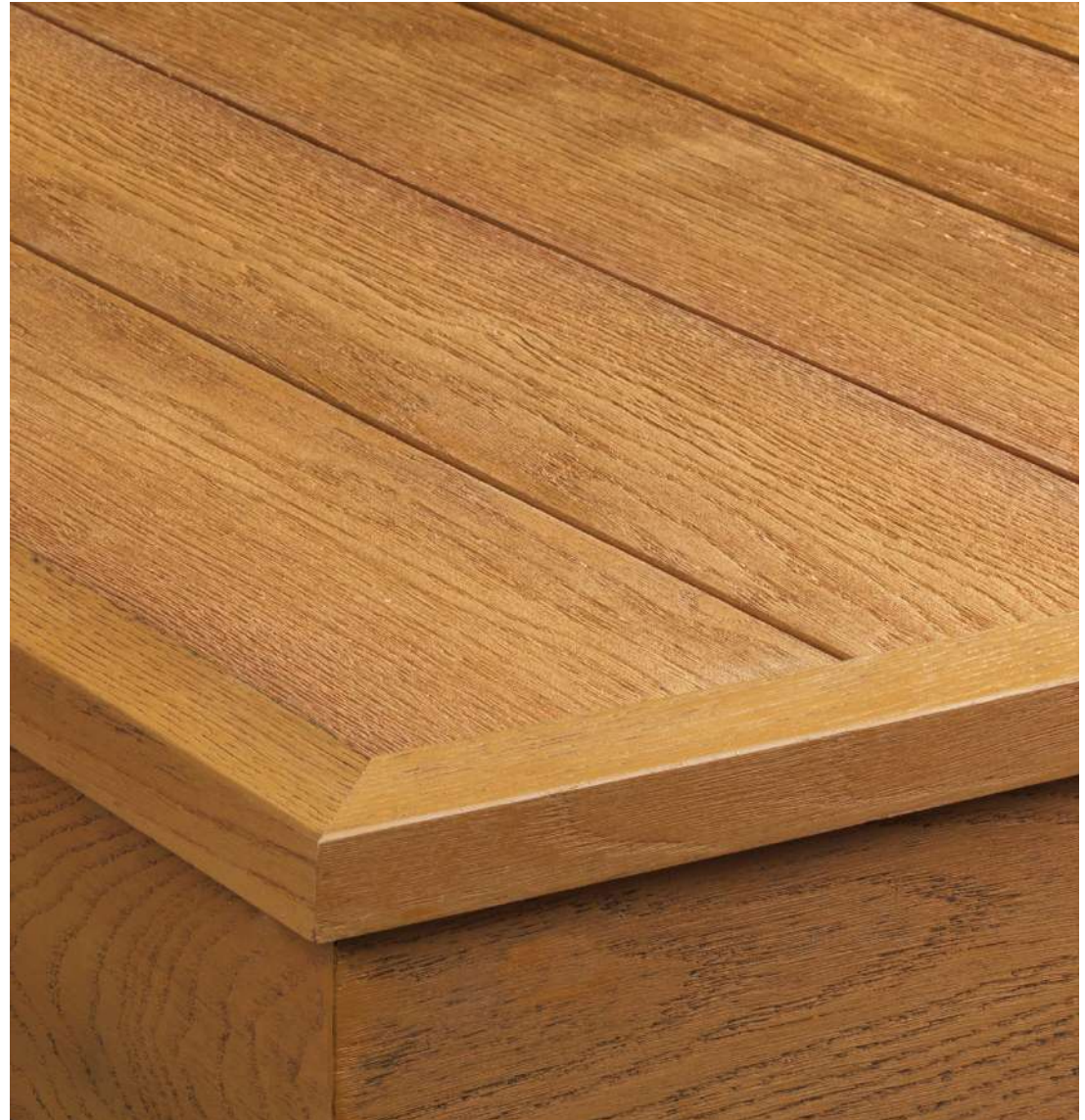
## Bullnose Flexible Edging Weights and Measures

|                        |                  |
|------------------------|------------------|
| Dimensions (W x D x H) | 50 x 2400 x 33mm |
| Weight Per Edging      | 4.0kg            |

