

Ipe Decking Data Sheet

TABEBUIA SPP

Ipé, often called Brazilian walnut, is a beautiful exotic wood from South America. Typically used for decking and other outdoor applications, ipé structures are hard, strong, and naturally resistant to rot, abrasion and weather. It is almost twice as dense as most woods and up to five times harder. It is dark brown in color, like a mahogany, so not only lasts a long time but has the beauty of a fine interior wood. If ipé is allowed to age, color can be brought back to its original shade with the use of cleaners. Ipé has become a very popular and inexpensive alternative to teak when it comes to architectural, docks, and outdoor structures.

FAMILY

Bignoniaceae.

OTHER COMMON NAMES

Brazilian Walnut and Lapacho. Trade names include Ironwood™ and Pau Lope™.

ORIGIN

Brazil, tropical South-Central America.

APPEARANCE

Heartwood ranges from olive brown to blackish, often with lighter or darker striping, often covered with a yellow powder; sharply demarcated from the whitish or yellowish sapwood. Left to nature, traditional weathering will change the ipé to a nice consistent light gray. Texture fine to medium; luster low to medium; grain straight to very irregular; rather oily looking; without distinctive odor or taste.

DENSITY AND BUOYANCY

Janka hardness is 3680, making it very hard and durable, 185% harder than Red Oak (1210 Janka). Average weight is 72 lbs./cu. ft. Specific gravity is .92 so it sinks.

DRYING AND SHRINKAGE

Slight warping, cupping, twisting, and surface checking may occur during drying. Cut ends need to be re-sealed to prevent checking.

WORKABILITY

Ipé can be difficult to work with, especially with hand tools. It can have a blunting effect on cutting edges, so pre-drilling for nails and screws is recommended. It comes in good long lengths with limited warp. Planks do not bend well, but the wood finishes and sands quite smoothly, with no splintering. The fin yellow dust produced when working with Ipe may cause dermatitis in some people so please use proper PPE.

DURABILITY

This Brazilian species is one of the most stable of all the durable timbers. It can be used in ground contact without preservatives or additional treatments. Has a fire rating of Class A, the same as concrete or steel.

PRESERVATION

Heartwood is very resistant to attack by decay fungi and termites, but not resistant to marine borers, and has the durability and strength of teak. Ipé wood is very dense, making it extremely resistant to preservation treatments.

USES

Residential and commercial decking, boardwalks, piers, fencing, park benches, patio tiles, bridges, porch flooring and industrial flooring.

GENERAL CHARACTERISTICS

Pronounced e-pay, ipé is widely recognized as one of the hardest and most durable timber species in the world offers:

- high density, which results in a high fire-resistance rating
- natural resistance to rot and decay

1" Ipe:

- 1" x 4" (Net size 3/4" x 3-1/2" x 8' - 20')
- 1" x 4" Pre-Grooved (Net size 3/4" x 3-1/2" x 8' - 20')
- 1" x 4" Tongue-and-Groove (Net size 11/16" x 3" x 8' - 20')
- 1" x 6" Shorts (Net size 3/4" x 5-1/2" x 3' - 6') Odds/Evens
- 1" x 6" (Net size 3/4" x 5-1/2" x 7' - 20') Odds/Evens
- 1" x 6" Pre-Grooved (Net size 3/4" x 5-1/2" x 7' - 20') Odds/Evens
- 1" x 6" Tongue-and-Groove (Net size 11/16" x 5" x 7' - 20') Odds/Evens
- 1" x 8" (Net size 3/4" x 7-1/4" x 8' - 20')

5/4" Ipe:

- 5/4" x 4" (Net Size 1" x 3-1/2" x 7' - 20')
- 5/4" x 4" Pre-Grooved (Net Size 1" x 3-1/2" x 7' - 20')
- 5/4" x 4" Tongue-and-Groove (Net Size 15/16" x 3" x 7' - 20')
- 5/4" x 6" Shorts (Net Size 1" x 5-1/2" x 3' - 6') Odds/Evens
- 5/4" x 6" (Net Size 1" x 5-1/2" x 7' - 20')
- 5/4" x 6" Pre-Grooved (Net Size 1" x 5-1/2" x 7' - 20')
- 5/4" x 6" Tongue-and-Groove (Net Size 3/4-7/8" x 5-1/2" x 7' - 20')
- 5/4" x 8" (Net Size 1" x 7-1/4" x 8' - 20')
- 5/4" x 10" (Net Size 1" x 9-1/4" x 8' - 20')
- 5/4" x 12" (Net Size 1" x 15/4" x 8' - 20')

2" Ipe:

- 2" x 2" (Net Size 1-1/2" x 1-1/2" x 8' - 20')
- 2" x 3" (Net Size 1-1/2" x 2-1/2" x 6', 8')
- 2" x 4" (Net Size 1-1/2" x 3-1/2" x 8' - 20')
- 2" x 6" (Net Size 1-1/2" x 5-1/2" x 8' - 20')
- 2" x 8" (Net Size 1-1/2" x 7-1/4" x 8' - 20')
- 2" x 10" (Net Size 1-1/2" x 9-1/4" x 8' - 20')
- 2" x 12" (Net Size 1-1/2" x 15/4" x 8' - 20')

3" Ipe:

- 3" x 4" (Net Size 2-1/2" x 3-1/2" x 8' - 20')
- 3" x 6" (Net Size 2-1/2" x 5-1/2" x 8' - 20')
- 3" x 8" (Net Size 2-1/2" x 7-1/4" x 8' - 20')
- 3" x 10" (Net Size 2-1/2" x 9-1/4" x 8' - 20')
- 3" x 12" (Net Size 2-1/2" x 15/4" x 8' - 20')

4" Ipe:

- 4" x 4" (Net Size 3-1/2" x 3-1/2" x 8' - 20')
- 4" x 6" (Net Size 3-1/2" x 5-1/2" x 8' - 20')
- 4" x 8" (Net Size 3-1/2" x 7-1/4" x 8' - 20')
- 4" x 10" (Net Size 3-1/2" x 9-1/4" x 8' - 20')
- 4" x 12" (Net Size 3-1/2" x 11-1/4" x 8' - 20')

6" Ipe:

- 6" x 6" (Net Size 5-1/2" x 5-1/2" x 8' - 20')
- 6" x 12" (Net Size 5-1/2" x 11-1/4" x 8' - 20')

8" Ipe:

- 8" x 8" (Full) (Net Size 8" x 8" x 8' - 20')

Rails & Plugs:

- Subrail - 5/4x4 (Net Size 1" x 3-1/4" x 8', 10', 12')
- Railcap - 5/4x6 Flat Top (Net Size 1" x 5-1/2" x 8', 10', 12')
- Railcap - 2x6 Curved Top (Net Size 1-1/4" x 5-1/4" x 8', 10', 12')
- Hand Rail - 2x4 Flat Top (Net Size 1-1/2" x 3-1/4" x 8', 10', 12')
- Ipe Plugs 3/8" diameter (5/16" - 3/8")

*Custom molding on request

