

Strandwoven®
Flooring

TIMBER / BAMBOO / DensaCORE



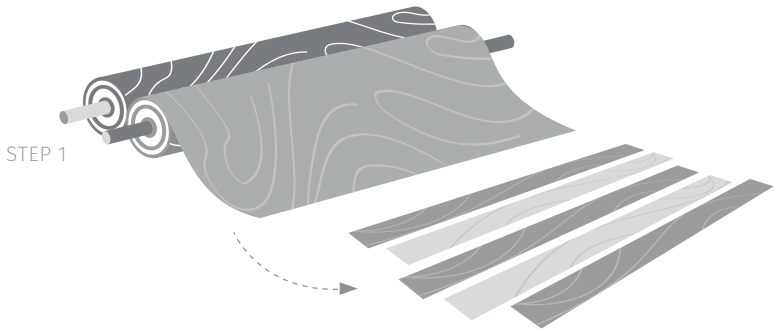
WWW.SUSTAINABLEFLOORING.COM

Strandwoven® Flooring is...

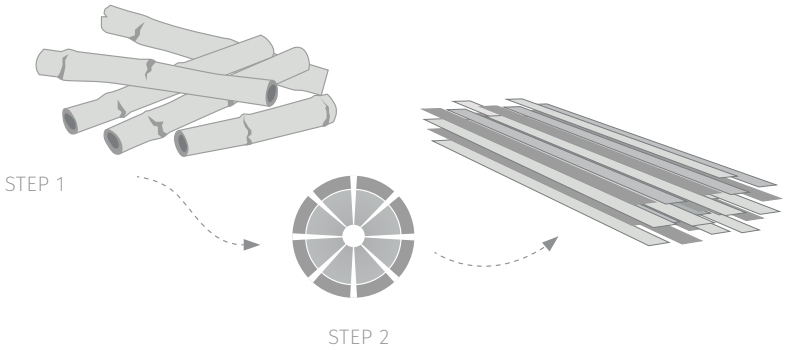
Strandwoven® is an extremely dense and stable flooring that is made via 'stranding' and compressing input raw materials (wood veneers or bamboo strips) into a densified log, which can then be fabricated into planks. The wood products are called Strandwoven TIMBER, and the bamboo is divided into two product lines: Strandwoven BAMBOO and DENSACORE, based on the substrate used.

RAW MATERIAL PROCESSING

TIMBER - veneer cut into strips

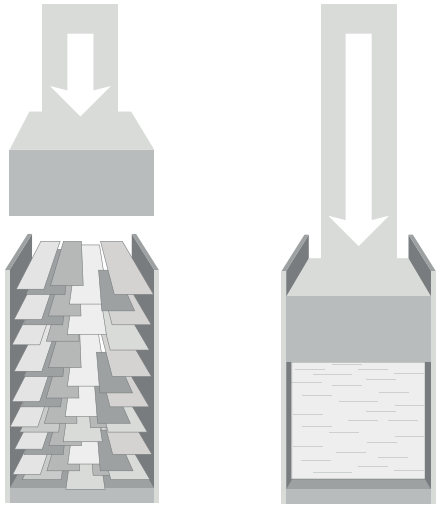


BAMBOO/DensaCORE – bamboo turned into strips



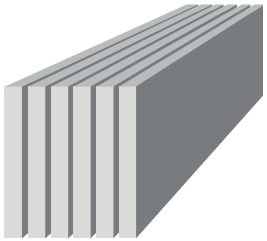
COMPRESSION

Once the wood or bamboo material is processed into strips, a light adhesive is applied to the material before being stacked into a form and compressed under between 3600-4000 tons of pressure into a densified log. Once compressed, it is cured under heat, and then the log is milled into solid planks or veneers t make flooring and/or panels.



MILLING

Dense log cut
in slats to make
solid strips



The Strandwoven process uses what can effectively be considered timber or bamboo 'scrap' input material (much of it being 'by-product' from other operations), ensuring waste is reduced while carbon sequestration and storage is maximized."

This process provides these notable characteristics when the material is used as flooring:

- *Less dents and scratches due to hardness (= lower 'wear')*
- *Less frequent maintenance needed (= lower 'costs' over time)*
- *Greater longevity (= much longer lifespan, minimizing replacement)*

Strandwoven®
TIMBER







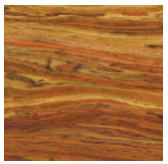
Strandwoven TIMBER is a unique and beautiful, commercial-grade densified wood that offers over 3.5x the hardness and stability of Oak. Made by using our proprietary and patented process *(USPTO: 3803-001 PCT.US – "Method of Forming a Reconstituted Wood Block").* Strandwoven TIMBER provides 'reciped' visuals that vary based on the source, size and selection of input fibers. Though the product line is expanding, our main recipes are Sunburst (a vibrant mix of stained veneers) and Natural (a mix of natural and steamed softwood). TIMBER is available as Prefinished (beveled) and Unfinished (square edged for a seamless installation), which can further be 'stained for a truly customized look.

