



BWDEPOT



**BWDepot Decking
Wizard
Report - #103**

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Conditions

Below are the installation conditions that you provided to the Decking Wizard. These are the key factors that affect performance and guide the best choices for decking type and fastening system.

GOOD AIR-FLOW

Good airflow indicates that the deck is built at least a few feet off the ground with no substantial restrictions to circulation beneath. This condition helps limit trapped moisture and reduces the likelihood of movement-related issues such as cupping, while also supporting more consistent performance of fastening systems.

HEAVY SUNLIGHT

- We will assume the deck does not have a roof overhead and receives heavy, direct sunlight. In these conditions, certain species perform better and fastening methods may need to be adjusted to ensure long-term stability.

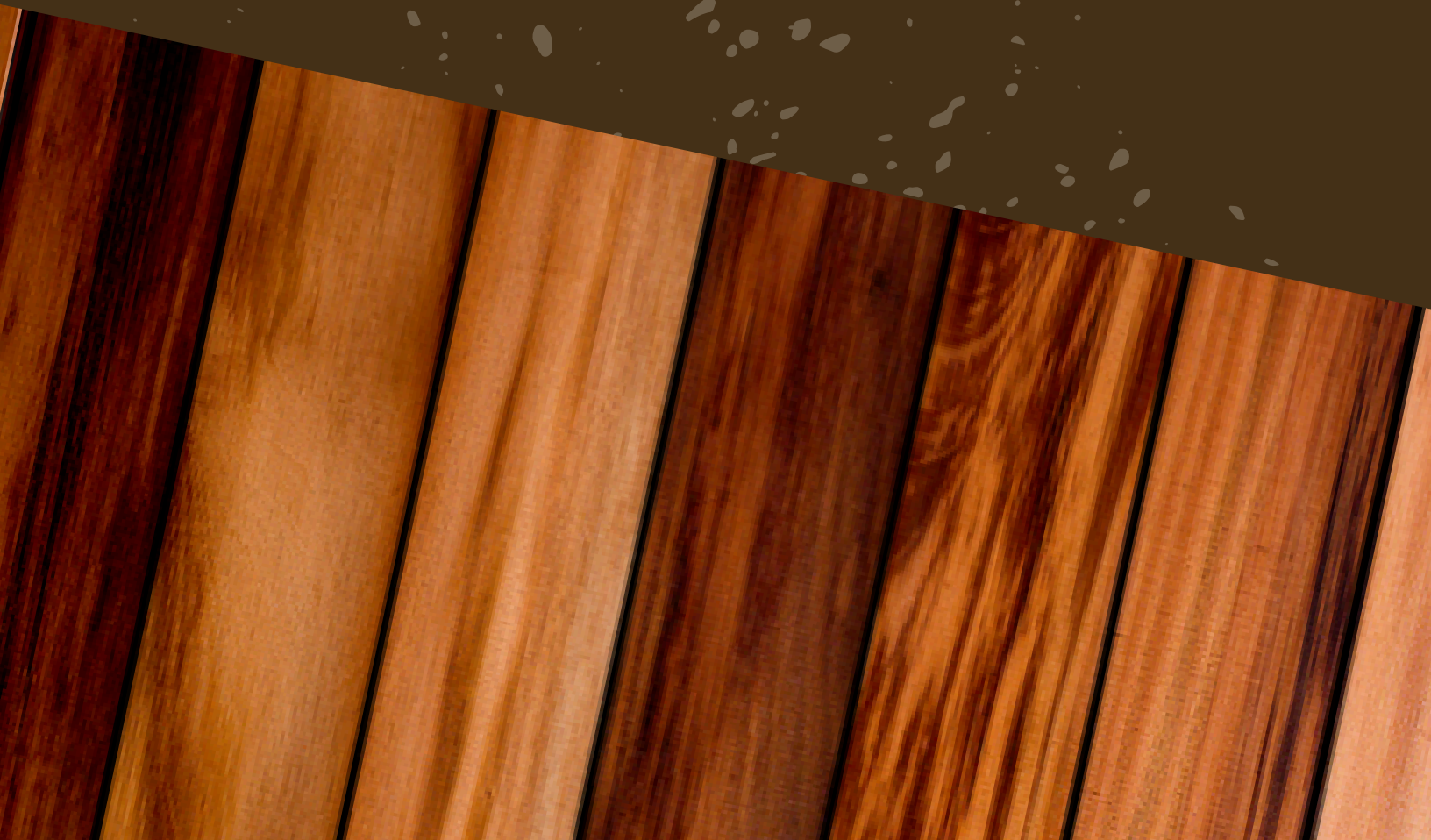
“Brazilian Hardwood Decking isn’t a commodity—it takes understanding each project’s conditions and limitations to choose the right wood and fastening system for optimum performance.”



