



WOOD TILES

August 2022

BEAUTY, LONGEVITY, AND EXCEPTIONAL VALUE

BISON WOOD TILES

Bison Wood Tiles offer the design flexibility to create versatile, unique outdoor spaces. Commercial grade, responsibly harvested, hardwood tiles are weather resistant and available in standard and FSC® Certified (SCS-COC-002585) species.

- Species include: Bamboo, Cumaru, Garapa, Ipê, Itauba, and Tigerwood
- Exclusive Bison FS-1 Fastening Kit and Continuous Kerf Cut Design allows for easy tile attachment, removal, and replacement
- Modular sizes 2' x 2', 4' x 2', 6' x 2', 8' x 2', and 30" x 30"
 - Pedestals to be spaced on a 2' grid for all Bison Wood Tile sizes*
- Custom sizes available
- Full System Warranty available when installed with Bison Pedestals
- May be covered by one or more Patents
- Bison Ipê Wood Tile Systems can meet:
 - ASTM E108 Class A Spread of Flame
 - ANSI A137.1 Slip Resistance
 - Wind Uplift Criteria set forth in ASCE 7**
 - Seismic Design Categories (SDC) A-F



*Bison 30" x 30" Wood Tiles installed on a 30" grid.

**Wind Uplift documents not contained herein.

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Covered by one or more patents or pending patents.

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Bison Ipê Wood Tiles



Model: WTIPE24-SMOOTH

Model: WTIPE24-SMOOTH
Model: WTIPE24-RIBBED
Model: WTIPE3030-10PLANK

Species: Ipê
Color: Brown*

ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,680 lbs.
Dimensions: 23.875" x 23.875" x 1.69"
29.875" x 29.875" x 1.69"
Weight: 24 lbs. / 34 lbs.
Weight psf: 6 psf / 5.4 psf
Bison Continuous Kerf cut design



Model: WTIPE3030-10PLANK-SMOOTH



Model: WTIPE48

Species: Ipê
Surface: Smooth or Ribbed
Color: Brown*

ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,680 lbs.
Dimensions: 47.9375" x 23.875" x 1.69"
Weight: 48 lbs.
Weight psf: 6 psf
Bison Continuous Kerf cut design

Model: WTIPE48-ECO

Species: Ipê
Surface: Smooth
Color: Brown*

ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,680 lbs.
Dimensions: 47.9375" x 23.875" x 1.69"
Weight: 60 lbs.
Weight psf: 7.5 psf
Bison Continuous Kerf cut design



*Wood tile colors may differ from photos and change without notice. Unless specified in the item number above, tile slat sizes may vary and will be determined by availability at the time of order. Bison recommends ordering enough tiles to complete each project.



Bison Cumaru Wood Tiles



Model: WTCUMARU24
Species: Cumaru
Surface: Smooth
Color: Golden Brown*
ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,540 lbs.
Dimensions: 23.875" x 23.875" x 1.69"
Weight: 24 lbs.
Weight psf: 6 psf
Bison Continuous Kerf cut design



Model: WTCUMARU48
Species: Cumaru
Surface: Smooth
Color: Golden Brown*
ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,540 lbs.
Dimensions: 47.9375" x 23.875" x 1.69"
Weight: 48 lbs.
Weight psf: 6 psf
Bison Continuous Kerf cut design

*Wood tile colors may differ from photos and change without notice.



Bison FSC® Ipê Wood Tiles



Model: WTFSC-100%-IPE24
Species: Ipê
Surface: Smooth
Color: Brown*
ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,680 lbs.
Dimensions: 23.875" x 23.875" x 1.69"
Weight: 24 lbs.
Weight psf: 6 psf
Bison Continuous Kerf cut design

Bison FSC® Ipê AB Wood Tiles



Model: WTFSC-100%-IPE24-AB
Species: Ipê
Surface: Smooth
Color: Brown*
ASTM E108: Class A Spread of Flame
Janka Hardness Rating: 3,680 lbs.
Dimensions: 23.875" x 23.875" x 1.69"
Weight: 24 lbs.
Weight psf: 6 psf
Bison Continuous Kerf cut design

*Wood tile colors may differ from photos and change without notice.



Bison FSC® Cumaru Wood Tiles



Model: WTFSC-100%-CUMARU24

Model: WTFSC-100%-CUMARU48

Species: Cumaru

Surface: Smooth

Color: Golden Brown*

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 3,540 lbs.

Dimensions: 23.875" x 23.875" x 1.69" / 47.9375" x 23.875" x 1.69"

Weight: 24 lbs. / 48 lbs.