- *Compared to OAK – 3.5x hardness (ie: less denting) and 3x stability (ie: less expansion/contraction)*
- *Made from 'by-product' inputs and veneers*
  Class "A" for fire (ASTM E84) – ie: suitable for Class A wall installations
- *Compliance: CARB Phase 2, NAUF, LEED, EPA TSCA Title VI*
- For use on floor and walls

Colors:



Natural



Sunburst (Unfinished)



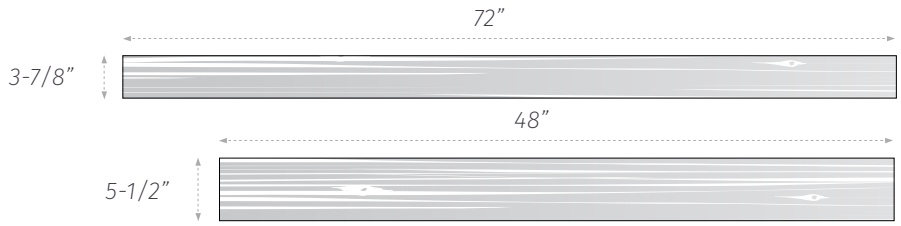
Mocha



Flatirons

Technical Data:

Size: ***Sunburst, Mocha, Flatirons:*** *3-7/8" x 72" x 9/16" (T&G)*
Natural: *5-1/2" x 48" x ½" (T&G)*

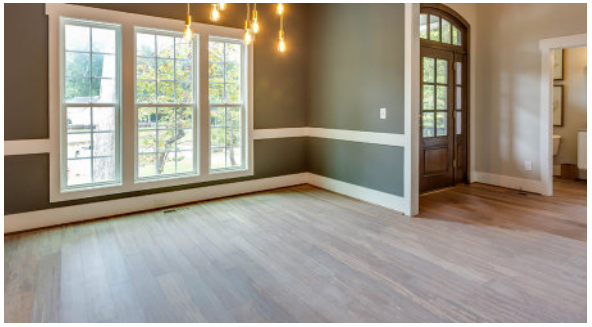


Finish: *7-coats 'commercial-grade' water-based urethane (for Natural, Mocha, Flatirons)*
(Sunburst comes 'unfinished')*
Installation: *Nail/Staple/Glue*
Accessories: *Inquire for list*

Strandwoven®
BAMBOO







Strandwoven BAMBOO employs the Strandwoven technology, using small strands of fast-growing bamboo as the input material. By minimizing the strand size (ie: consider the diameter of a chopstick), inherent fiber memory is minimized, ensuring that when compressed the material retains its' shape. Our BAMBOO is has a hardness 3x that of commonly used White Oak, with much greater stability. Our BAMBOO is available in prefinished (in natural shades, as well as stains; all with a micro-bevel), and in unfinished (square edged – to allow site finishing and a seamless installation).

- *Compared to OAK - 3x hardness (ie: less denting) and 2.5x stability (ie: less expansion/contraction)*
- *Made from 'rapidly-renewable' bamboo (5-year harvesting cycle)*
- *Compliance: CARB Phase 2, NAUF, LEED, EPA TSCA Title VI*

Colors:



Light



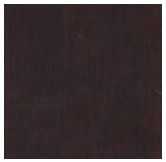
Palamino



Dark



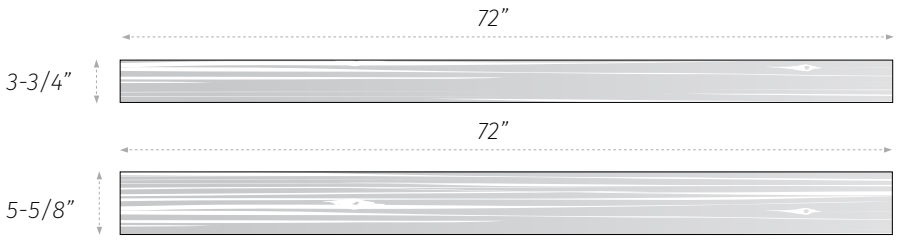
Misty Grey



Espresso Scraped

Technical Data:

Size: ***Light/Dark/Unfinished:*** *3-3/4" x 72" x 9/16" (T&G)*
Light/Dark/'stains': *5-5/8" x 72" x 9/16" (T&G)*



Finish: *7-coats 'commercial-grade' water-based urethane (or Unfinished)*
Installation: *Nail/Staple/Glue*
Accessories: *Inquire for list*

