

DECKING INSTALLATION GUIDE



ULTIMATE DURABILITY.
MAXIMUM STABILITY.
CUSTOM CREATIVITY.



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TANTIMBER
products

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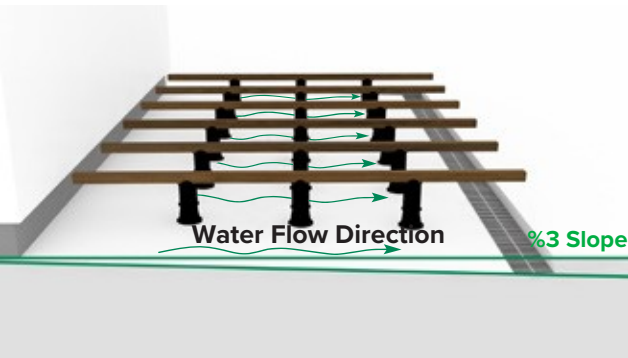
WORK SAFETY MEASURES

Safety First

Before beginning your project, remember to observe all normal safety precautions. Maintaining a safe work environment includes wearing all appropriate safety equipment such as a helmet, gloves, goggles, protective footwear, etc.

BEFORE STARTING TO INSTALLATION

The floor must be prepared prior to beginning the installation of G Wood's Tantimber decking. Each of the point below must be followed during the preparation and installation phases to achieve the best results.

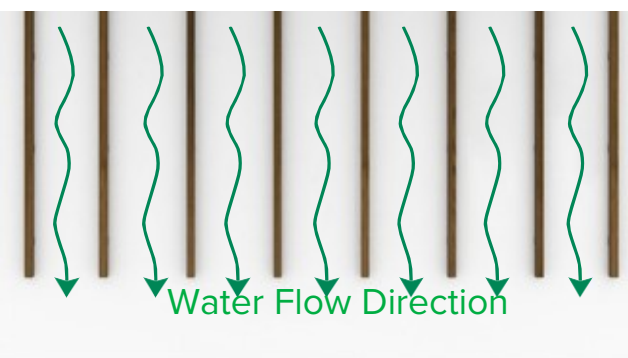
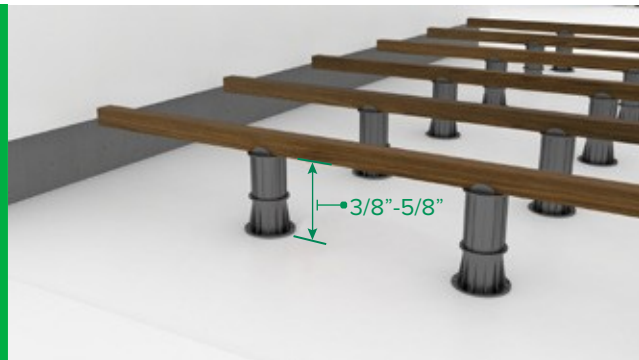


To keep water from standing on the surface of the decking, the ground should have a minimum grade of 3% slope in the direction the water will drain.

The foundation must be firm and the base framework joists must be raised enough to prevent contact with the ground.

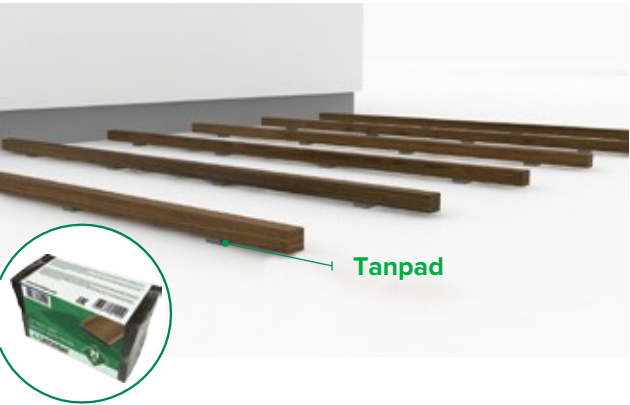
FRAMING JOISTS

For best results, a minimum distance of 4"-6" should be maintained between the decking planks and the ground. This distance can be achieved by using Tantimber Pedestals and Framing Joists.



Framing Joists should be oriented parallel to the direction of water flow and perpendicular to the drainage channel if one is present.

