

EKODECK

Ekodeck[®] Decking

Maxiboard



No oiling, staining
or sealing



Easily repaired
by sanding



10-year
warranty

ekodeck.com.au

INSTALLATION GUIDE

Being a composite product, Ekodeck behaves and has different characteristics to timber. To achieve a safe and long lasting Ekodeck installation, it is important to read the following guide in full.

Ekodeck is a pre-finished product. Use care when storing, handling and installing to avoid damage or marking.



WARNINGS

1. It is the sole responsibility of the homeowner, contractor or the installer to determine the specific requirements, effectiveness, suitability and safety in regard to any application or use of Ekodeck products.
2. Ekodeck is not designed to be a freestanding product. It must be installed safely and correctly fixed down to a substructure.
3. The substructure must comply with all the relevant regulations and aspects of the Building Code of Australia. The substructure must be anchored to the ground on all sides including the house.

Ekodeck should not:

- Be used in a substructure application.
 - Be applied directly to a solid surface such as concrete.
 - Have a cantilever (overhang edge of an Ekodeck board) greater than 50mm.
4. Any single piece of Ekodeck must be installed over at least 2 spans (i.e. 3 joists) to keep within the structural load bearing limits of its design.
 5. Ekodeck must have sufficient gaps provided between boards and at joins and edges to allow for proper thermal movement and ventilation.

NATURAL VARIANCES & COLOUR

Ekodeck is made from reclaimed and recycled materials. Whilst every care is taken to ensure consistency of performance and quality, natural variances will occur from one board/batch to the other in appearance, colour and texture. These variances are similar with those naturally found on timber decking and are designed to blend in and even out over time.

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

Ekodeck will never fade to grey like timber when exposed to the elements. Ekodeck contains 45% natural timber fibres. When exposed to UV these fibres will slightly lose their brightness. This is a normal process for any exterior building material.

HEALTH & SAFETY

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



Use hardwood blades



Carry this side up

GAPS & SPANS

| | |
|---|-------------------------------|
| Centre-to-centre joist spacing (max) | 600mm |
| Min. ground clearance (with adequate drainage) | 40mm |
| Min. ground clearance (without adequate drainage) | 90mm |
| Min. side gap | 3mm |
| Recommended end gap | Refer to Expansion Gaps table |

*Gap distances vary depending on temperature during installation. Read section Expansion Gaps to discern appropriate gapping for your project.

CUTTING

For best results, use hardwood blades. When using a drop saw we recommend a 60-80 tooth blade for cutting.

Where possible, delay any trimming of length until all boards are fully fastened and cut at the same time to achieve a uniform appearance.

VENTILATION

When designing your deck, consideration must be given to ventilation. Avoid the tendency to box or seal the deck in completely.

THERMAL EXPANSION & CONTRACTION

Ekodeck expands and contracts in length 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.

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.
- Deck position – if the deck is in direct sunlight or part shade etc.
- Board length – the longer the board, the more it will expand.

EXPANSION GAPS

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

The below table can be used as a guide when discerning the appropriate gap (in mm) to leave at the end of your board, depending on board length and ambient temperature during installation.

| | | Ambient temperature during installaion (°C) | | | |
|------------------|------|---|----|----|----|
| | | 10 | 20 | 30 | 40 |
| Board length (m) | 1 | 3 | 2 | 2 | 2 |
| | 1.5 | 4 | 3 | 2 | 2 |
| | 2 | 4 | 4 | 2 | 2 |
| | 2.25 | 6 | 4 | 3 | 2 |
| | 2.7 | 6 | 6 | 4 | 2 |

Eg. If temperature during installation is 20°C, the recommended end gap for a 2m board is 2mm.

GENERAL INSTALLATION REQUIREMENTS

- Allow the boards to acclimatise to your site conditions. This allows your Ekodeck to adapt to the ambient heat typical of your location.
- During installation, if the board is warm to the touch or has been sitting in full sun (ie. hotter than ambient temperature) we advise to reduce the end gap.
- Ensure you leave a sufficient gap to solid structures, posts or walls to allow for expansion/contraction of Ekodeck and avoid damage to the boards or surroundings.
- Delay any edge/length trimming until after installation and trim at the same time.
- Where possible, cut your boards oversize. This will allow you more flexibility when setting your end gaps.

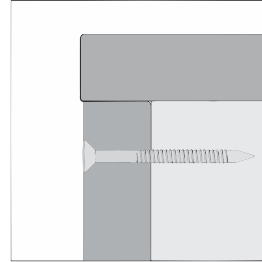
FASTENING BOARDS

- Pre-drill boards using a 6mm drill bit, a minimum of 35mm from the edge of the board.
- Countersink the board prior to fastening.
- Fasten using two 14g x 75mm stainless steel bugle-head batten screws at every joist/supporting member.

FASCIA FIXING OPTIONS

See below for how to fix your fascia board

Face-fix



CLEANING YOUR EKODECK

It is recommended to clean your deck immediately after installation and periodically as you see fit:

1. Scrub the deck with warm water and dishwashing liquid using a stiff decking brush.
2. Rinse your deck - a pressure washer is recommended.

Cleaning requirements will vary depending on product use, surrounding environment and weather exposure. We recommend a general clean is performed at least annually.

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