



BWDEPOT



**BWDepot Decking
Wizard
Report - #107**

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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.

MIN. TO MODERATE SUNLIGHT

This sunlight condition opens up a wide range of options for both species and fastening types. The best approach may depend on where the deck falls along the spectrum—closer to minimum sunlight or leaning toward the moderate side—as each can influence performance considerations.

GOOD AIR-FLOW

With good airflow, the risk of cupping is minimal, so bottom grooving is generally unnecessary. The only exceptions are cases with specific installation elements—such as heavy blocking or similar obstructions—that may restrict circulation beneath the boards.

“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

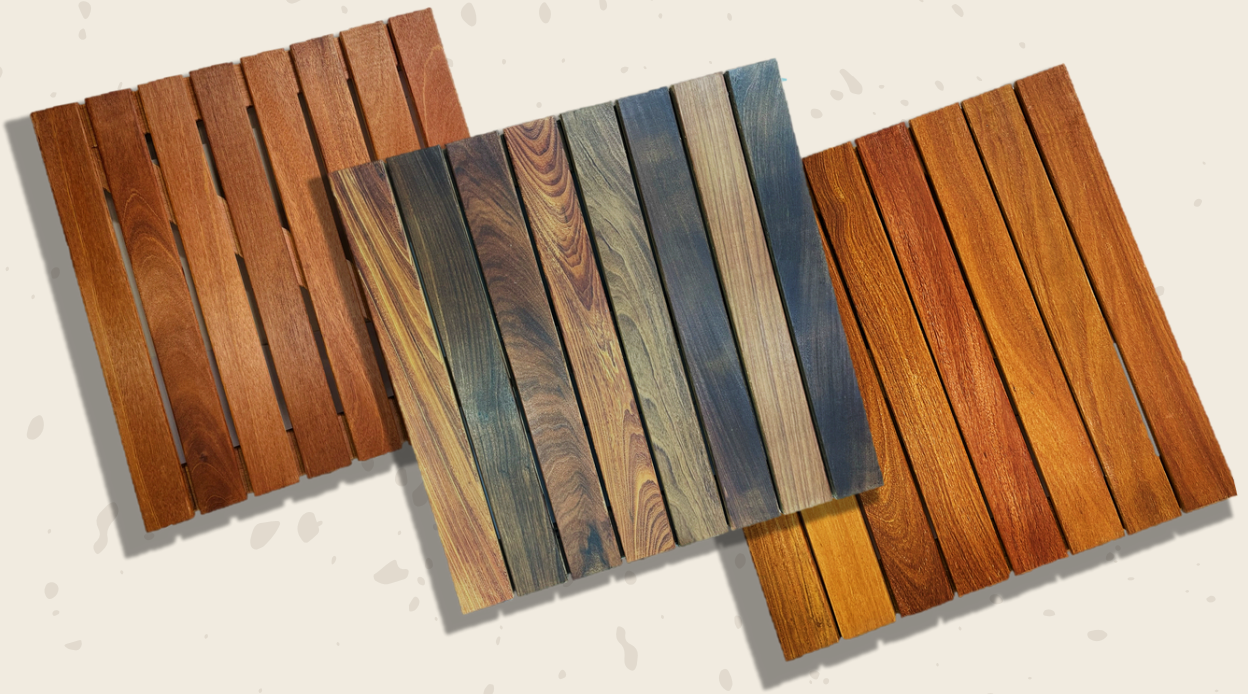
When a deck has **minimum to moderate sunlight exposure** but also benefits from good airflow beneath, the range of suitable **species and fastening types** is wide open. In these conditions, performance concerns are minimal, and the choice often comes down to **customer preference** for grain, color, and board character. Some consideration should still be given to the level of sunlight—whether it leans closer to moderate or remains truly minimal. That difference may guide the decision between species such as **Purpleheart**, which benefits from more exposure, and **Tigerwood**, which performs well with less. Beyond that, options like **Ipe**, **Garapa**, **Massaranduba**, and **Brown Balau** remain reliable performers across nearly all levels of sunlight in these conditions.



Recommendation: Deck Tiles

Deck Tiles can be a good solution under a variety of coverage conditions. While they may not be strictly necessary in this case, they are worth considering due to their proven functionality, cost-effective nature and their ease of installation (and in some cases, shipping!)..

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



DECK TILES

Recommendation: Standard Decking Species

When it comes to standard decking in a fully covered setting, all of our hardwood species perform well, since sunlight is not a factor. One notable exception in the list below is Purpleheart. Many customers prefer Purpleheart once it has oxidized to a rich brown, a process that sunlight helps accelerate. Under roof cover, this transformation still occurs, but at a slower pace. If you enjoy the natural purple tone, it will remain visible longer before eventually shifting to brown, making Purpleheart a perfectly viable option in covered applications.

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

MASSARANDUBA



IPE



TIGERWOOD



PURPLEHEART



GARAPA



CUMARU



BROWN BALAU



Fastening Considerations

In minimum to moderate sunlight, fastening recommendations depend more on the species than on the conditions themselves. For example, Purpleheart and Tigerwood have not performed as reliably with hidden fastening systems as species like Ipe and Garapa, which are well-suited for clips.



Generally, surface screws are the most secure fastening method and allow for easier board replacement, so we recommend them as the first option. However, hidden fasteners are also an acceptable choice in most cases. To better understand how each species pairs with different fastening methods, watch the video below for more context.



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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Additional Resources

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