Weight psf: 6 psf / 6 psf

Bison Continuous Kerf cut design

Bison FSC® Garapa Wood Tiles



Model: WTFSC-100%-GARAPA24

Species: Garapa

Surface: Smooth

Color: Golden Brown*

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 1,630 lbs.

Dimensions: 23.875" x 23.875" x 1.69"

Weight: 24 lbs.

Weight psf: 6 psf

Bison Continuous Kerf cut design

*Wood tile colors may differ from photos and change without notice.



Bison Itauba Wood Tiles



Model: WTITAUBA24

Species: Itauba

Surface: Smooth

Color: Brown*

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 2,274 lbs.

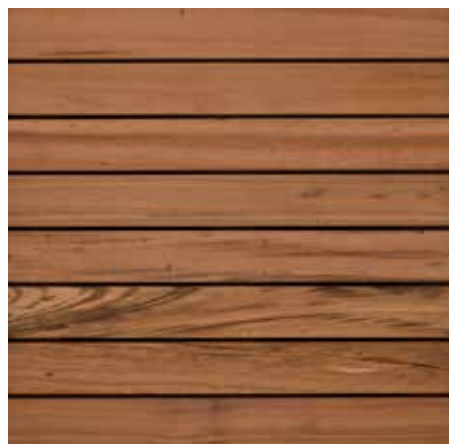
Dimensions: 23.875" x 23.875" x 1.69"

Weight: 18 lbs.

Weight psf: 4.5 psf

Bison Continuous Kerf cut design

Bison Tigerwood Wood Tiles



Model: WTTIGERWOOD24

Species: Tigerwood

Surface: Smooth

Color: Brown**

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 2,170 lbs.

Dimensions: 23.875" x 23.875" x 1.69"

Weight: 19 lbs.

Weight psf: 4.8 psf

Bison Continuous Kerf cut design

*Wood tile colors may differ from photos and change without notice.

**Tigerwood hues will vary between growth patterns, and some planks may not exhibit the signature striping.



Bison Bamboo Tiles



Model: WTBAMBOO24
Species: Bamboo
Surface: Smooth
Color: Dark Brown*
ASTM E84: Class A Spread of Flame
Janka Hardness Rating: 3,850 lbs.
Dimensions: 23.88" x 23.88" x 1.57"
Weight: 26 lbs.
Weight psf: 6.5 psf
Bison Continuous Kerf cut design

Bamboo Tiles are a rich brown color and are constructed from renewable, sustainable natural bamboo that is manufactured using a patented process that reinforces its natural strength characteristics.
NOTE: Please see the most up to date version of Bison Wood Tile Care & Maintenance Considerations for Bamboo Tile specific care, which can be found online at www.bisonip.com.

Bamboo Tiles:

- Renewable - fastest growing plant in the world, grows 1-4" a day
- Sustainable - can be reharvested every 3 years without harming the environment
- Durable - high density strength exceeding most traditional hardwoods
- Uniform Appearance - no rays or knots as found in natural wood

*Wood tile colors may differ from photos and change without notice.



Bison Special Order Wood Tiles

Please inquire for availability of other wood species.



Model: WTIPE72

Species: Ipê

Surface: Smooth

Color: Brown*

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 3,680 lbs.

Dimensions: 72" x 23.875" x 1.69"

Weight: 71 lbs.

Weight psf: 5.9 psf

Bison Continuous Kerf cut design



Model: WTIPE96

Species: Ipê

Surface: Smooth

Color: Brown*

ASTM E108: Class A Spread of Flame

Janka Hardness Rating: 3,680 lbs.

Dimensions: 96.0625" x 23.875" x 1.69"

Weight: 88 lbs. Weight psf: 5.5 psf

Bison Continuous Kerf cut design

*Wood tile colors may differ from photos and change without notice. Unless specified in the item number above, tile slat sizes may vary and will be determined by availability at the time of order. Bison recommends ordering enough tiles to complete each project.



Bison Custom Wood Tiles

Bison custom wood tiles can be manufactured to your specific design requirements. Contact the Bison sales team for more information.



Sourcing

Bison is committed to ethical business practices and responsible interactions with our employees, customers, and suppliers. Bison ensures that the hardwoods used in all our wood tile products are harvested from sustainable sources that comply with strict regulations regarding extraction, milling, and transport. Bison is committed to meeting the Lacey Act's objectives of preventing illegally sourced woods from being trafficked in the United States. Bison only chooses global partners who support these core values to meet or exceed the standards of environmental management. Bison will not knowingly transport, sell, receive, or purchase any wood that has been illegally sourced.