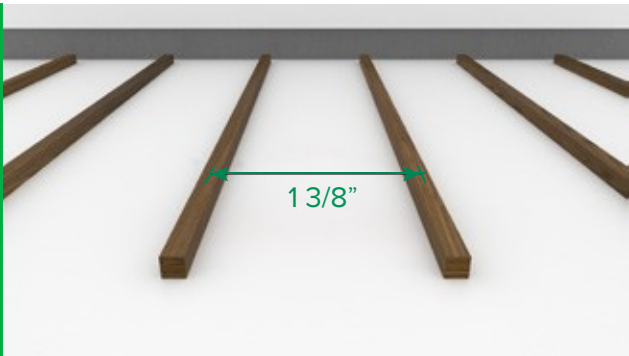
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We recommend using Tantimber boards as the joists for the decking because they have undergone the same thermal modification process.

Direct contact between the joists and decking planks and between the joists and concrete should be avoided to allow for both air circulation and water flow. We recommend using G Wood’s Tantimber TanPads for this purpose, and will create airflow under the decking.

The distance between the framing joists should be set based on the thickness of the decking and the type of wood used as shown in the chart below.



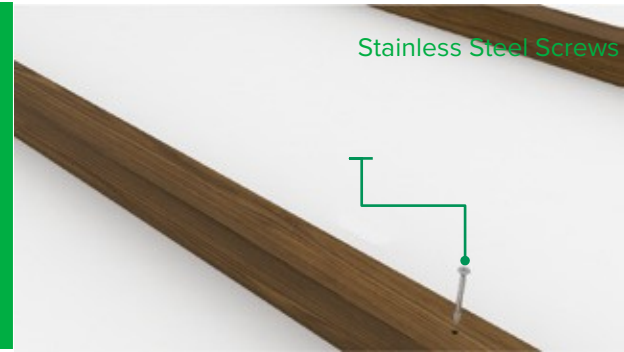
The distance between the framing joists should be set based on the deck sizes (inches are nominal)

WOOD	DECK THICKNESS (mm)	FRAMING JOIST DIST. (cm)
Thermowood Ash	21 mm (13/16")	30-45 cm (12"-16")
Thermowood Ash	25 mm (1")	Max. 50 cm (16"-18")
Thermowood Ash	40 mm (1 ½")	60 cm (16"-18")
Thermowood Iroko	20 mm (3/4")	30-45 cm (12"-16")
Thermowood Iroko	40 mm (1 ½")	60 cm (16"-18")
Thermowood Pine	26 mm (1")	45 cm (16")
Thermowood Pine	40 mm (1 ½")	Max. 60 cm (16"-18")

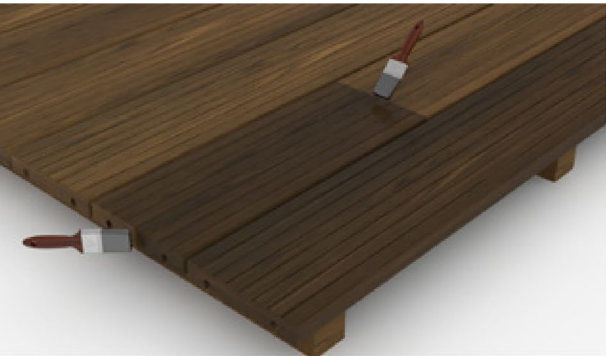
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Joists should be fastened with high-strength stainless steel screws that are countersunk into the wood.

If the installation will be over some type of metal construction, we recommend attaching Tantimber joists to the metal and then attaching the decking to the joists. This will improve the overall construction of the deck.

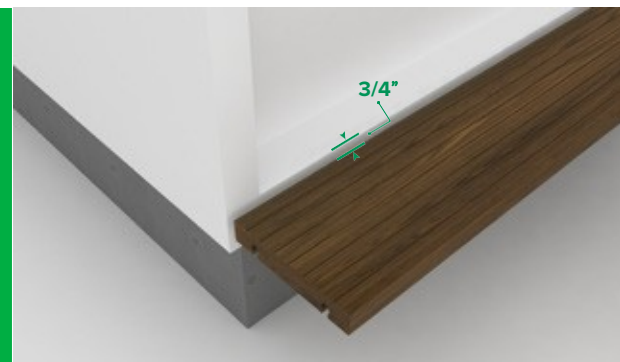


DECKING APPLICATION

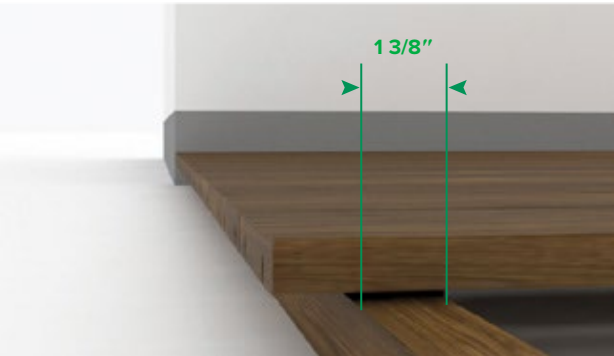


To prevent the absorption of water, we recommend sealing all surfaces with an appropriate product, even if end-matching is used. This will also help minimize the likelihood that the ends of the boards will split over time.