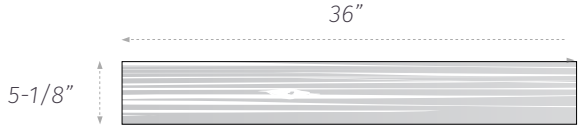
Strandwoven®
DensaCORE

DensaCORE is our Strandwoven BAMBOO, which is veneered and then mounted onto a ground up naturally occurring stone core made of Calcium Carbonate. Not only does the DensaCORE visually mimic our Strandwoven Bamboo (because that is what it is), you get the added benefit and water resilience and density of this cutting-edge core material. Though designed for commercial applications where the standard installation is via the glue-down method, DensaCORE can also be 'floated'. Available in the steamed Dark version as found in Strand woven BAMBOO, as well as a curated selection of topically stained options.

- *Janka Hardness ≥ 5400 (ie: over 4x harder than Oak)*
- *Water-proof composite limestone core enables use in the most demanding and rigorous environments*
- *Made with an integrated acoustical and dampening underlayment (Impact Insulation Class [IIC] – 62; Sound Transmission Coefficient [STC] – 53)*
- *Compliance: CARB Phase 2, NAUF, LEED, Floorscore, European Super E0*

Technical Data:

Size: 5-1/8" x 36" x 9/32" ('click-lock')



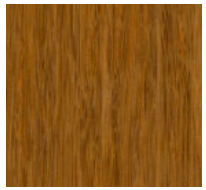
Finish: *7-coats 'commercial-grade' urethane*
Installation: *Glue-down or 'float'*
Accessories: *Inquire for list*

Colors:

Nantucket

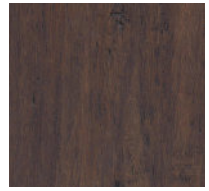

Nantucket

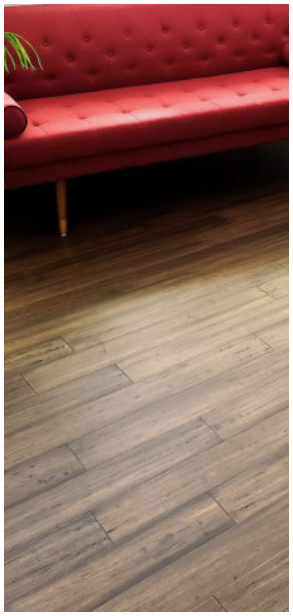

Driftwood


Dark


Cinamon

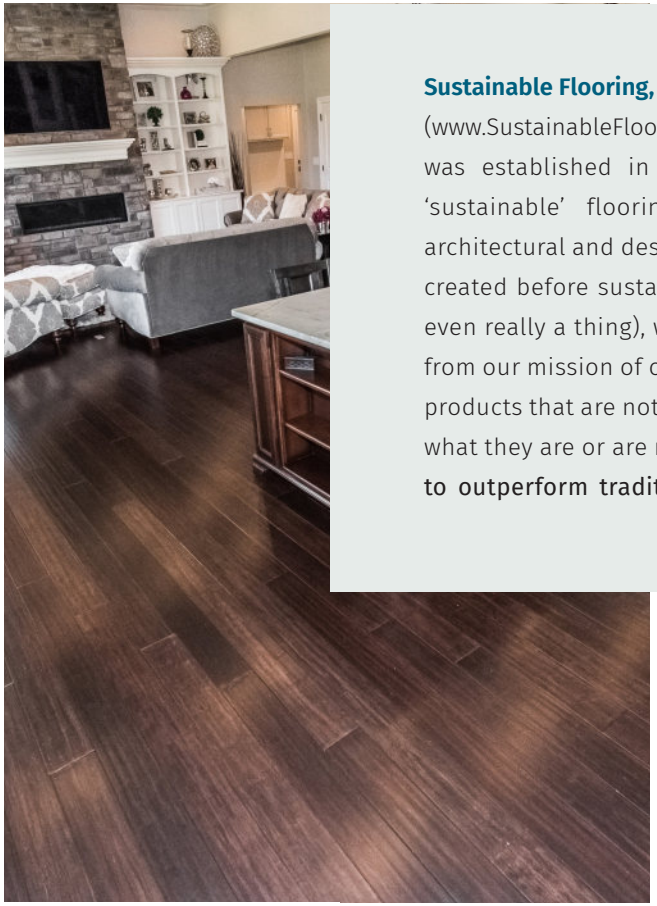

Weathered


Dark Walnut





Sustainable
Flooring is...



