

COMMERCIAL

HOSPITALITY

RESIDENTIAL

RETAIL



# GreenbioWood

HARDWOOD FLOORING  
BY LATCO



We haven't just improved hardwood.  
We've improved nature.

## GreenbioWood floors are like no other floors on the market.

Our hardwood flooring combines timeless beauty and environmental sustainability with unsurpassed performance in fire resistance, smoke reduction, and temperature stability.

GreenbioWood uses a patented process to create hardwood from fast-growing, sustainably harvested pine. This innovative process replaces the air and moisture in the solid wood with organic, cellulose-based biopolymers, essentially adding wood to the wood on a molecular level. So, from rapidly renewable softwood resources, you get dense, highly stable hardwoods that would take centuries to grow.

GreenbioWood's patented technology delivers benefits ordinary hardwood can't match:

- Certified Class 1 fire resistant – ASTM E648-08
- Exceeds smoke density standards – ASTM E662-09
- Janka hardness rating 1360 – same as White Oak
- Temperature-stable, approved for heated floors – ASTM D1037

And, GreenbioWood protects the environment better too, qualifying for LEED credit in three categories:

- FSC-Certified, sustainably forested wood – LEED MR 7
- Meets CAL 01350 low emissions specifications – LEED EQ 4.4
- Made from rapidly renewable pine – LEED MR 6



GreenbioWood has options to complement any decor, from the old-world luxury of deep hand sculpting to the contemporary look of silky-smooth satin. And, the rich color and hardness permeate each piece of wood, for maximum wear and longevity.

No other flooring surface provides the same combination of beauty, durability, and environmental protection. GreenbioWood combines high tech and high design. So you can take your floors to a higher level.



# GreenbioWood isn't just a greener floor. It's a better, safer floor.

GreenbioWood turns pine into hardwood by replacing its air and moisture with organic, cellulose-based biopolymers, adding wood to the wood on a molecular level. The patented Greenbio process creates a dense, highly stable hardwood material from fast-growing softwood resources, with no formaldehyde or toxic chemicals.

No toxic chemicals No formaldehyde U.S. tested and certified

GreenbioWood is tested and certified in the U.S. by a fully accredited lab under the auspices of the National Institute of Standards and Technology (NIST), part of the U.S. Department of Commerce.



The tests prove that GreenbioWood hardwood flooring exceeds Class 1 fire resistance requirements by a wide margin, which means fire is 47% less likely to spread. That's a significant margin of safety for your building – and your building's occupants.

In addition, GreenbioWood produces half the smoke allowed by the Class 1 standard, as certified by testing to ASTM E662-09 protocols.

That makes a visible difference in keeping rooms and passageways clear, and reduces the risk of harm from smoke inhalation – again, providing a safer environment.

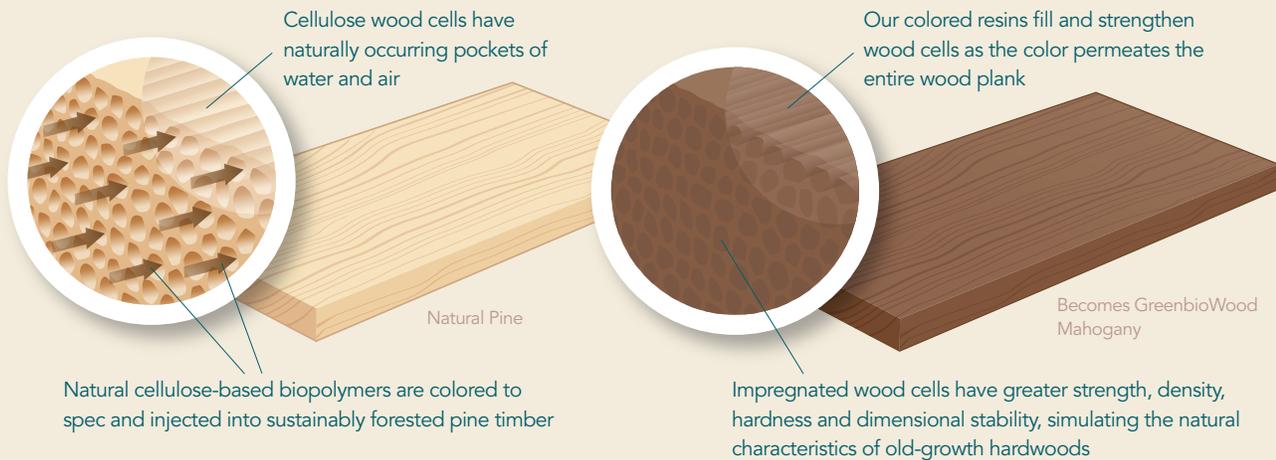


\*The Critical Radiant Flux can be defined as the minimum radiant energy a fire needs to sustain flame propagation on the material. The lower the CRF result number the greater the tendency of the material to spread flame. That is, the CRF is a measure of the minimum amount of energy required to ignite and sustain a flame in the flooring.

