EKODECK®

Ekodeck® Batten Panel

Product Manual



No oiling, staining or sealing



UV Stabilised - Won't fade to grey



Won't splinter, cup or twist

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V2.26

Ekodeck® Batten Panel

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Ekodeck® Batten Panel

PROFILES & COLOURS

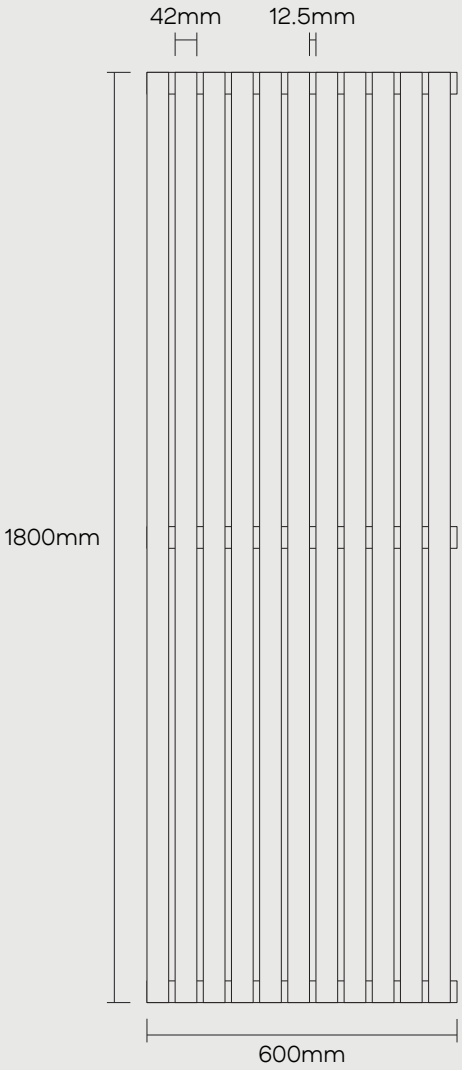
Colours



Greystone

Batten Panels

COLOUR	SIZE	ITEM NO
Greystone	1800×600mm	1022777



Ekodeck® Batten Panel

PRODUCT INFORMATION

Read this first

Being a composite product, Ekodeck® Batten Panels behave and have different characteristics to timber. To achieve a safe and long lasting Ekodeck® Batten Panel installation, it is important to read the following guide in full.

Warnings

1. Ekodeck® Batten Panels are a pre-finished product, use care when storing, handling and installing to avoid damage.
2. It is the sole responsibility of the homeowner, contractor or the installer to determine the specific requirements, effectivene suitability and safety with regard to any application or use of Ekodeck® products.
3. Ekodeck® Batten Panels are not designed to be a freestanding product. They must be installed safely and correctly to fixed posts or framework.
4. The posts or framework should comply with standard industry building practices, including all relevant regulation and aspects of the National Construction Code.
5. Ekodeck® Batten Panels should not:
    A. Be used as a structural or load bearing member.
    B. Be used in any potentially stressed situation such as a security or safety balustrade or decking.
    C. Be applied directly to a solid surface such as concrete or brick walls.
    D. Be installed in a horizontal plane, i.e. on the flat.

Safety

Always use proper protective clothing and safety equipment when cutting and drilling.

Natural variances & colour

Ekodeck® Batten Panels are made by combining reclaimed timber with a mix of new and recycled plastics. They are designed to have a variation of colour and tone from one panel/batch to another. Differences in colour between panels is to be expected.
It is recommended to purchase all materials required for your project at one time.



It is necessary to lay out your panels to ensure you have an even mix of both light and dark tones across the panels prior to cutting or installing to avoid large blocks of single tones. Panels cannot be exchanged or returned after they have been cut. If you do not accept the colour/finish of the panel, do not cut or install it.



Ekodeck® Batten Panels are subject to normal manufacturing variations and tolerances. Reasonable variances in panel dimensions are not considered a product fault and due care should be taken when installing to allow for these.

Cutting

For best results, use a sharp, new good quality timber or composite blade.

When using a drop saw we recommend a 60-80 tooth blade for cutting, depending on the size of your saw.

When using a circular saw we recommend using a fine-tooth finishing blade.

Thermal expansion & contraction

Ekodeck® expands and contracts with changes in temperature. This is normal behaviour of any wood plastic composite and is not a product fault.

It is most important to take this into consideration during installation of your Ekodeck® Castellated Panels.

