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RainDrain Decking Install Instructions

We mill RainDrain Decking from the four species we carry in the 5/4 x 6 (1" x 5.5") dimension; Ipe, Garapa, Cumaru and Tigerwood. More on these species on our website, bwdepot.com/hardwood-decking. This milling process yields a profile that allows water to run down the channels and away from the structure, effectively eliminating the need for an underdeck system. Details on RainAway Decking are as follows,

- Board Coverage is 4 1/2"; The board face is 4 3/8"; Installation requires a 1/8" gap between the boards.
$$\text{Face (4 3/8")} + \text{Gap (1/8")} = \text{Coverage (4 1/2")}$$
- Board thickness is 1" (plus or minus 5/1000")
- Boards have a span strength of over 2'. A maximum of 24" joist spacing is recommended.
- A minimum slope of 1/4" per foot of run is recommended.
- The two best installation methods are; Facescrews- 2 1/2" Brown headed trim screws, which requires predrilling, more info <https://www.deckwise.com/stainless-steel-trim-head-deck-screws.html> . Or Undermount Fastening- a system that involves the use of a piece of angle that is screwed in the joist and into the bottom of the deck boards, from below. More information about this system on Grabberman.com.

There are also some design requirements, as follows,

- Joists *should* run parallel to the structure so that the decking boards can run perpendicular to the structure, running water away from the structure. Drainage systems can also be used if the boards must run parallel to the structure.
- A maximum deck depth of 20'. Boards come a maximum of 20' in length. Because the boards must not have any breaks (so the water has unobstructed flow), the depth of the deck (length of the board runs) cannot exceed 20'. In some cases, we carry 22' boards, if necessary.