

millboard

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How to Quantify your Deck with Millboard

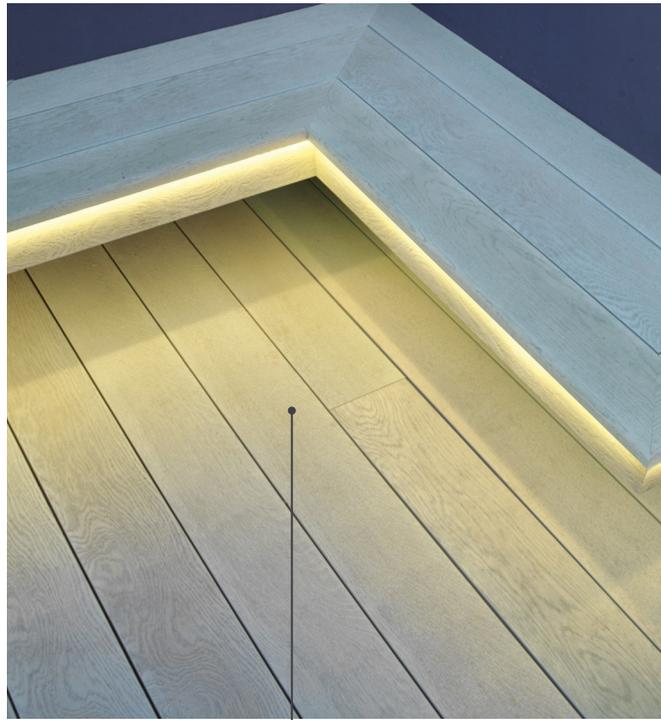
*For residential projects only.

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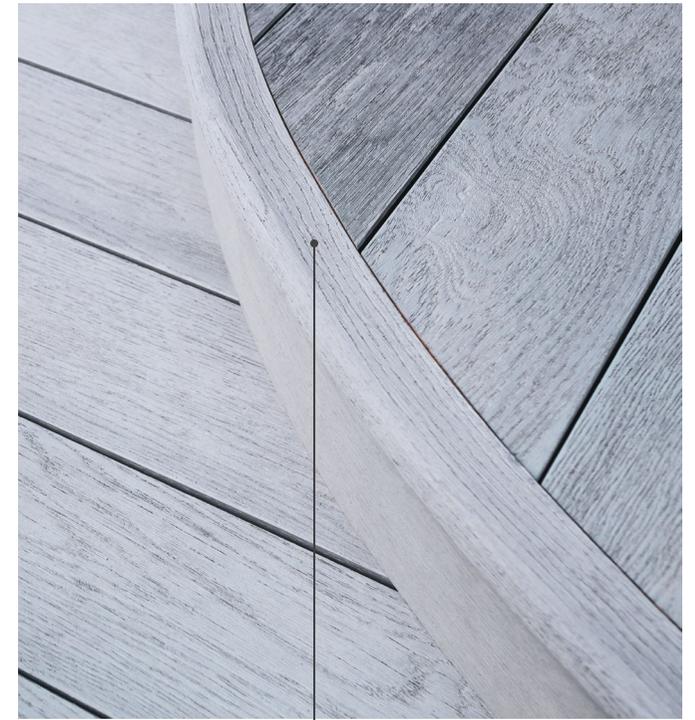
Aspects of The Deck and the recommended products to use



Fascia



Plank



Edging

Millboard decking is incredibly easy to install. Using standard tools and our ['How To Install Millboard decking'](#) video to guide you, you'll be able to construct an amazing outdoor space that will last for years to come.

Step One: Quantifying The Planks Required

Forté has two Millboard Collections to choose from: Enhanced Grain & Weathered Oak.

The plank measurements differ between these Collections - therefore your calculations will vary slightly.

It is also important to include a wastage allowance when making your calculations:

- Areas under 50m² - we recommend allowing 12.5% waste.
- Areas 50m² or more - we recommend allowing 10% waste.

*Wastage can also depend on the installation layout, (i.e., straight laid planks require less wastage than those laid diagonally)

Enhanced Grain

Plank Dimensions: W176mm x H32mm x L3.6m

1. Take m² of deck and add the required wastage allowance, please refer to notes above.
2. Multiply this amount by 1.54 (*1.54 planks are allowed per square metre of Enhanced Grain Decking).
3. Take this amount and round up to the nearest plank.

EXAMPLE:

$50\text{m}^2 + 10\% \text{ wastage} = 55\text{m}^2$
 $55\text{m}^2 \times 1.54 = 84.7$
Total planks required: 85 Lengths

Weathered Oak

Plank Dimensions: W200mm x H32mm x L3.6m

1. Take m² of deck and add the required wastage allowance, please refer to notes above.
2. Multiply this amount by 1.36 (*1.36 planks are allowed per square metre of Weathered Oak Decking).
3. Take this amount and round up to the nearest plank.

