

ULTIM8 DECK

Bamboo Composite Deck & Screen Installation Guide

INSTALLATION GUIDE

ULTIM8® Bamboo Composite Deck is quick and easy to install. Please take the time to read the following guide to ensure long lasting enjoyment of your product before you begin installing the deck.

IMPORTANT INFORMATION

ULTIM8® recommends the use of protective clothing and safety equipment as recommended by your local, state or federal regulations. Wearing equipment to protect eyes, nose and mouth from dust particles such as safety glasses, gloves, a dust mask and long sleeves is especially important when cutting and drilling is highly recommended.



WARNING!

ULTIM8® Bamboo Composite Deck boards are heavier and more flexible than traditional timber. We recommend that lengths of decking be carried on their side edges for better support to avoid breakages. Always exercise precaution and care when lifting ULTIM8® Bamboo Composite Deck boards. Due to the length and weight of each board, we recommend that ULTIM8® Bamboo Composite Deck boards be safely handled by two people at any given time to avoid any possibility of injuries. The homeowner, contractor or installer is responsible for determining the specific requirements, effectiveness, suitability and safety in regards to any application or use of ULTIM8® Bamboo Composite Deck products. ULTIM8® Bamboo Composite Deck products must be installed correctly, ensuring compliance with all the relevant regulations and aspects of the Building Code of Australia, as well as local building codes.

Proper ventilation and air circulation underneath the ULTIM8® Bamboo Composite Deck is necessary to facilitate the evaporation of water and moisture. The recommended ground clearance is 100mm. The maximum joist spacing is 450mm. Slight colour variation of ULTIM8® Bamboo Composite Deck boards will occur in the same way natural timber does. The weathering process for ULTIM8® Bamboo Composite Deck products will vary according to exposure to different climates, sunlight and moisture. ULTIM8® Bamboo Composite Deck boards will usually achieve its fully weathered colour anytime from the first month to over 12 months, pending local conditions.

ULTIM8® DECK SHOULD NOT:

- Be used as a structural or load bearing member.
- Be directly applied to a solid surface such as concrete.
- Have a cantilever (overhang edge of an ULTIM8® Bamboo Composite Deck board) greater than 50mm. However even this cantilever is advised against as there is no structural support.

DRILLING

We recommend pre-drilling and countersinking before installing ULTIM8® Bamboo Composite Deck boards. Please ensure not to penetrate the joist while pre-drilling.

SCREWING

Screwing with stainless steel 10g or 12g x 50mm/60mm screws is the recommended method of fixing ULTIM8® Composite Deck. Pre-drill holes that are at least 0.5 mm larger than the size of the screw shank. Screws must be top fixed perpendicular (at a 90 degree angle) to the ULTIM8® Bamboo Composite Deck boards. Ensure the head of the screw rests flush with the top of ULTIM8® Composite Deck boards.

Pre-drill and screw this side up:



CUTTING

We recommend the use of carbide tipped blades and router bits or 20-grit diamond-tipped blades. When using a mitre saw, we recommend a 10"- 12" saw blade with 30 teeth or less. Saw blades with fewer teeth (18 to 24, on a 7" blade) stay cooler and last longer.

INSTALLING AND FASTENING

ULTIM8® Bamboo Composite Deck boards will expand and contract with changes in temperature as with all natural or plastic products in certain environments more than others. The ideal temperature condition for installing ULTIM8® Bamboo Composite Deck is around 24°C. We recommend you measure the full lengths before cutting the afternoon previous to installation and recheck the morning of installation as shrinkage may occur overnight. This will expand back to original length in the heat of the day. Allow for the difference when cutting in the morning if shrinkage has occurred. A minimum side-to-side gap of 6mm is required. A minimum end-to-end gap of 4mm is required based on a temperature installation of 24°C.

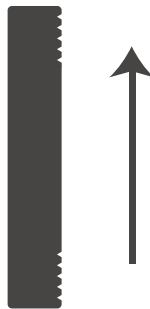
When calculating the end-to-end gap add 2mm for every 10°C difference between the highest temperature the decking will be exposed to, and the temperature at installation. For example if the highest expected temperature is 45°C but the temperature at installation is 5°C, the difference is 40°C and therefore an end-to-end gap of 8mm is required. A minimum of 6mm is required when abutting solid structures e.g. a wall. Butt joints must be staggered.

It is recommended that 45mm wide joists be used, as this will allow for fastening 15mm from the end edge of ULTIM8® Bamboo Composite Deck boards on butt joints. Additional joist support at butt joints is recommended to provide a greater fastening area and to avoid splitting the joist. ULTIM8® Bamboo Composite Deck should be fixed with 2 fasteners at every joist.

Store and fix this side up:



Carry this side up:



All information contained in this document was correct and current at the time of publishing and is subject to change

Visit the website for more information on gaps, spans and fixing specifications

Designed and tested
in Australia by:
mcx
innov8+crea8
Made in China

GAPS AND SPANS

ULTIM8® Bamboo Composite Decking Gap and Span Table:

| | |
|--|-------------|
| Residential centre-to-centre joist spacing (max) | 450mm |
| Min. ground clearance | 100mm |
| Min. side-to-side gap | 5mm |
| Min. end-to-end gap (butt join) | 4mm |
| Min. gap from side and end edge of board to solid structures | 20mm |
| Min. distance from side edge for fastening boards | 20mm |
| Min. distance from end edge for fastening boards | 20mm |
| Stainless steel decking screws (pre-drill and countersink) | Recommended |

ULTIM8® Bamboo Composite Deck boards must be:

- Supported at least every 600mm on a level surface
- Laid flat during storage or transportation and never at an angle
- Must not be dropped or 'dumped' when unloading or carrying to site
- Stored on a flat, dry surface and at least 100mm off the ground
- Remain covered until time of installation

Regular cleaning to remove stains and debris of ULTIM8® Bamboo Composite Deck is recommended. Cleaning ULTIM8® Bamboo Composite Deck with a mixture of warm water mixed with Bi-Carbonate of Soda and a stiff bristle nylon brush is generally all that is required but household (non-abrasive) cleaners may also be used. For tough stains make a paste of the Bi-Carbonate of Soda mixed with a small amount of water and rub the paste into the stained area. Allow to dry and scrub with a little more water and a stiff bristle brush. Wash with clean water. Repeat if necessary for more stubborn stains. Do not use a pressure washer with pressure exceeding 1500psi and closer than 30cm on ULTIM8® Bamboo Composite Deck. For detailed care and maintenance information, refer to the ULTIM8® Bamboo Composite Deck Care and Maintenance Guide available at www.mcxmaterials.com