Analysis

When sunlight exposure is **heavy** and airflow beneath the deck is **unrestricted**, deck boards expand and contract as expected with daily heating and cooling. Assuming there is no excessive blocking below, this environment allows both the **deck boards and joists** to achieve their longest possible longevity.

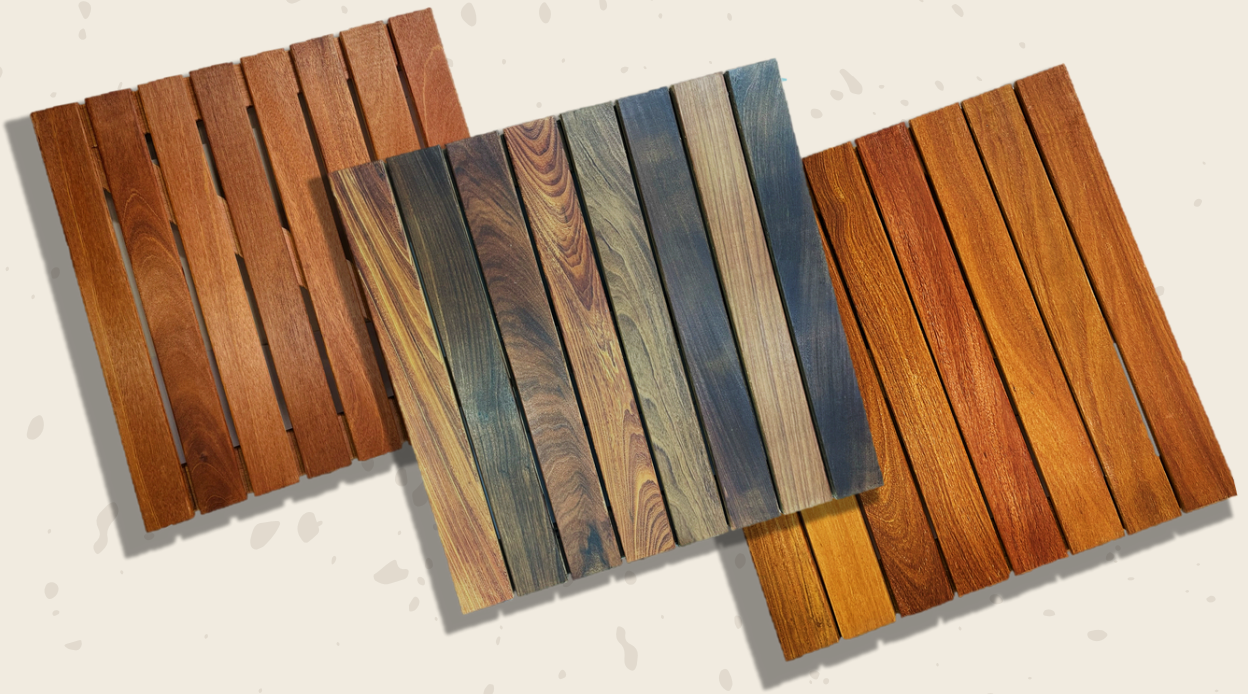
In these conditions, the main considerations are **species selection** and **fastening methods**. Choosing hardwoods that perform reliably under strong sunlight, and matching them with the right fastening system, will ensure **optimum long-term performance**.



Recommendation: Deck Tiles

Deck Tiles are not required under these conditions, but they remain a viable option worth considering. In addition to performing well in environments with sunlight exposure and limited airflow beneath the deck, they also offer ease of installation, minimal cost, and a unique visual character that can complement a variety of designs.

Click any of the images to redirect to more details, galleries, and installation information



DECK TILES

Recommendation: Standard Decking Species

For a more traditional hardwood look in conditions of heavy sunlight with good airflow, there are many strong species options to choose from. All of the hardwoods listed below are well-suited for these conditions. For cost-conscious projects, consider Garapa, Purpleheart, or Brown Balau. For something with similar density and color characteristics to Ipe, Massaranduba is a strong alternative.

Click any of the images to redirect to more details, galleries, and installation information



IPE



MASSARANDUBA



GARAPA



PURPLEHEART



BROWN BALAU

Fastening Considerations

A variety of fastening methods are acceptable in these conditions, but the best choice depends on the species selected. Ipe and Garapa perform exceptionally well with hidden fasteners, making them an ideal fit for a clean, seamless look.



In contrast, with species like Purpleheart and Brown Balau, it is recommended to use surface fasteners such as stainless steel screws or screws with matching plugs—both of which Brazilian Wood Depot can provide. For more context and detailed guidance, see the video below.



**ALL OF OUR INSTALLATION GUIDES ARE ALSO AVAILABLE
IN SPANISH, CLICK HERE.**

Next Steps

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pre-filled with **THIS report code** and key project details. Add anything else you'd like us to know, and we'll get your quote started today!

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Brazilian
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Additional Resources

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