## Square Edging Weights and Measures

|                        |                  |
|------------------------|------------------|
| Dimensions (W x D x H) | 50 x 3200 x 33mm |
| Weight Per Edging      | 2.9kg            |

The information in this document was correct at the time of going to print, due to our culture of continuous improvement we reserve the right to change the information at any time without prior notice should further tests reveal different results.



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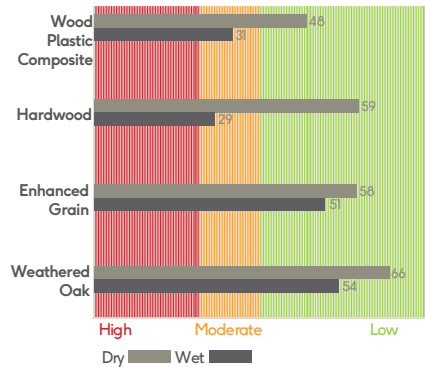
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## Millboard Polyurethane Profile

Polyurethane Resin & Mineral Board (RMB)

### Pendulum Test Values



**Does not warp or rot.** No timber content that will rot or can be eaten by insects



**Low maintenance.** No Stains from food and drink spills, no algal growth. No painting required



**Environmentally friendly.** Base Materials have low impact on global warming and ozone depletion



**Splinter-free.** No real wood content so no splinter



**Dimensional stability.** Very minimal movement in the boards



**Resistant to algae.** Unlike wood there is no protein content to assist algal growth



**Slip resistant.** High grip surface much safer than wood especially in the wet



**UV & weathering stability.** Tested in all weathers at temperatures from -20° to 70°



**Moulded from real oak.** Not extruded like plastics. Looks like natural oak



**Stain Resistant.** Non porous, so will not absorb, drink, food, fats etc.



**Lost Head fixing** using Durafix stainless steel trimhead screws



**Low carbon footprint**

## Working specification for all decking boards

Polyurethane Resin & Mineral Board (RMB)

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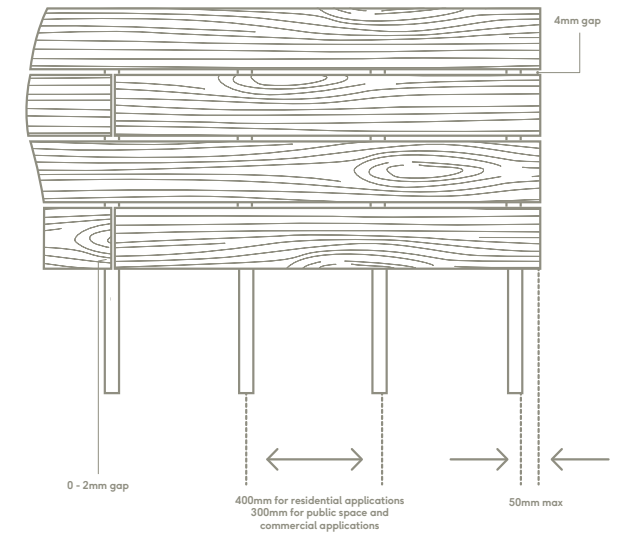
For all applications we recommend our boards are installed with a 4mm gap between the boards and a 2mm gap at butt ends, this is to facilitate drainage. The maximum unsupported overhang for the boards is 50mm, each cut board must be supported by a minimum of three joists. Each board must be screwed down with 2x Durafix fixings where a board crosses a joist, 3x Durafix fixings are recommended at the ends of the boards.