For both vertical and horizontal applications, a gap of 3/4" should be maintained between the decking boards and all walls.

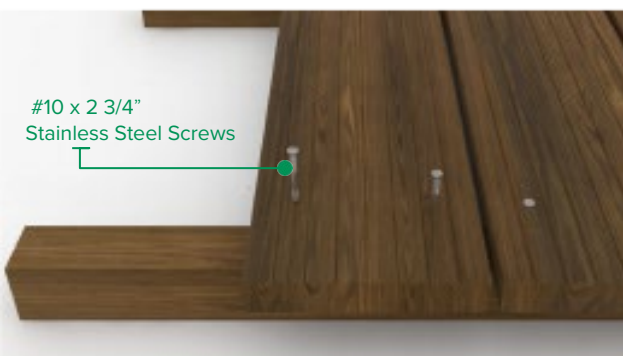
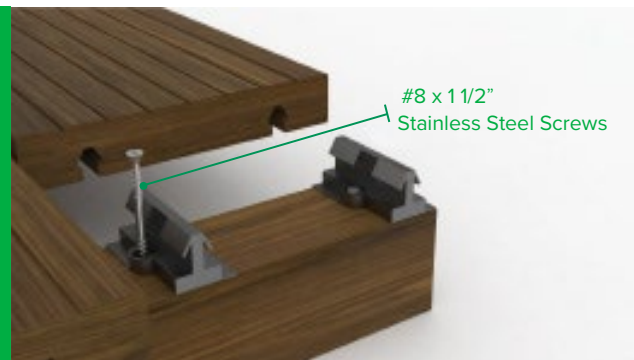


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Decking should extend past the edge of the support joists by approximately 1 3/8".

We recommend using #8 x 1 1/2" stainless steel screws to attach the G Wood's Tantimber hidden fasteners.

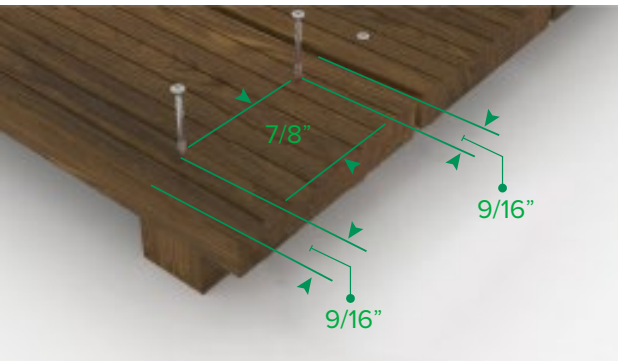


To attach decking to the framing joists, use #10 x 2 3/4" high-strength stainless steel screws.

A gap of 3/16"- 1/4" should be maintained between decking planks. When Tantimber Tantak Clips are used, this gap is maintained by the clips themselves.