GreenbioWood is better than hardwood. It's more fire resistant than other Class 1 rated hardwoods. It exceeds standards for smoke density.

## Inside GreenbioWood's Revolutionary Technology.

GreenbioWood's patented organic technology creates an entirely new wood flooring material that surpasses other medium-to-high density hardwoods for durability, strength and fire resistance.



GreenbioWood hardwood flooring combines the timeless beauty of nature with the state-of-the-art safety of the latest technology. So your building has floors that are truly the best of both worlds.

# GreenbioWood is green all the way through.

Hardwood trees take a century or longer to grow. And the harvesting of some species of wood – such as teak – contribute to the shrinkage of our planet’s priceless rain forests. GreenbioWood combines the beauty of hardwood with the beauty of sustainable, environmentally responsible production.



The Forest Stewardship Council is an independent, non-profit organization established in 1993 to promote responsible management of the world’s forests. GreenbioWood is made from fast-growing pine, grown in FSC-certified forests. GreenbioWood is unique among hardwoods because it is both a sustainable and rapidly renewable resource.

The patented Greenbio process uses no toxic chemicals or compounds so it has very low emissions. Because GreenbioWood is environmentally sustainable and uses zero formaldehyde, it easily meets the requirements of California Air Resources Board regulation CAL 01350.



The Lacey Act was originally enacted in 1900, but it was updated in 1980 with provisions designed to deny illegal logging operations access to the American market. It protects millions of acres of forest worldwide from deforestation. The pine used to make GreenbioWood is grown in the U.S. So it not only complies with the Lacey Act, but it also supports American sustainable forestry.

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System was developed by the U.S. Green Building Council to certify best-in-class green building practices. GreenbioWood qualifies for LEED credits in three categories:

- MR 7 – sustainably forested
- EQ 4.4 – low emissions
- MR 6 – rapidly renewable resource



# About GreenbioWood.



GreenbioWood uses the latest technology and state of the art manufacturing, specializing in the development of better, safer, more-sustainable building materials – not because it's trendy, but because it is the right thing to do.

With its GreenbioWood Hardwood Flooring, GreenbioWood pioneered an entirely new process for turning fast-growing, sustainably harvested pine into an all-natural hardwood superior to any hardwood in nature.

But GreenbioWood's vision goes beyond the product. Our goal is to create a total product lifecycle that reduces our environmental footprint at every step, from production, through distribution, installation, and maintenance, all the way to recycling and reusing the materials at the end of their service life.

Along the way, GreenbioWood delivers products with both the style and the quality to endure long past the whims of fashion. They are classically beautiful, timelessly stylish, and made for a lifetime.

As part of Latco International, Inc., GreenbioWood carries on a 75-year corporate heritage of old-world craftsmanship, high-tech efficiency, and sustainable practices. Latco International is a U.S.-based company headquartered in San Francisco, California with manufacturing facilities in Mexico.

