

Strand Woven Poplar Flooring Overview

Strand woven poplar is a brand-new type of wood which made by compressing of strand of fast-growing poplar veneer under intense pressure. It has characteristic of high strength, large dimension, natural wood grain and excellent physical properties. Because of its incredible hardness, it is ideal for families with active lifestyles and pets or children. The pattern and marbling formed by the compression process creat beautiful and distinct patterns on the floor and plywood.

- Select poplar veneers carefully which have no scar, pattern Custom adhesive so as to ensure bond strength
- Special mildew-proof treatment
- Breakthrough innovation, stronger and more durable than bamboo decking without sacrificing beauty or function
- Special water repellent treatment
- Dimensionally stable and durable
- Slip resistant, UV tolerant
- Termite & White Ant resistant
- Fire retardant
- High quality birch plywood as to be base material
- Color: natural and customization
- Size: 2400*292*15/3mm and 2400*292*20/5mm
- Structure: 2 layers, the top is strand poplar plank, the bottom is plywood

Technology:

fast-growing wood logs--length determination-- peel the bark--dip into the alkaline water, boil and soften the logs--rotary cut into the veneer--klin drying--dip into the special solution to soften the veneer--drain and klin drying--dip into the special adhesive solution--drain and klin drying--weighing and put into the steel molds--the steel molds are bolted together at the top to maintain pressure--oven where heat is applied to the compressed blocks--remove from the molds--trimming and lay in the dry and ventilated place to cool and eliminate internal stress--saw into piece to drop the moisture--lay in the dry and ventilated place to drop the moisture--the flooring--saw and sand--tongue/grooved. Lacquer

Test Report :

Moisture: 6.5 %
Air-dry density: 1.041 g/cm³
Hardness (tangential face) 11360 N
Hardness (radial face) 11530 N
Shrinkage 9.1 %
Crushing strength parallel to the grain 113.3 Mpa
Elastic modulus 21360 Mpa
Static Bending strength 160 Mpa
Bending strength 1760.4 Mpa
Internal bond strength 1.84 Mpa
Nail-holding power 150 Mpa
Formaldehyde 0.01 mg/m³
Absorbent thickness expansion rate 1.6 %
FI GRA-0.2 MJ (fire growth rate index) W/S 97
600s within the total heat release (THR-600s) MJ 3.0
LFS (flame lateral spread length) negligible
Flame Height (edge ignition) 150 mm Fs
Flame Height (surface ignition) 150 mm Fs
Dropping Ignition Filter Paper (edge ignition 30s)
Dropping Ignition Filter Paper (surface ignition 30s)

Warranty

For Structural Defect (pull apart, delaminated, crack and separated), lifetime in residential applications and 10 years for commercial uses, the Aluminum Oxide Finish on our flooring products will not wear through, crack, separate or peel for 25 years from the date of purchase in residential applications under normal conditions and 5 years in commercial applications. Moldings are not covered under this warranty.

