

Installation instructions: Latitudes Marine Decking

Prior to construction, check with your local regulatory agency for special code requirements in your area.

As with any building project, installing Latitudes most effective when you think through the entire process in advance, familiarising yourself with the materials and their application. Think of how you want the project to finish – i.e. a picture frame border around the deck makes a huge difference to the end result! Please review the following tips before starting work on a Latitudes composite deck. For additional installation support, call Urbanline Architectural on 1300 658 638.

The appearance of this product changes when viewed from different ends. To achieve the most consistent colour, install all of the boards in the same direction using the product end tags [A] as a point of reference or install all of the boards with the arrows on the product stickers [B] pointing in the same direction. Installing boards in opposing directions will create contrasting light and dark shades of the deck board colour and is not covered under warranty.

Storage

Urbanline Latitudes Marine composite decking should be stored covered, flat and off the ground. Standard 5800mm long packs of Urbanline Latitude require a minimum of eight gluts (supports) under the pack for proper storage.

Safety & Tools

Standard safe practices should, of course, be employed when using any tools during installation. Urbanline Latitude Marine composite decking can be drilled, sawn, fastened or routed with normal woodworking tools.

Foundation & Sub-structure

Urbanline Latitudes Marine composite decking is not for use as a component of the foundation or substructure. When constructing the substructure care must be taken to ensure that the joists are level, straight and square as Urbanline Latitudes Marine decking will conform to the joists. As a general rule the closer the joists the better the deck. Do not exceed the maximum joist spacing specific for each profile. Any overhang of decking boards at the ends or sides of the deck should be kept to a maximum of 50mm. Breaker boards and all board ends must be positioned above and secured to a joist. When installing up against a building or structure, a fall of 3-4mm per metre away from the building or structure should be planned for water runoff. Urbanline Latitudes Marine composite decking should not be attached directly to any solid surface or watertight flooring system. For adequate airflow and drainage 9mm between each Urbanline Latitudes Marine composite decking board

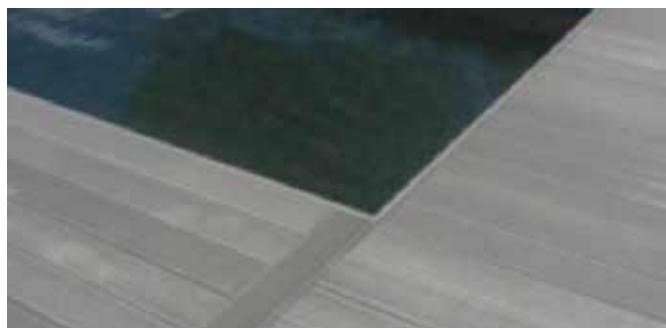
and a minimum of a 300mm ground clearance is recommended. Deck board ends should not be occluded and any moisture should be able to drain away freely. Do not use Latitudes Marine composite decking in applications where it would be continually submerged in water.

Expansion, Contraction & Breaker Boards

All products with a plastic component will expand when temperatures increase and this must be allowed for when planning a deck using composite material. We strongly recommend the use of Breaker boards on any deck longer than 6 metres to limit the expansion/contraction gaps to 9mm. Allow 10mm distance between all decking material and any permanent structure or post. The traditional butt joining of boards is strongly advised against. The preferred method of deck design incorporates the use of breaker boards that are run across the deck at 90 degrees to the ends of the long boards so that the maximum gap possible is 9mm. Additional joists/support is required in the substructure wherever a breaker board is being used. The breaker boards can be screwed directly into the timber joists. It is important to be cognisant of the board temperature prior to cutting in order to determine the gap requirements when installing the decking.

It is advisable to have all of the boards at the same temperature by spreading them evenly over the deck surface in a shaded area prior to installation.

Please see temperature gaping table on p3



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Joist Spacing/Spans

Residential Application:

Joist Spacings: 600mm on centre for residential perpendicular applications. Residential parquet patterns and diagonal or herringbone designs all require joist spacing's of 400mm on centre. When Latitudes Marine is used for stair treads, the maximum stringer spacing is 300mm on centre.