Sustainable Flooring, Inc
(www.SustainableFlooring.com)
was established in 2002 to bring truly 'sustainable' flooring products to the architectural and design channels. Though created before sustainability was cool (or even really a thing), we have never veered from our mission of offering differentiated products that are not only 'sustainable' (in what they are or are not) but are **designed to outperform traditional products.**

SUSTAINABLE
FLOORING

If you are interest in wall or ceiling products, please visit our 'sister' company: Sustainable Materials (www.SustainableMaterials.com)



By adopting this philosophy of product development and curation, our products maintain 'value' to those who are sustainably minded, but also to the people who disregard environmental considerations in purchasing all together. Under our rationale.... a better product, is in fact a better product – but, if it is also 'sustainable', then it is the best product.

We bring sustainable global flooring innovations to market, focusing on 'best-in-class' durability with sustainable manufacturing and sourcing, that provides a unique market position focusing on holistically superior products.

Our manufacturing partnerships run deep and are vetted based upon strict environmental and quality considerations. We bring industry leaders and their cutting-edge materials together – in an accessible and easy to manage portfolio of products. We believe in 'sustainability', but lead with quality, durability, and longevity!

STRANDWOVEN® TIMBER		
Dimensions	*Sunburst, Mocha, Flatirons: 3-7/8" x 72" x 9/16" (T&G)* *Natural - 5-1/2" x 48" x ½" (T&G)*	
Installation	*Glue-down or nail/staple*	
Test:	***Method:***	***Results:***
Hardness	*ASTM D 1037 (ie: Janka Ball)*	*≥ 3820 lbf. (avg) Sunburst, Mocha, Flatirons* *≥ 3520 lbf. (avg) Natural*
Tensile Strength	*ASTM D 3500*	*Minimum 14,570 psi (103.1 MPa) parallel to grain*
Compressive Strength	*ASTM D 3501*	*≥ 7,459 psi (51.4 MPa) parallel to grain*
Abrasion Resistance	*ASTM D 4060*	*14,000 cycles (min. - final wear-through)*
Slip Resistance	*ASTM D 2394*	*Static Friction Coefficient 0.562* *Sliding Friction Coefficient 0.497 (can be 'customized' via coating application)*
Flammability	*ASTM E 648*	*Class I Interior Floor Finish rating per NFPA 101*
Smoke Density	*ASTM E 622*	*269 in flaming mode* *329 in non-flaming mode*
Formaldehyde Emissions	*ASTM E 1333*	*0.02 ppm avg. Phenol (NAUF – No Added Urea Formaldehyde inclusion acceptable)*

STRANDWOVEN® BAMBOO		
Dimensions	*Light/Dark/Unfinished: 3-3/4" x 72" x 9/16" (T&G)* *Light/Dark/'stains': 5-5/8" x 72" x 9/16" (T&G)*	
Installation	*Glue-down or nail/staple*	
Test:	***Method:***	***Results:***
Hardness	*ASTM D 1037*	*≥ 3200 lbf. (avg.)*
Tensile Strength	*ASTM D 3500*	*Minimum 15,300 psi (105 MPa) parallel to grain*
Compressive Strength	*ASTM D 3501*	*≥ 7,600 psi (52 MPa) parallel to grain* *≥ 2,624 psi (18 MPa) perpendicular to grain*
Abrasion Resistance	*ASTM D 4060*	*12,600 cycles (min. – final wear-through)*
Slip Resistance	*ASTM D 2394*	*Static Friction Coefficient 0.562* *Sliding Friction Coefficient 0.497 (can be 'customized' via coating application)*
Flammability	*ASTM E 648*	*Class I Interior Floor Finish rating per NFPA 101*
Smoke Density	*ASTM E 622*	*270 in flaming mode* *330 in non-flaming mode*
Formaldehyde Emissions	*ASTM E 1333*	*0.02 ppm avg. Phenol (NAUF – No Added Urea Formaldehyde inclusion acceptable)*

STRANDWOVEN® DensaCORE		
Dimensions	*5-1/8" x 36" x 9/32" ('click-lock')*	
Installation	*Glue-down or Float*	
Test:	***Method:***	***Results:***
Hardness	*ASTM D 1037*	*≥ 5400 lbf. (avg.)*
Flammability	*ASTM E 648*	*Class I Interior Floor Finish rating per NFPA 101*
Smoke Density	*ASTM E 622*	*270 in flaming mode* *330 in non-flaming mode*
Slip Resistance	*ASTM D 2394*	*Static Friction Coefficient 0.562* *Sliding Friction Coefficient 0.497 (can be 'customized' via coating application)*
Abrasion Resistance	*ASTM D 4060*	*12,600 cycles (min. – final wear-through)*
Formaldehyde Emissions	*ASTM E 1333*	*0.02 ppm avg. Phenol (NAUF – No Added Urea Formaldehyde inclusion acceptable)*

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