

# Hydrotech® Bison Wood Tile

formerly known as Bison Wood Tile



BUILDING TRUST



## GENERAL DESCRIPTION

Bison Wood Tiles are square and rectangular shaped pavers manufactured from Ipê and FSC certified Massaranduba tropical hardwoods. The slats of wood that make up the top of the pavers are secured to three bottom wood braces and spaced approximately 3/16 inch apart. The top surface of the Wood Tiles is either ribbed for slip resistance or smooth (Ipê only). The Wood Tiles are 1.69 inches thick.



## BASIC USE

Bison Wood Tiles can be installed like typical concrete pavers as the finished surface of a terrace or walkway within the Hydrotech Ultimate® or Garden Roof® Assemblies either alone or mixed with other types of pavers. The Wood Tiles are typically installed on Hydrotech Adjustable Pedstals and secured to the top of each pedestal with the FS1 fastening kit. The perimeters must be restrained by 0.080 gauge perimeter metal flashing.

## LIMITATIONS

- Wood Tiles cannot be used to replace concrete pavers or gravel for ballast weight in a PMR application.
- Loose laid STYROFOAM® insulation must be properly ballasted beneath the Wood Tiles in accordance with TechNote 508 or other appropriate ballast design guidelines. Consult Hydrotech for more information.
- Wood Tiles may not be appropriate for applications higher than 5 stories (50 feet) or in areas where the design wind speed exceeds 90 mph.

## CARE

Wood Tiles are an untreated, low-maintenance, natural product that have variations in color and grain. Left to weather naturally and, depending on climatic conditions, the tiles will develop an aged patina and faded coloring. All wood is subject to weathering and erosion from sun, wind, debris, and precipitation. Before applying any finish, first clean the wood tile. The following manufacturer's offer products specifically designed to clean, seal, and stain Ipê or teak: Cabots, Penofin, Messmers.

## SIZE

Standard size for Wood Tiles are 23 7/8 inches square and 1.69 inches thick (both wood species). Ipê Wood Tiles are also available in 23 7/8 inches x 47 7/8 inches x 1.69 inches.

## TECHNICAL DATA

| PROPERTY        | VALUE   |
|-----------------|---|
| COLOR†          | BROWN   |
| JANKA HARDNESS‡ | 3,190 lb. - Massaranduba<br>3,680 lb. - Ipê                 |
| WEIGHT          | 6.13 lb. / sq.ft. - Massaranduba<br>5.63 lb. / sq.ft. - Ipê |

† Ipê/ Massaranduba wood may be treated periodically with oil to preserve the original color or left untreated and allow to naturally age.

‡ Wood hardness comparison: Northern Red Oak = 1,290 lb.; Teak = 1,000 lb.; Douglas Fir = 660 lb.



Insert FS1 washer in the slot between the top slat and bottom brace.



Secure the washer with the screw included. Make sure that washer hooks all four wood tile corners.



The FS1 washer is made with a notch to allow easy post-installation removal of individual tiles. To remove a tile loosen screw and with a screwdriver rotate washer to unhook one corner.

**LEED® INFORMATION**

|                                | Credit 4 | Credit 5              | Credit 7   |
|--------------------------------|----------|-----------------------|------------|
| Recycled Content (% by weight) | 0        |                       |            |
| Manufacture Location           |          | Brazil, South America |            |
| Extraction/Harvesting Location |          | Brazil, South America |            |
| FSC Certified 100%             |          |                       | Available* |

\* Contact American Hydrotech for more information

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