The amount of expansion and contraction you experience is dependent on several factors including:

- **Climate:** Installing in the peak of summer or winter or large changes in temperature between day and night.
- **Panel position:** If the panels are in direct sun light or part shade etc.
- **Fully fastened panels:** You will notice less movement in the panels once they are fully installed/fastened to the supports.

Expansion gaps

It is important to take Thermal Expansion & Contraction into account when gapping your panels.

If installing vertically, we recommend leaving a 2mm gap between each panel at the time of installation.

If installing horizontally, we recommend leaving a 5mm gap between each panel at the time of installation.

Leave a 10mm gap when abutting a solid structure.

General installation requirements

Allow the panels to acclimatise to your site conditions. This allows your Ekodeck® Batten Panels to adapt to the ambient heat typical of your location.

Thermal deflection

Due to the nature of polymers this product may exhibit a slight thermal deflection between supports.

This can be caused by heat exposure to one side of a panel as opposed to the other.

The extent to which this occurs is dependent on several factors including climate and the direction which the panels are facing the sun.

This phenomenon is not considered a product fault.

Installation & fastening

Ekodeck® Batten Panels can be installed both vertically and horizontally.

Ekodeck® Batten Panels must be fastened to a solid post/rail at each brace:

- Use a minimum of 2 screws per brace (6 screws per panel).
- Pre-drill and fasten through solid braces only.
- Pre-drill slightly larger than screw shank to allow for thermal movement.
- Ensure head of screw clears the space between battens.
- Do not fasten through hollow battens.
- Do not nail.

Posts/rails	Recommended Screw
Timber	Stainless steel 10g x min. 65mm screws
Metal	Galvanised 10g x min. 40mm screws

Tip! Paint the heads of the screws before installation and touch up after if required.

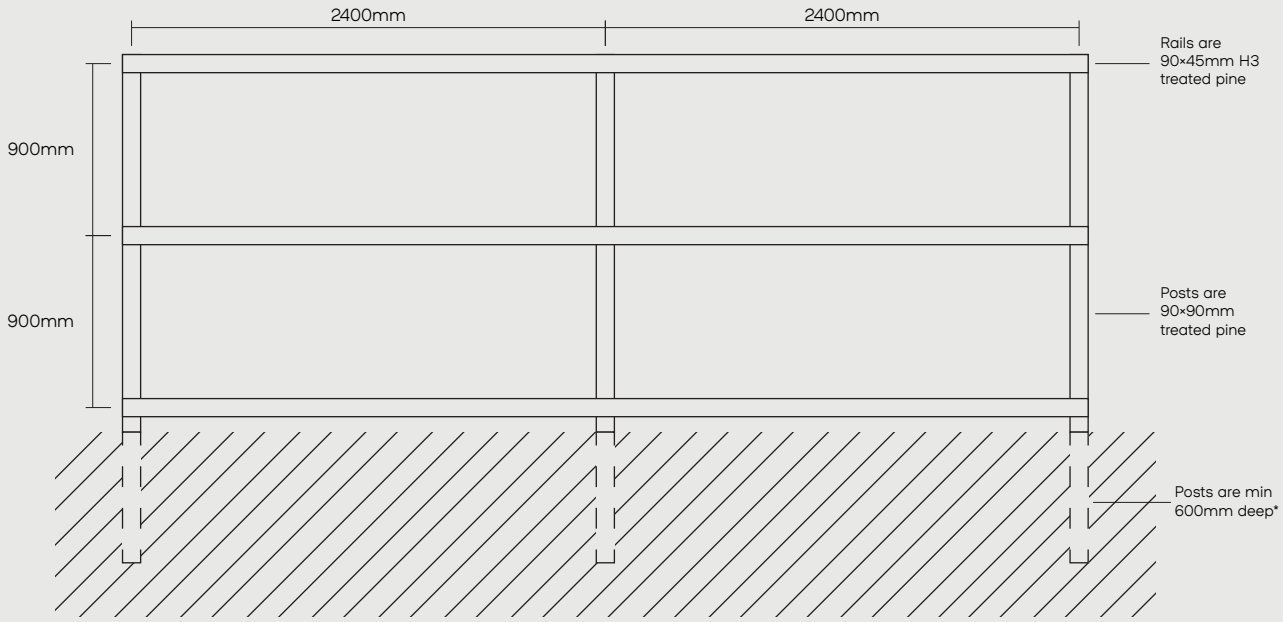
Installation requirements

Centre-to-centre post/rail spacing (max)*	900mm
Minimum ground clearance	50mm
Pre-drill	Required