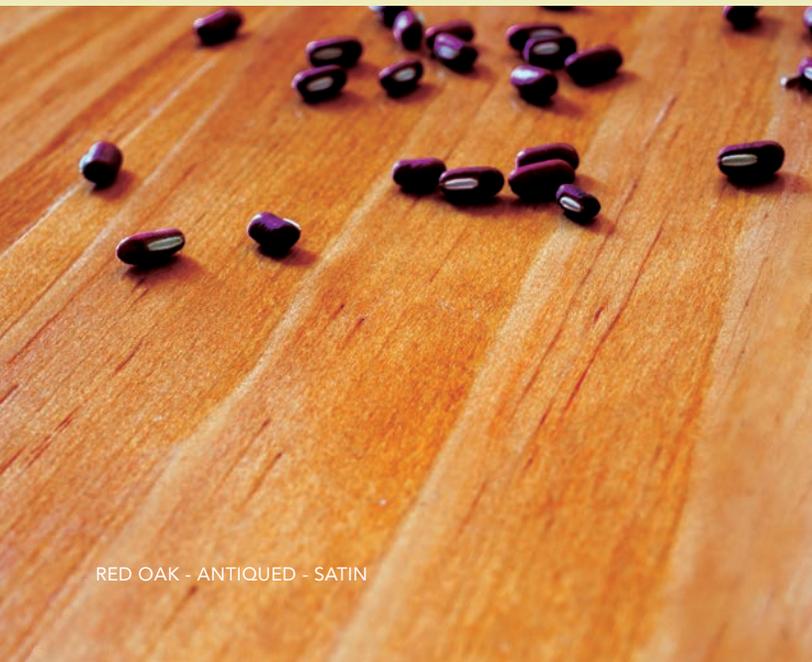


# Red Oak

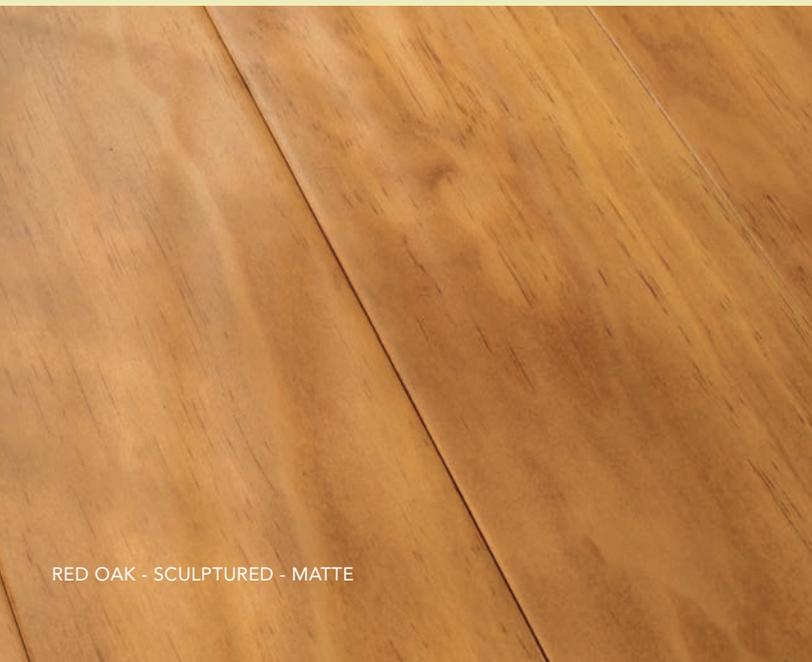


RED OAK - TEXTURED - MATTE

RED OAK - SMOOTH - MATTE



RED OAK - ANTIQUED - SATIN

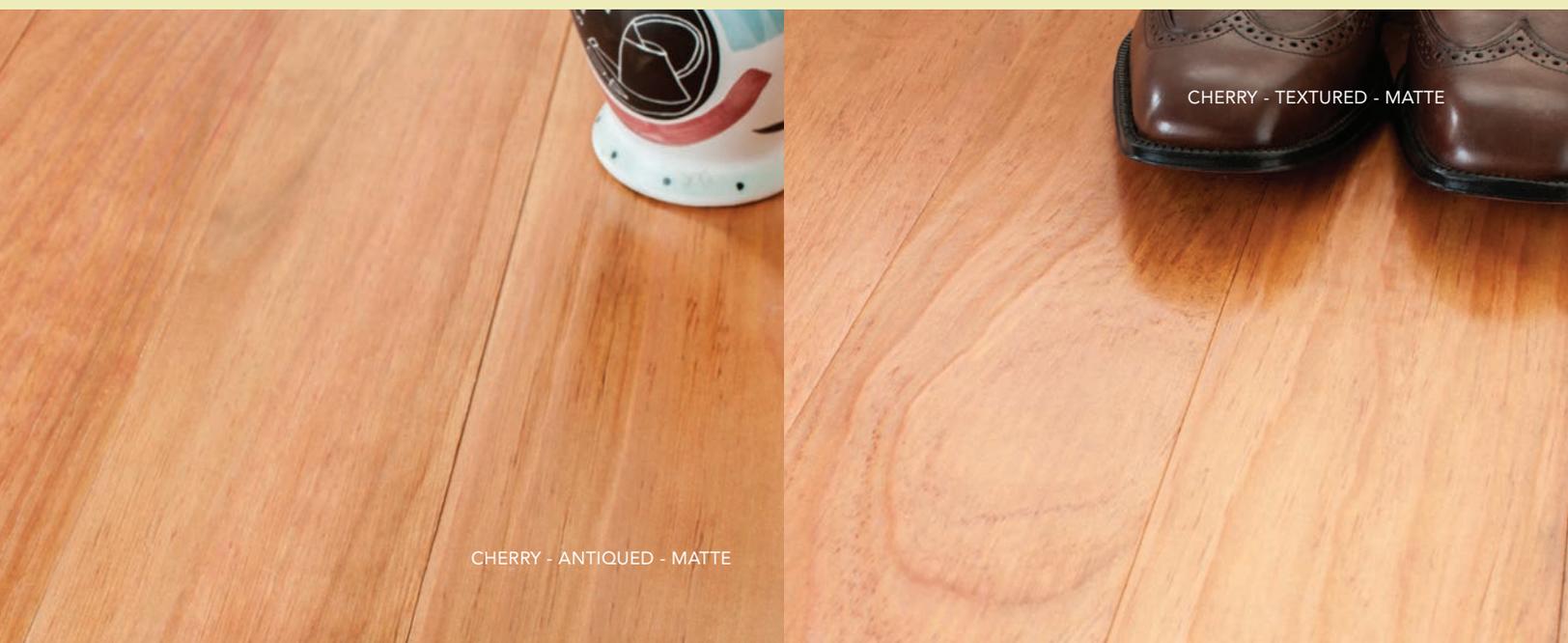


RED OAK - SCULPTURED - MATTE

# Cherry



CHERRY - SCULPTURED - MATTE



CHERRY - TEXTURED - MATTE

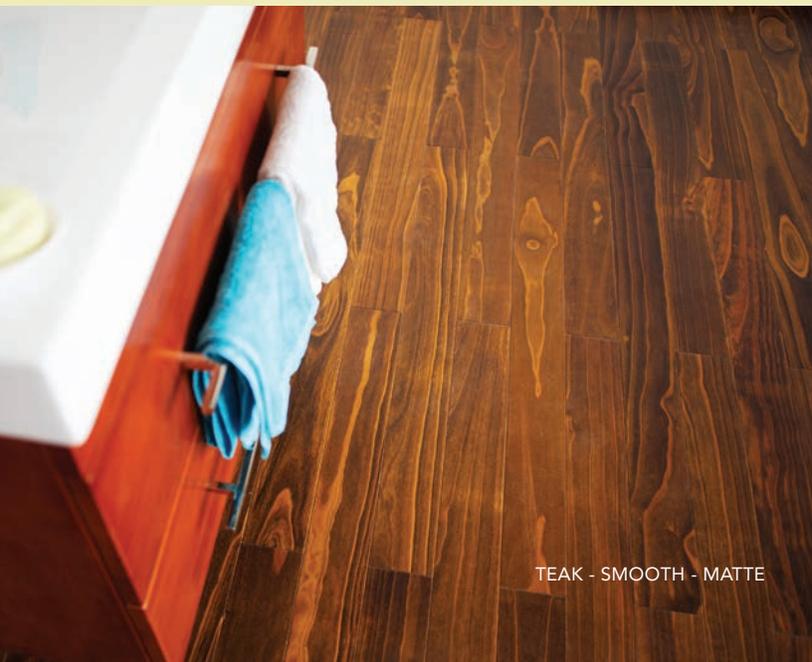
CHERRY - ANTIQUED - MATTE

# Teak

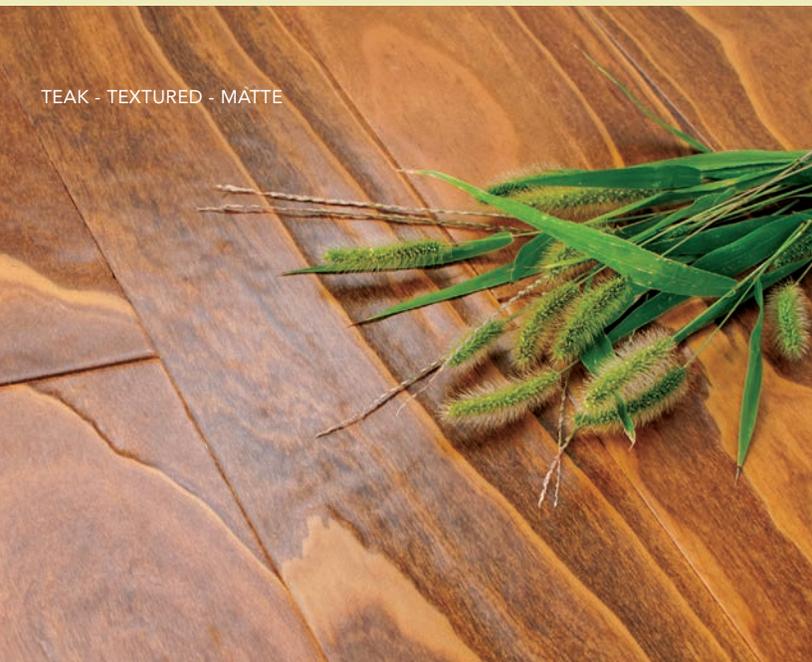


TEAK - ANTIQUED - SATIN

TEAK - SMOOTH - MATTE



TEAK - SMOOTH - MATTE