Commercial Application:

The installation of Latitudes Marine decking must comply with the manufacturer's published installation instructions and applicable building codes. Loading limits and required support conditions are shown in the installation instructions. To use Latitudes Marine decking in conditions other than outlined in the manufacturer's installation instructions, consult with a registered design professional. Whenever Marine decking is used in conditions other than published in the installation instructions, joist spacing calculations and construction documents shall be prepared by a registered design professional to verify the suitability of the boards and supporting structure to resist the necessary forces under varying environmental and physical conditions. [See Load Span Chart.](#)

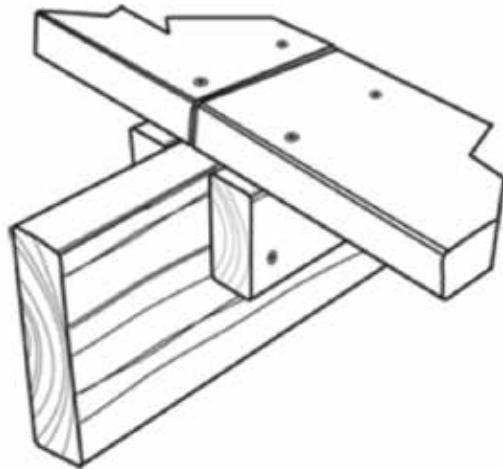
Colour & Orientation

We recommend that wherever possible you purchase all of the boards required for your project at the same time in order to avoid any possible colour variation that may occur between different manufacturing runs and install the boards pointing in the same direction using the product end tags. The natural fibres used in the manufacture of Urbanline Latitudes composite decking may mean some colour variation between boards and initially in full sun the colour will lighten a little. This will stabilise after 8-12 weeks of full sun exposure i.e. Grey products may turn a light brown before changing to a lighter grey. The grain of Urbanline Latitudes composite decking will reflect light differently depending on the orientation of the boards. To ensure an even look across the deck it is advisable to lay out the deck boards before fixing (in hot climates – keep boards as cool as possible), to allow you to check your colour mix and grain orientation, this also ensures that each board is the same temperature prior to any cutting.

Fastening the boards to the joists

All Urbanline Latitudes Marine boards to be faced fixed using minimum 75mm long screws. For ease of installation, we recommend using corrosion-resistant, composite wood deck screws. Pre-drilling and countersinking is recommended prior to driving screws. Pre-drill and countersink all deck screws, regardless of type, that are within 75mm of the end of the deck board. For applications within 250m of saltwater or when de-icing salts will

be in contact with the deck surface, use type 316 stainless steel fasteners. Screws should be driven flush with the Latitudes decking surface. Do not over-tighten. Use a minimum of 2 fasteners per deck board at each joist. For any decking where two boards meet end-to-end over a joist, add additional blocking (see below). Always pre-drill a pilot hole within 75mm of the board ends and countersink when using either composite or wood screws. Be careful not to over-tighten screws near board ends. 9mm edge gap is recommended.



Pre-drill and countersink all deck screws, regardless of type, that are within 75mm of the end of the deck board.

The diagrams and instructions in this brochure are for illustration purposes only and are not meant to replace a licensed professional. Any construction or use of the product must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability associated with the construction or use of this product. The consumer or contractor should take all necessary steps to ensure the safety of everyone involved in the project, including, but not limited to, wearing the appropriate safety equipment.

EXCEPT AS CONTAINED IN THE WRITTEN LIMITED WARRANTY, THE WARRANTOR DOES NOT PROVIDE ANY OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, AND SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES.

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Board End to End Gapping Requirements

Warmest annual temperature °C expected in region

Temperature °C on day of installation	-5	0	5	10	15	20	25	30	35	40	45
°C	3mm	3mm	3mm	3mm	3mm	5mm	5mm	6mm	6mm	8mm	8mm
-5	3mm	3mm	3mm	3mm	3mm	5mm	5mm	6mm	6mm	8mm	8mm
0		3mm	3mm	3mm	3mm	3mm	5mm	5mm	6mm	6mm	8mm
5			3mm	3mm	3mm	3mm	3mm	5mm	5mm	6mm	6mm
10				3mm	3mm	3mm	3mm	3mm	5mm	5mm	6mm
15					3mm	3mm	3mm	3mm	3mm	5mm	5mm
20						3mm	3mm	3mm	3mm	3mm	5mm
25							3mm	3mm	3mm	3mm	3mm
30								3mm	3mm	3mm	3mm
35									3mm	3mm	3mm
40										3mm	3mm
45											3mm