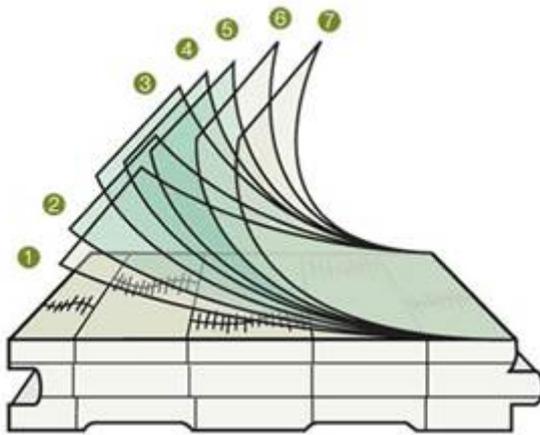


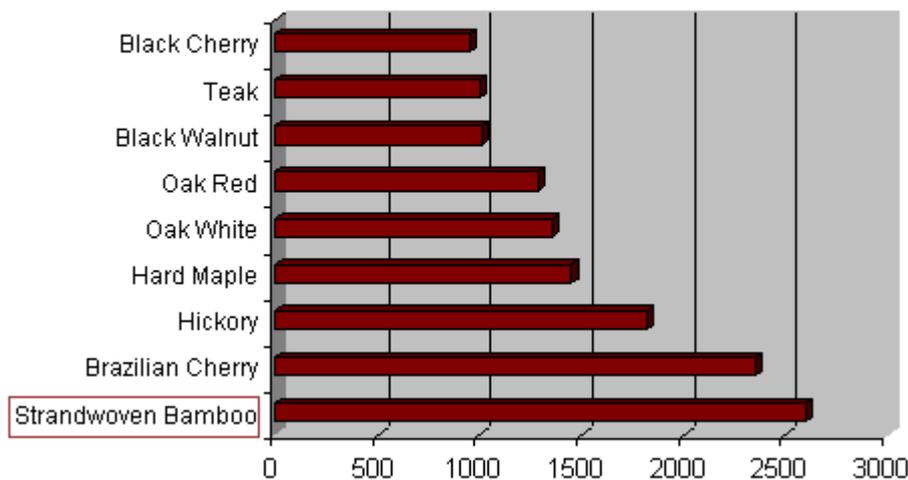
Bamboo Flooring Coating Layers



Layer	Commodity	Weight
1	UV Primer	10 - 15 g / m ²
2	UV Putty	15 - 20 g / m ²
3	Anti-Brasive	15 - 20 g / m ²
4	Anti-Brasive	15 - 20 g / m ²
5	Duro-Sealer	15 - 20 g / m ²
6	Antiscratch	4 - 6 g / m ²
7	Antiscratch	4 - 6 g / m ²

Bamboo Flooring Hardness

Hardness of Common Woods

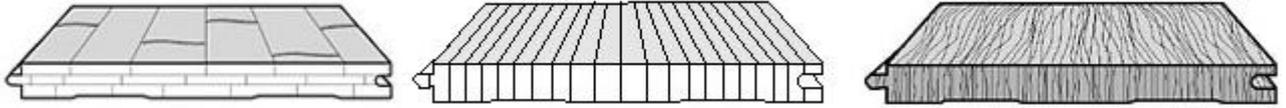


Bamboo flooring has 2 colors, Natural and Carbonized

Natural color: The natural color of bamboo is light yellow. It is the original color of bamboo strips. When bamboo is heated, different colors are produced. The more you heat the bamboo, the darker the color gets, and the bamboo becomes softer and less durable. So, choose a lighter shade for the floor, if you want a natural and more durable flooring.

Carbonized color: The carbonized color of bamboo flooring is steamed color of bamboo strips. Carbonized bamboo flooring comes in shades of coffee, caramel and honey. These different colors are obtained by boiling bamboo at different temperatures. This makes it around 20% softer. So it is not so durable compared to natural bamboo floor. But, if you are looking for a

specific color to match your home decor, carbonized bamboo flooring is a good choice.



Bamboo Flooring | Horizontal Grain

Bamboo Flooring | Vertical Grain

Bamboo Flooring | Strand Woven

Bamboo flooring has 3 structure/grains, Horizontal, Vertical and Strand.

Horizontal Bamboo Flooring: Horizontal grain is flat pressed with 3-ply structure. The bamboo strips are pressed in the same direction and paralleling with 3 layers. Horizontal bamboo flooring features a traditional, distinctive "knuckle" characteristic that repeats through the plank.

Vertical Bamboo Flooring: vertical grain is side pressed with 1-ply structure. The bamboo strips stand together in vertically, gluing and pressed. Bamboo strips are oriented on edge, reducing the visibility of "knuckles", and providing a cleaner, flowing appearance.

Strand woven bamboo flooring is made by compressing "strands" of the bamboo strips under intense pressure, while using a heat-sensitive low-VOC adhesive. Bamboo poles are split, shredded into individual strands, and fused under a cold press of 2,500 tons of pressure. After the curing process, the block is sliced into flooring with T+G system and coatings applied.

Finishing

Our bamboo flooring is pre-finished with a 7-stage water-based German-manufactured acrylic topcoat. The Treffert GmbH organization is a world renowned producer of quality industrial wood finishes and certifies that their UV Duro-Sealer and UV Anti-Scratch Top Coat are environmentally safe and free of any harmful chemical compounds.

The Treffert Industrial Wood Coatings utilized fulfill the following characteristics:

- Comply and exceed the EN71 Quality Standard
- There is no migration of hazardous elements
- There is no harm from direct skin or oral contact with coated surfaces
- According to the EN71, the products are suitable for all types of interior decoration
- The coatings are based on waterborne polyurethane dispersions or acrylated polymers
- The coatings are vinyl-free

- The coatings do not produce obnoxious gases when being burned or decomposed

Treffert UV Lacquers are free of Halogenated Hydrocarbons, Heavy Metals, Herbicides, Pesticides, Formaldehyde, and any harmful emissions.

Standard	Description	Result
EN 14354 - D	Abrasion (Falling Sand)	> 2000 (WR1)
EN 14354 - C	Impact / Elasticity	> 1200mm (EC2)
DIN 51960	Flammability	K1
EN ISO 2409	Cross Hatch & Removal	0
EN 438 - 2.14	Scratch	> 3.0N
ASTM D2197	Scrape Adhesion	> 2000g
ASTM D3359	Cross Hatch Adhesion	3B (<15% adhesion loss)
ASTM D4060	Abrasion	> 400
ASTM D3023	Stain	Cumulative Score <4

Adhesive

All of our bamboo flooring is made with ultra low VOC adhesives - Dynea which is a worldwide industrial adhesive manufacturer. Dynea is free of components classified as hazardous to the environment. There are no solvents, heavy metals, bactericides, or halogenated organic components.

When tested, our bamboo flooring emits an average of 0.02 ppm formaldehyde, which is significantly lower than the European E1 emission standard of 0.08 ppm formaldehyde off gassing. By using low VOC manufacturing adhesives, our bamboo flooring actively reduces the threat of interior pollution.

