

Carbonized Bamboo



Material Attributes

- An extremely hard and dense material, which is a member of the grass family.
- Eco-friendly carbonization process reduces moisture and compacts the fibers, resulting in a fine texture and a naturally polished, smooth surface.

Grain Characteristics

- Grain is typically tight and straight with narrow staves, usually displaying distinctive nodes and specks that resemble burls and knots, produced from natural variations in bamboo.
- Variations are indicative of a natural product that add visual interest, and not considered defects.

Color

- Ranges from deep golden to rich brown, achieved during the environmentally-friendly carbonization process, involving heat and sometimes steam and pressure to caramelize the natural sugars in the wood.
- Caramel color can intensify over time, particularly when exposed to sunlight.
- Maintains a more consistent color across veneers, though slight variations can naturally occur.

Hardness and Durability

- Remarkably resilient, with Janka hardness rating around 3000.
- Carbonization densifies bamboo, creating an exceptionally hard and scratch resistant material.

Finishing Properties

- While it can absorb stain uniformly, caramelized bamboo showcases natural beauty without extensive finishing.



Aesthetic Qualities

- A sustainable material, caramelized bamboo slab doors offer a warm, inviting appearance that combines modern and natural aesthetics. Its distinctive look adds contemporary elegance while supporting eco-conscious design.