TEAK - TEXTURED - MATTE

# Walnut



WALNUT - TEXTURED - SATIN

WALNUT - SCULPTURED - SATIN



WALNUT - ANTIQUED - SATIN



WALNUT - TEXTURED - MATTE

# Mahogany



MAHOGANY - TEXTURED - SATIN

MAHOGANY - SMOOTH - MATTE

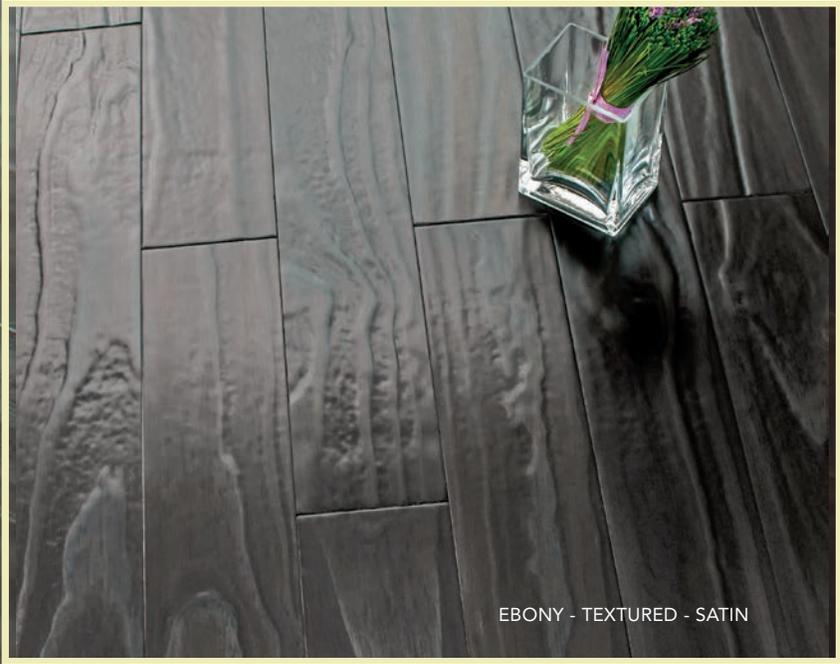


MAHOGANY - SMOOTH - MATTE



MAHOGANY - SMOOTH - MATTE

# Ebony



EBONY - TEXTURED - SATIN

EBONY - SCULPTURED - MATTE



EBONY - ANTIQUED - SATIN



EBONY - SCULPTURED - MATTE

# Details make the difference.

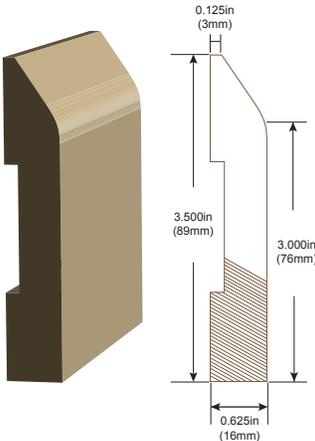
Traditional or funky, subtle or dramatic, GreenbioWood Hardwood Flooring delivers the look you want right down to the smallest details.

All our trim pieces are made from the same sustainably sourced, non-toxic hardwood as our flooring, for easy handling, simple maintenance, and long life. And, they're available in perfectly matched wood styles, finishes, and coatings.

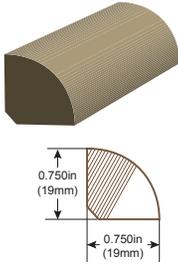
Choose genuine GreenbioWood Hardwood Flooring accessories to ensure that your flooring installs easily and impeccably.