#### Residential applications (1.5kN/m<sup>2</sup> uniform distributed load):

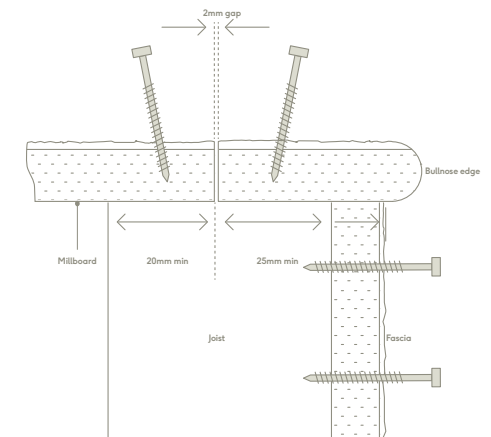
Joists must support boards at 400mm centres if boards are at 90° to joists, if boards are at 45° then joists needs to be set at 300mm centres

#### Commercial applications (4kN/m<sup>2</sup> uniform distributed load):

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.



For the edging we recommend this is supported by a minimum of 25mm by a joist, this joist would need to run the whole way along it's length. The edging would then need to be fixed with Durafix fixings every 300mm along its length.



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## Technical Data

| Physical & Mechanical Properties  | Test Standard   | Unit     | Value/Results |
|---|-----------------|----------|---------------|
| Line Load Bearing Test - Peak Load (180mm width, 300mm span centres)        | BS EN ISO 14125 | kN       | 9.32          |
| Line Load Bearing Test - Peak Load (200mm width, 300mm span centres)        | BS EN ISO 14125 | kN       | 8.34          |
| Line Load Bearing Test - Peak Load (180mm width, 400mm span centres)        | BS EN ISO 14125 | kN       | 6.56          |
| Line Load Bearing Test - Peak Load (200mm width, 400mm span centres)        | BS EN ISO 14125 | kN       | 6.64          |
| Line Load Bearing Test - Peak Deflection (180mm width, 300mm span centres)  | BS EN ISO 14125 | mm       | 10.75         |
| Line Load Bearing Test - Peak Deflection (200mm width, 300mm span centres)  | BS EN ISO 14125 | mm       | 9.39          |
| Line Load Bearing Test - Peak Deflection (180mm width, 400mm span centres)  | BS EN ISO 14125 | mm       | 14.39         |
| Line Load Bearing Test - Peak Deflection (200mm width, 400mm span centres)  | BS EN ISO 14125 | mm       | 12.36         |
| Line Load Bearing Test - Peak Stress (180mm width, 300mm span centres)      | BS EN ISO 14125 | Mpa      | 22.75         |
| Line Load Bearing Test - Peak Stress (180mm width, 400mm span centres)      | BS EN ISO 14125 | Mpa      | 18.32         |
| Line Load Bearing Test - Peak Stress (180mm width, 400mm span centres)      | BS EN ISO 14125 | Mpa      | 21.36         |
| Line Load Bearing Test - Peak Stress (200mm width, 400mm span centres)      | BS EN ISO 14125 | Mpa      | 19.46         |
| Point Load Bearing Test - Peak Load (180mm width, 300mm span centres)       | BS EN ISO 14125 | kN       | 7.14          |
| Point Load Bearing Test - Peak Load (200mm width, 300mm span centres)       | BS EN ISO 14125 | kN       | 5.78          |
| Point Load Bearing Test - Peak Load (180mm width, 400mm span centres)       | BS EN ISO 14125 | kN       | 5.52          |
| Point Load Bearing Test - Peak Load (200mm width, 400mm span centres)       | BS EN ISO 14125 | kN       | 5.65          |
| Point Load Bearing Test - Peak Deflection (180mm width, 300mm span centres) | BS EN ISO 14125 | mm       | 5.65          |
| Point Load Bearing Test - Peak Deflection (200mm width, 300mm span centres) | BS EN ISO 14125 | mm       | 11.4          |
| Point Load Bearing Test - Peak Deflection (180mm width, 400mm span centres) | BS EN ISO 14125 | mm       | 19.33         |
| Point Load Bearing Test - Peak Deflection (200mm width, 400mm span centres) | BS EN ISO 14125 | mm       | 15.37         |
| Bending Strength (Textured surface tested)                                  | BS EN 310 :1993 | fmN/mm2  | 13.3          |
| Bending Strength (Textured surface tested) after UV aging                   | BS EN 310 :1993 | fm N/mm2 | 11.4          |
| Modulus of Elasticity (Textured surface tested)                             | BS EN 310 :1993 | Em N/mm2 | 896           |
| Modulus of Elasticity (Textured surface tested) after UV aging              | BS EN 310 :1993 | Em N/mm2 | 758           |
| Resistance To Static Indentation  | MOAT 27:1983    | mm       | 0.1           |