EXAMPLE:

$50\text{m}^2 + 10\% \text{ wastage} = 55\text{m}^2$
 $55\text{m}^2 \times 1.36 = 74.8$
Total planks required: 75 Lengths

All colours available

Enhanced Grain



Smoked Oak

Limed Oak

Brushed Basalt

Burnt Cedar



Golden Oak

Antique Oak

Weathered Oak



Vintage Oak

Driftwood

Embered

Step Two: Quantifying The Finishing Details

Finishing details are typically for exposed areas of your deck. We offer fascia boards for the face of the deck, and the option of either a rounded bullnose edging board or square edging board. These products complete the look of your deck but also protect the planks.

Fascia

Board Dimensions: W146mm x H16mm x L3.2m

These dimensions are for Fascia Boards in both the Enhanced Grain and Weathered Oak Collections.

1. Identify the exposed sides of your deck and calculate the total length in metres.
2. Take this total and add 10% for wastage.
3. This total is then divided by the length of one fascia board (3.2m) and rounded up to the nearest board.

EXAMPLE:

$50\text{Lm} + 10\% \text{ wastage} = 55\text{Lm}$

$55 \div 3.2 = 17.18$

Total required Boards = 18 Boards



The Edging – Bullnose or Square

Bullnose Board Dimensions: W150mm x H32mm x L3.2m

Square Edge Board Dimensions: W50mm x H32mm x L3.2m

If the areas that require edging are the same as they are for your fascia requirements, you can take the total from that calculation.

If there are other areas that may require edging, such as around a pillar or swimming pool – add this to your lineal total before adding the wastage.

1. Identify the exposed sides of your deck and any other areas that may require edging and take the total length in metres.
2. Take this total and add 10% for wastage.
3. This total is then divided by the length of one bullnose/square edge board (3.2m).

EXAMPLE:

$56\text{Lm} + 10\% \text{ wastage} = 61.6\text{Lm}$

$61.6 \div 3.2 = 19.25$

Total required Boards = 20 Boards

Step Three: Quantifying The Steps

1. Take the width of your step and divide by the length of a plank.
*This will tell you how many treads you can create from one plank.
2. To create the depth of your tread, you will require a bullnose edging board and at least one plank.
3. To create the riser of your step, you will need to a fascia board.
4. Once you have calculated how much of each product you need for one step, this can be multiplied by the number of steps you intend to have

EXAMPLE:

4 Steps 1.3m wide x 280mm tread x 190mm high

- $3.6 \div 1.3 = 2$ (one plank can create two steps)
- Bullnose Board 3.2 in length = 1 Board per step
- Fascia Board 3.2 in length = 1 Board per step
- 2 Planks, 4 Bullnose and 4 Fascia Boards required

Table 6: Design Limits for Stairs
Paragraphs 4.1.1, 4.1.4 a), 4.4.2, 4.5.1 a) and Figure 17

Stair	Maximum pitch	Maximum riser height (mm)	Minimum tread (mm)
Service, minor private	47°	220	220
Secondary private	41°	200	250
Common and main private	37°	190	280
Accessible	32°	180	310

* Please refer to the NZ building code for minimum requirements

Bullnose

Fascia

Plank



Step Four: Accessories

Durafix fixings

For use in a residential project, we offer the 60mm Durafix Screws to fix planks, fascia, and edging boards. Based on the size and purpose of the product used - the number of screws required for each product can vary.

These are sold as boxes of 250:

- 4.5 x 60mm
- Pack of 250
- Includes Drive Bit

The steps below apply to the products from both the Enhanced Grain and Weathered Oak Collections:

1. Take the number of planks (lengths) required and multiply this by 22 and keep note of this total. If you do not require fascia or edging please go straight to (3).
2. Take the number of fascia boards required and add this to the number of edging (bullnose or square) and multiply this by 20.
3. Take the total from (1) and add this to the total from (2) if required and divide by 250.
4. Round this number up and this will give you the number of boxes required.

EXAMPLE:

30 planks x 22 = 660

12 Fascia + 12 Bullnose Boards = 24 x 20 = 480

660 + 480 = 1140

1140 ÷ 250 = 4.56

5 BOXES are required.

Touch-Up Coating

Where boards have been cut or ends of planks or boards are exposed – we offer 500ml tins of Touch-Up Coating which we supply in all the colours available to correspond with your choice of decking colour from both Millboard Collections. Generally, one tin of Touch-Up Coating will be all that is required for a residential project.



Step Four: Accessories

Spacers

For ease of installation, we also recommend purchasing a pack of Millboard Multi Spacers to help evenly space each plank and board. These are available to purchase in a pack of 10. As these can be re-used while installing, only one pack would be required.



DuoFix side fixing guide

This innovative tool provides a quick and easy solution to fix the boards from the side, resulting in a clean, hidden fixing finish, keeping the face of the board completely clear of screw holes. This quality tool gives a clean look, even when used with lighter coloured boards.



Other/Alternative Uses for Millboard

The Millboard products in this guide can also be utilised in different ways to enhance your space.

In much the same way as calculating steps, you can use planks, fascia and edging to create planters, seats and much more.

Please use the previous examples in this guide to help you quantify what you would need. If you are unsure, please contact any of our friendly team members and they can help.



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