## TRIM

### Wall Base

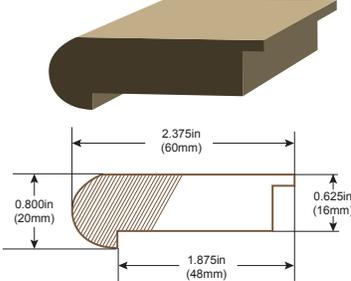


### Quarter Round



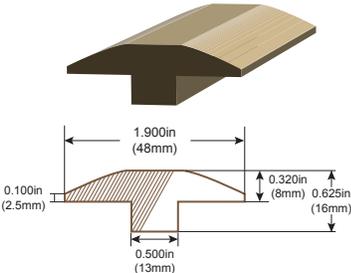
## STAIR PARTS

### Stair Nosing

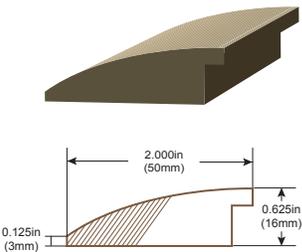


## TRANSITIONS

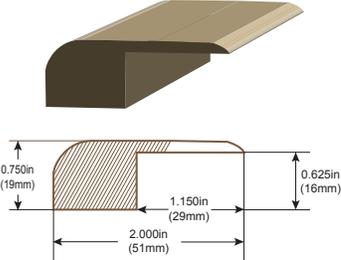
### T-Molding



### Reducer



### Floor Reducer



All accessories are available to match your choice of hardwood flooring. Contact your dealer for details.

# Specifications

## SURFACE

Smooth | Sculptured | Textured | Antiqued

## MILLING

Glueless, self-locking system

Micro-bevel edges and ends

## WARRANTY

20-year residential finish & structure warranty

5-year heavy-use commercial finish & structure warranty

## INSTALLATION

Nail, Glue or Float (see installation guidelines)

May be installed over radiant floor heating systems

## DIMENSIONS

1/2" x 3.5" x 35.8"

(13mm x 90mm x 910mm)

5/8" x 3.5" x 35.8"

(16mm x 90mm x 910mm)

11/16" x 3.5" x 35.8"

(18mm x 90mm x 910mm)

1/2" x 2" x 23.6"

(13mm x 50mm x 600mm)

5/8" x 4.7" x 35.8"

(16mm x 120mm x 910mm)

11/16" x 4.7" x 35.8"

(18mm x 120mm x 910mm)

1/2" x 2" x 35.8"

(13mm x 50mm x 910mm)

5/8" x 5.3" x 35.8"

(16mm x 135mm x 910mm)

11/16" x 5.3" x 35.8"

(18mm x 135mm x 910mm)

1/2" x 2" x 47.2"

(13mm x 50mm x 1200mm)

5/8" x 5.3" x 47.2"

(16mm x 135mm x 1200mm)

11/16" x 5.3" x 47.2"

(18mm x 135mm x 1200mm)

5/8" x 5.3" x 70.9"

(16mm x 135mm x 1800mm)

11/16" x 5.3" x 70.9"

(18mm x 135mm x 1800mm)

5/8" x 5.3" x 78.7"

(16mm x 135mm x 2000mm)

11/16" x 5.3" x 78.7"

(18mm x 135mm x 2000mm)

5/8" x 2" x 23.6"

(16mm x 50mm x 600mm)

11/16" x 2" x 23.6"

(18mm x 50mm x 600mm)

## FINISH

Matte | Satin

## COATING

UV cured acrylic

Biomass Oil Stain

Standard:

- Fire resistant to level B

Optional:

- Fire resistant to level A
- Outdoor weather proofing

Mahogany & Teak Only

# Everything about GreenbioWood Hardwood Flooring is inspiring.

GreenbioWood Hardwood Flooring is an entirely new green technology: all-natural, non-toxic, long-lasting hardwood made from fast-growing, sustainably harvested pine. And if that's not inspiring enough, it also offers the artisanal look of some of the world's most beautiful – and environmentally threatened – hardwoods.

GreenbioWood Hardwood Flooring has been installed in marquee settings around the world, including: the Fairmont Peace Hotel, Shanghai China, the Narita Airport, Japan and AD WORLD DESIGN, Tokyo Japan.

Inside you'll find a sampling of how some designers and architects have chosen to take advantage of GreenbioWood Hardwood Flooring in hospitality, retail, commercial, and residential projects.

## GreenbioWood

HARDWOOD FLOORING  
BY LATCO

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GreenbioWood Hardwood Flooring was developed and designed in the USA and is 100% American owned.