



**BWDEPOT**



BWDepot Decking  
Wizard  
Report - #106

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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.

## FULLY COVERED BY ROOF

This condition is always interesting because it allows for a wide variety of options. Nearly everything we offer performs well under a fully covered roof, making performance concerns minimal. In these cases, the choice comes down almost entirely to personal preference—from color and grain character to the fastening method you prefer.

## RESTRICTED AIR-FLOW

In fully roof-covered conditions, airflow beneath the deck is less critical. Issues typically arise only when low airflow combines with heavy sunlight, so with a roof overhead, those concerns are greatly reduced. This said, certain reasonable considerations can and should be made.

**“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

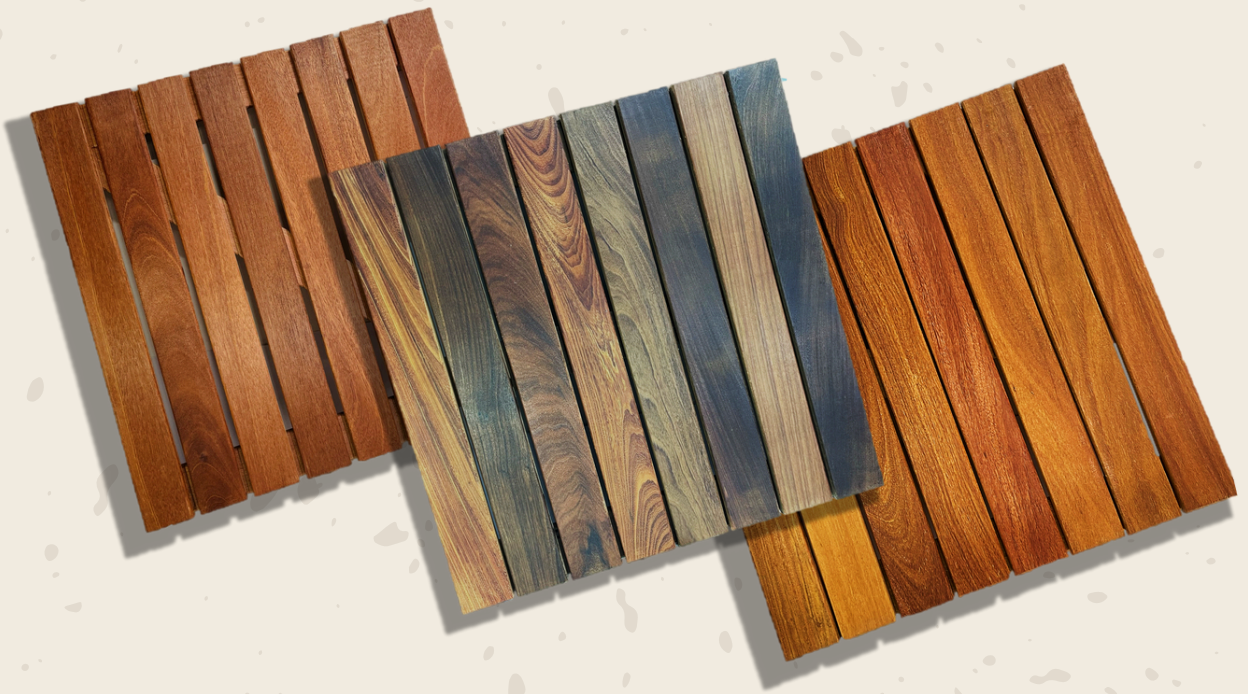
When a deck is **fully covered by a roof**, performance concerns are greatly reduced. Without direct or excessive sunlight, even species that are typically less stable tend to perform extremely well. In addition, **cleaning and maintenance** become much less demanding compared to fully exposed decks. Under these conditions, nearly any hardwood species and fastening method can be used successfully, leaving the decision primarily to **customer preference** for color, grain, fastener and even product type. That said, even covered decks often have **perimeter areas exposed to sunlight**, and these sections may require special consideration when air flow is restricted below.



# 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:

## Tongue & Groove Porch Decking

In covered decks, **Tongue & Groove** options provide an appearance that feels like an extension of the home. A popular example is **Ipe 3.5" Tongue & Groove Porch Decking**, which features a tight interlocking profile. This system must be installed under roof cover, since water cannot always drain effectively between the joints. The roof protection also helps to **minimize expansion and contraction**, supporting long-term stability of the installation. Here, the reduced air-flow does not have impact on performance..

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



# TONGUE & GROOVE PORCH DECKING

# 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



## BROWN BALAU



# Recommendation: Bottom Grooves (Kerfs)

Special consideration should be given to the **amount of sunlight on perimeter boards**, particularly when **picture framing**. These boards often sit on **wider banding** or **beams exposed** to direct sun, which can increase the risk of **cupping**. In such cases, **bottom grooving** is a reasonable precaution.



# Fastening Considerations

Nearly all types of fasteners will work with nearly all species under these conditions. With Tongue & Groove decking, installation is essentially limited to one standard method. For standard decking, however, most species perform well with a variety of fastening options.



In these situations, customers often prefer the most discreet fastening systems, such as the BWD Deck Clips, the DeckMaster undermount system, or in some cases the Camo Edge fastening method, which allows boards to be replaced easily while keeping the deck surface free of visible fasteners.

**ALL OF OUR INSTALLATION  
GUIDES ARE ALSO AVAILABLE IN  
SPANISH, [CLICK HERE](#)**

# Next Steps

## CLICK HERE TO GENERATE AN EMAIL

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!

## COMMUNICATE ON YOUR TERMS!

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*Brazilian*   
**Wood Depot**



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