Installation

Bison recommends the use of Bison Pedestals and the FS-1 Wood Tile Fastening Kit when installing Bison Wood Tiles. The Bison Pedestal/Wood Tile System installs quickly, securely, and allows for single tile removal after installation if needed. The FS-1, available exclusively from Bison, fastens Bison Wood Tiles to Bison Pedestals without penetrating or damaging the wood. When installing an FS-1, use the long screw for adjustable pedestals or the short screw for HD50 and HD75 fixed height pedestals. Using the wrong screw could cause damage to the roofing membrane. *NOTE: For more information, please reference the most up to date version of the Bison Wood Tiles Installation Details, which can be found online at www.bisonip.com.*

Testing

Bison Ipê Wood Tiles meet or exceed these standards.

NOTE: Customer to verify acceptable uses for each project according to the presiding building code authority. All products to be installed per the most up to date Bison Wood Tiles Installation Details and/or Specifications at the time of installation, which can be found online at www.bisonip.com.

Description	Test	Bison Ipê Results/Requirements
Slip Resistance	ANSI A137.1	DCOF \geq 0.46 (Wet)
Solar Reflective Indices	ASTM E 1980-11	45 (Average) New 36 (Average) Weathered One Year
Solar Reflectance	ASTM C1549-09	0.403 New 0.321 Weathered One Year
Hemispherical Emittance	ASTM C1371-04a	0.894 New 0.925 Weathered One Year
Wind Uplift on Pedestals	FBC TAS-108	Aerodynamic Multiplier with Bison Wind System & Installation Guidelines
Seismic	ICC ES AC-156	For use in Seismic Zones A-F with Bison Seismic System & Installation Guidelines
Fire – Spread of Flame	ASTM E108	Class A Spread of Flame
Fire – Flame Spread & Smoke Developed	ASTM E84	Class B
Fire – SF WUI Under-Flame Test	SFA 12-7-A-4 Part A	Pass
Concentrated Load on Versadjust Pedestals	CISCA Section 1: Concentrated Loads	Maximum Total Load 1,000 lbs (453.59 kg) FoS:3
Uniform Load on Versadjust Pedestals	ICC ES AC300-2010	Maximum Total Load 688 psf (3359.09 kg/m ²) FoS:3

Care & Maintenance Considerations

Bison Wood Tiles are an ideal long-lasting, low-maintenance decking solution providing warmth, excellent weather resistance, and architectural charm to decks.

Wood Characteristics

Bison Wood Tiles are made of South American (Cumaru, Ipê, Garapa, Itauba, and Tigerwood) and Chinese (Fused Bamboo) hardwoods which contain a rich variety of graining and coloration, are exceptionally dense, and resistant to insects. Bison Wood Tiles are a natural material that can absorb or lose moisture in different climates. The natural shading, coloration, and graining variations add to the architectural character and overall visual appeal of the finished product.

Being a natural product, Bison Wood Tiles will react to the surrounding environmental conditions. Surfaces may spot or stain when exposed to various materials including: metal, steel, iron, or aluminum filings, pieces, equipment, tools, or fasteners; iron enriched fertilizers; plant debris; animal urine; beverage, food, or grease spills; or mildew that naturally occurs in humid or moist locations. To avoid spotting or staining during construction, Bison recommends covering the deck to reduce exposure to metal that could rust and react with the deck surface.

Cleaning, Sealing, & Staining

Bison Wood Tiles are made of hardwoods that will weather over time, developing a silvery-gray patina. In order to maintain the original coloring, Bison Wood Tiles can be periodically cleaned and sealed. Use deck products designed for hardwoods. Spot cleaning can be done, but for a consistent appearance, Bison recommends cleaning the entire deck. Most decks need to be cleaned after installation is complete.

Test any cleaners, brighteners, or sealants in an inconspicuous area first before applying them to the installed deck. In addition, always check with the manufacturer of your roof membrane to ensure that any cleaning solution, stain, oil, deck brightener, or bleach will not compromise or damage the waterproofing membrane. Remember to use safety glasses, respirators, and gloves in handling any materials that contain chemicals. Refer to product manufacturer's SDS for more information on chemical components and safe handling practices. CAUTION: Do not scrub tiles with wire, iron, or steel brushes.

The following manufacturers offer products specifically designed for use with dense hardwoods: Messmer's, Penofin, Defy, and TimberPro. Follow the manufacturers' instructions and repeat as needed to clean stubborn stains. Rinse the deck, adjacent walls, and surrounding areas thoroughly with water prior to and after using wood cleaners or brighteners. Once cleaned and dry, you may apply a UV finish or sealant to the wood if desired.

NOTE: Additional Bison Wood Tile Care & Maintenance Considerations and Wood Tile Cleaning Recommendations are available online at www.bisonip.com.