



Structural Ipe wood deck tiles are 24" x 24" (nom.) prefabricated panels of 13/16" Brazilian hardwood slats screwed to three solid wood support battens with stainless steel screws. This results in a tile with exceptional strength, durability and resistance to flexing.

Structural Ipe wood tiles are specifically designed to be used with adjustable height pedestals for construction of elevated decks on rooftops or decks over sloping or uneven surfaces.

Alternatively, the tiles can be laid over existing concrete using fixed height spacers to lift the tiles off the surface and ensure good drainage.

Structural Ipe wood tiles can be used for most commercial or residential applications including rooftop decks, elevated terraces, plazas, and other large exterior spaces.

Our structural Ipe wood tiles are exclusively constructed from Brazilian hardwood, not just because of its exceptional durability and hardness, but because of its stability across a broad temperature and humidity range and resistance to twisting and warping.



CHARACTERISTICS OF BRAZILIAN HARDWOOD

- Highly resistant to termites, decay and mold
- Very hard and dense
- Wear resistant and scuff resistant
- Class A fire rating
- High bending and shearing strength
- Resists warping and twisting
- Weathers without splintering
- Lower maintenance than less dense species

SPECIFICATIONS



skydeck
— **USA** —
Rooftop Patios. Simply Done.

Tile size	23 7/8 in x 23 7/8 in
Covered area	24 in x 24 in
Tile height	1 11/16 in
Wood thickness	13/16 in
Slats per tile	8
Width of slats	2 7/8 in
Slat spacing	3/16 in approx.
Ends & sides finish	S4SE4E (radius 1/8 in)
Tile weight	23.5 lbs
Surface finish	Ends waxed with paraffin, slats with machined finish, and wood not coated with oil
Common name	Ipe
Botanical name	Tabebuia sp.
Color	Typically reddish brown color, but can vary from olive brown to blackish, often with lighter or darker striping
Grain	Fine to medium texture, grain always interlocked, sometimes very highly oily looking
Density @ 12% moisture	1050-1180 kg/m ³
Durability	Class A
Fire rating	Class A
Hardness (Janka)	3680 (very hard)
Resistance to decay and insect attack	Resistant to attack by decay fungi and termites — Not resistant to marine borers
Modulus of rupture	170 MPa
Modulus of elasticity	21 GPa
Maximum crushing strength	94 MPa
Shrinkage	7% tangential, 6% radial — 1.2 tangential/radial shrinkage ratio