



PRODUCT

Ipenema

Engineered Hardwood Tiles

MANUFACTURER

Plaza Concepts, Inc.

REPRESENTATIVE

(914) 337 6071

GENERAL INFORMATION

TYPICAL USE

The Ipenema hardwood tile is an extremely durable and versatile surfacing system engineered to provide an aesthetically superior surface for all kinds of outdoor pedestrian applications. Attractive recreational areas can be easily created on plazas, roofs, and terraces at a relatively low cost. Ipenema tiles protect the waterproof membrane yet facilitates easy access for repairs, and maintenance, and are reusable if future re-roofing or horizontal expansion is necessary

SUBSTRATES / LEVELING

Typical substrates include pedestals, protection board, high-strength: drainage mat, slip sheets, geo fabrics or approved extruded polystyrene. Contact our Technical. Department to discuss substrates and leveling options.

LIMITATIONS

Consideration should be given to loads and other physical pressures, including wind that will affect the installation. Read more about wind at www.plazaconcepts.com/technote508. Like all structures, pedestrian decks are dynamic and may require consultation with technical experts during design. Colors may vary but over time, unless sealed, will become more uniform when exposed to sunlight.

INSTALLATION CONSIDERATIONS

IMPORTANT Wind issues should be discussed with our Tech Department or experts like roof consultants and engineers. Installation should also be in accordance with the most recent instructions of the insulation and membrane suppliers, and in compliance with typical industry standards like those of the NRCA, SPRI, RCI, etc, as well as applicable building code requirements. Instruments like transits, chalk lines, water and laser levels can help establish reference points. Please consult our Technical Department for assistance with design options.

TECHNICAL ASSISTANCE

Contact Plaza Concepts

WARRANTY PROGRAM

Limited 5-year warranty standard, others including full assembly system warranties are also available. Call for details.

APPLICATIONS

Plazas, roofs, terraces, balconies, decks, patios, walkways, etc.

PHYSICAL PROPERTIES (nominal)

Dimensions 23.85 x 23.85 x 1.68" in
(606 x 606 x 42 mm)

Common Name	Ipe
Botanical Name	Tabebuia sp.
Color	Brown
Variation in Color	Typical ie high
Wood Thickness	13/16'
Slats per Tile Width	8
Slat Width	2 7/8"
Slat Spacing	1/8" – 3/16"
Ends and Sides Finish	S4S E4E (radius 1/8")
Finish	Ends waxrd, tiles not coated with oil
Weight	23.5 lbs
Density	1050-1180 kg/m3
Fire Rating	Class B
Hardness	3680 (Janka)
Modulus of Rupture	170 MPa
Modulus of Elasticity	21 GPa
Maximum Crushing	94 MPa
Strength Shrinkage	7% tangential, 6% radial

ACCESSORIES

Low profile (Titan) and adjustable screwjack (Hercules) pedestals. Assorted joint spacers pins, slope correctors and SBR rubber, slip resistant shims. PCI XPS is ideal lightweight fill for hollows



Ipenema on PCI Titan on PCI Hercules (note pins and slope correctors)