| Physical & Mechanical Properties  | Test Standard  | Unit              | Value/Results   |
|---|--|-------------------|---|
| Soft Body Impact  | MOAT 43 :1987  | mm                | 0 (no visible damage)                                   |
| Hard Body Impact  | MOAT 43 :1987  | mm                | 0 (no visible damage)                                   |
| Impact Resistance After Aging   | BS EN 13245-1 :2010                                    | -                 | No cracking or damage to top coat                       |
| Fixing Pull Out   | BS EN 1382 :1999                                       | Fmax (N)          | 1610.8  |
| Pull Through Resistance of Fixings  | BS EN 1383 :1999                                       | Fmax (N)          | 1124.9  |
| Density   | BBA  | kg·m <sup>3</sup> | 529.75  |
| Reaction To Fire  | EN 13501-1 :2007 + A1 :2009                            | -                 | Bfl - s1  |
| Slip Resistance - WET (Weathered Oak)   | BS EN 14231  | PTV's             | 54  |
| Slip Resistance - DRY (Weathered Oak)   | BS EN 14231  | PTV's             | 66  |
| Slip Resistance - WET (Enhanced Grain)  | BS EN 14231  | PTV's             | 51  |
| Slip Resistance - DRY (Enhanced Grain)  | BS EN 14231  | PTV's             | 58  |
| Moisture Content  | BS EN 322 :1993  | (%)               | 0.6   |
| Ease of Cleaning  | BBA  | Bleach, Detergent | Completely removed, with no damage or staining          |
| Resistance to Staining  | BS EN 438-2 :2005                                      | Acetone           | No visible change                                       |
| Resistance to Staining  | BS EN 438-2 :2005                                      | Coffee            | Slight change of colour, only visible at certain angles |
| Resistance to Staining  | BS EN 438-2 :2005                                      | Sodium Hydroxide  | No visible change                                       |
| Resistance to Staining  | BS EN 438-2 :2005                                      | Hydrogen Peroxide | No visible change                                       |
| Resistance to Staining  | BS EN 438-2 :2005                                      | Shoe Polish       | No visible change                                       |
| Determination of Swelling in Thickness  | BS EN 317 :1993  | (Gt)              | 0.1%  |
| Taber Abrasion  | ISO 7784-2   | mg                | 261   |
| Tensile Strength Perpendicular to the Plane   | BS EN 319 :1993  | N/mm <sup>2</sup> | 1.53  |
| Tensile Strength Perpendicular to the Plane (After Boiling defined in BS EN 1087-1) | BS EN 319 :1993  | N/mm <sup>2</sup> | 1.31  |
| Dimensional Stability   | BS EN 318 :2002  | 65-85rh (mm/m)    | 0.47  |
| Dimensional Stability   | BS EN 318 :2002  | 65,30 mm/m        | -0.30   |
| Colour Measurement  | BS 3900 Parts D8-D10 (ISO 7724 Parts 1-3)              | D65               | Less Red/Yellow   |
| Acoustic Testing  | AS 1191.2002, AS/NZS ISO 717.1:2004, AS ISO 354 - 2006 | Rw                | 51  |

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