



BALDOSAS DE MADERA

Agosto 2022

## BELLEZA, LONGEVIDAD Y VALOR EXCEPCIONAL

### BALDOSAS DE MADERA BISON

Las baldosas de madera de Bison ofrecen flexibilidad del diseño para crear espacios exteriores versátiles y únicos. Las maderas duras cosechadas de manera responsable son resistentes al exterior y están disponibles en especies estándar y certificadas FSC® (SCS-COC-002585).

- Las especies incluyen: Bambú, Cumarú, Garapa, Ipe, Itauba y Tigerwood.
- El Kit de sujeción Bison FS-1 y el diseño de corte continuo Kerf permite una fácil fijación extracción y eliminación de baldosas.
- Medidas modulares: 2' x 2', 4' x 2', 6' x 2', 8' x 2', y 30" x 30"
- Los pedestales deben de estar espaciados en una cuadrícula de 2' x 2' para todos los tamaños de baldosas Bison\*
- Disponible en tamaños personalizados.
- Garantía total del Sistema de pedestales Bison disponible después de la instalación.
- Puede estar cubierto por una o más patentes.
- El Sistema de baldosas de madera Ipe de Bison pueden cumplir con:
  - ASTM E108 Clase A- Propagación de flama
  - ANSI A137.1 Resistente al deslizamiento
  - Criterio de elevación por viento establecido por ASCE 7\*\*
  - Categoría de diseño sísmico (SDC)



\*Baldosas de madera Bison 30" x 30" instaladas en una rejilla de 30"

\*\*Los documentos de "Elevación por vientos" no vienen incluidos.

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Cubierto por una o más patentes o patentes pendientes.





















## 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](http://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](http://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 <sup>2</sup> ) 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](http://www.bisonip.com).