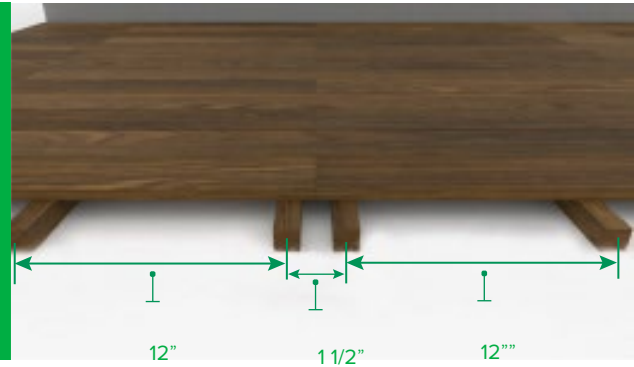


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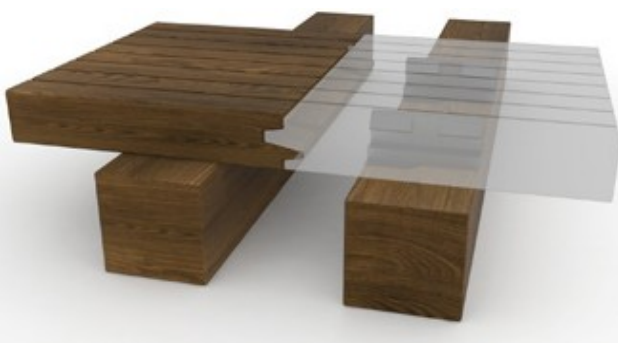
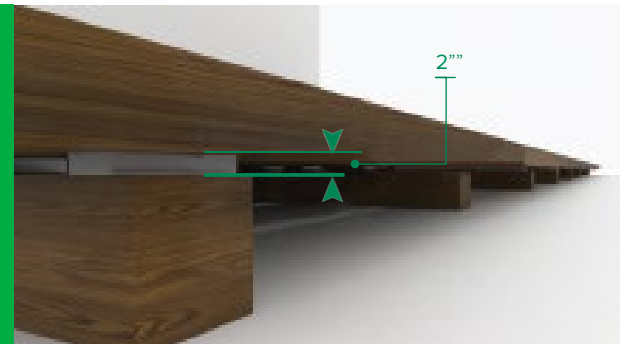


When attaching the decking to the joists, screws must be no less than 1/2" from the sides of the boards and 3/4" from the ends.

We recommend using G Wood's Tantimber End-matching Decking material because it interlocks and reduces waste. However, if our end-matching product is not used, a 1/8" space should be maintained between the ends of the boards, rather than butting them together.



In order to maximize airflow and minimize water absorption, decking should not be installed in direct contact with the joists. A gap of at least 3/16" should be maintained between the two. When Tantimber Tantak Clips are used, this gap is maintained by the clips.



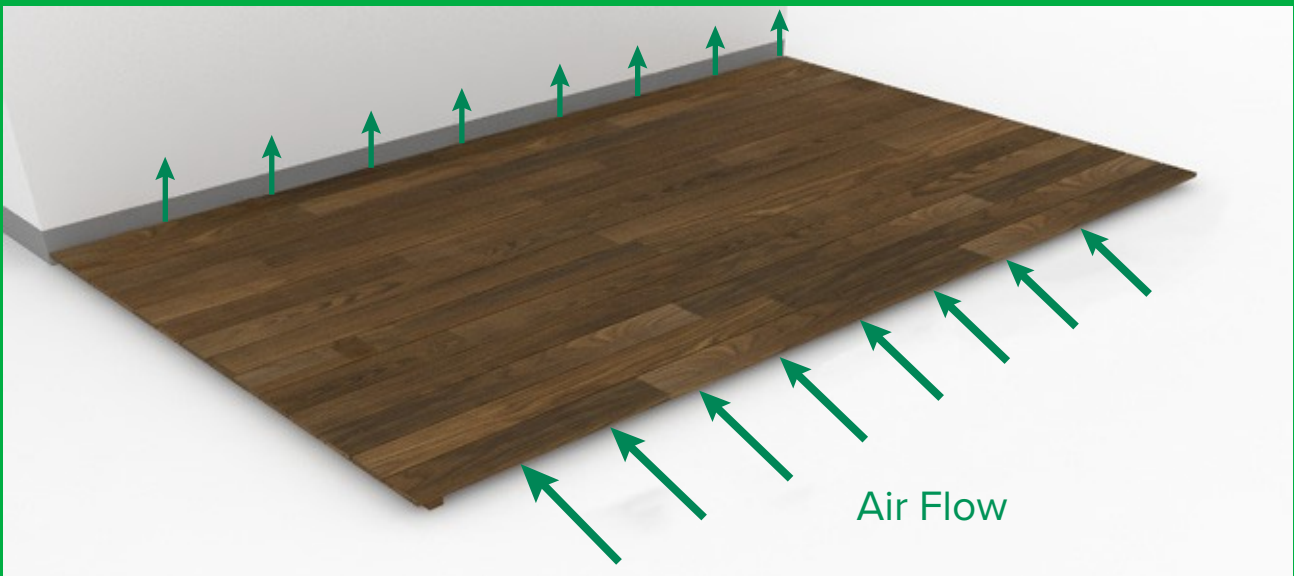
In contrast to traditional construction techniques, with Tantimber Thermowood it is not required to have the ends of the boards fall directly above the joists whether or not end-matching products are used.

*Stainless steel screws must be used for decking applications.

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When installed in public areas and for other urban projects, decking may be attached with stainless steel screws, although Tantak Clips are the preferred method. In these applications, the decking should be a minimum of 1" thick.



It is important to maintain proper gaps and spacing between all deck components to ensure proper airflow and water drainage in order to allow the wood to breathe and not