Ekodeck® Batten Panel

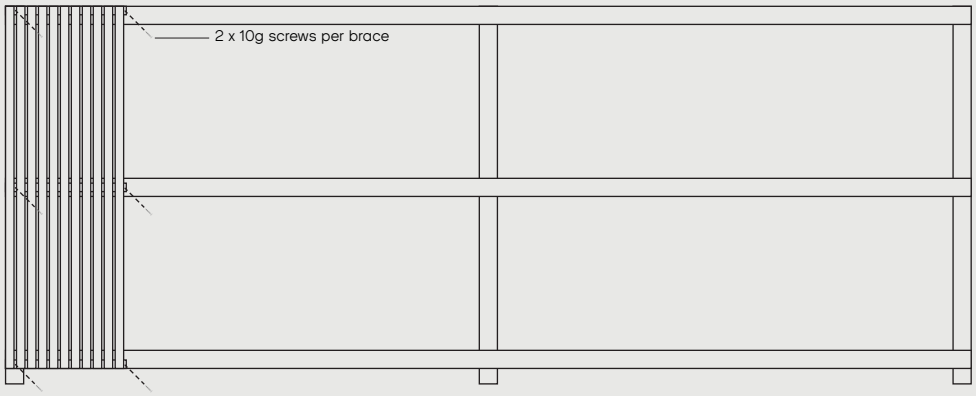
INSTALLATION

Suggested framework



*Exact depth required is determined by the National Construction Code and Building Code of Australia, so ensure that you check your specifications against the regulations.

Installation steps

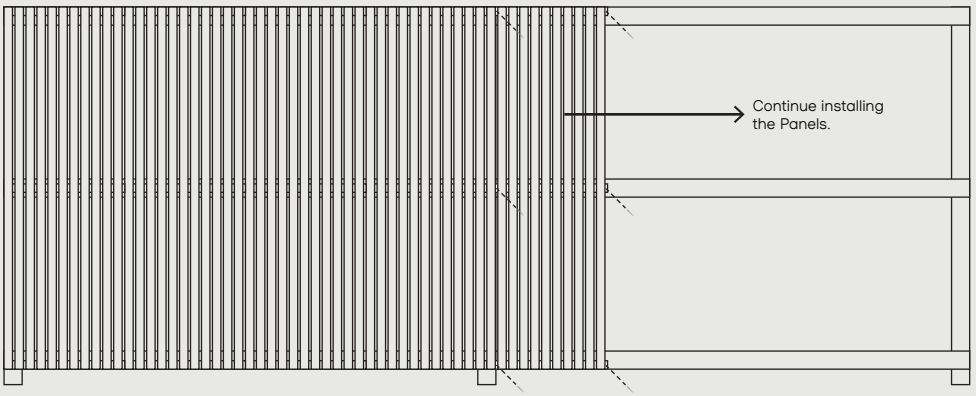


Step 1: Predrill oversized clearance holes through the solid braces between the battens.

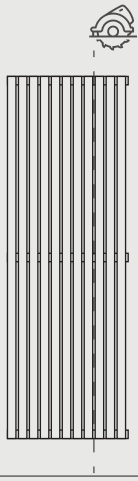
Fasten using 2 x 10g screws at each brace into the framework.

Step 2: Install the next panel in the same manner, ensuring you leave a 2mm gap between each panel to allow for expansion and contraction.

Step 3: The last Batten Panel may need to be ripped down to size to fit. This can easily be done using a circular saw with a standard timber blade.



To allow for expansion and contraction of the Panels, we recommend leaving a 2mm gap between each panel.



The last Batten Panel may need to be trimmed down to size.

Ekodeck® Batten Panel

CARE & MAINTENANCE

Overview

Ekodeck® Batten Panels are not a self cleaning product and will need to be washed down periodically.

Ekodeck® Batten Panels perform best when exposed to the elements. Rain and UV generally degrade and wash away most stains naturally.

The amount of cleaning depends on what you consider to be acceptable.

Ekodeck® Batten Panels are an outdoor product and like any external product, the level of cleaning depends on the surrounding environment and your level of tolerance to dirt.

This guide will give you some basic principles that will help you maintain the natural beauty of your Ekodeck® Batten Panels.

General Clean

A **General Clean** is essential immediately after installation to remove any surface debris from installation and periodically as you see fit:

1. Scrub the panels with warm water and dishwashing liquid using a hard-bristled brush.
2. Rinse your panels off with a garden hose.

Cleaning requirements will vary depending on product use, surrounding environment and weather exposure. We recommend a **General Clean** is performed at least annually to minimise potential surface oxidation.

Ekodeck® Batten Panels are a semi-porous product and can stain, especially if not cleaned regularly. Foreign substance stains should be cleaned immediately.