

Strand Poplar Decking

Strand woven wood is a new type of wood which made by compressing of strand of fast-growing wood 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 create beautiful and distinct patterns on the floor and plywood.

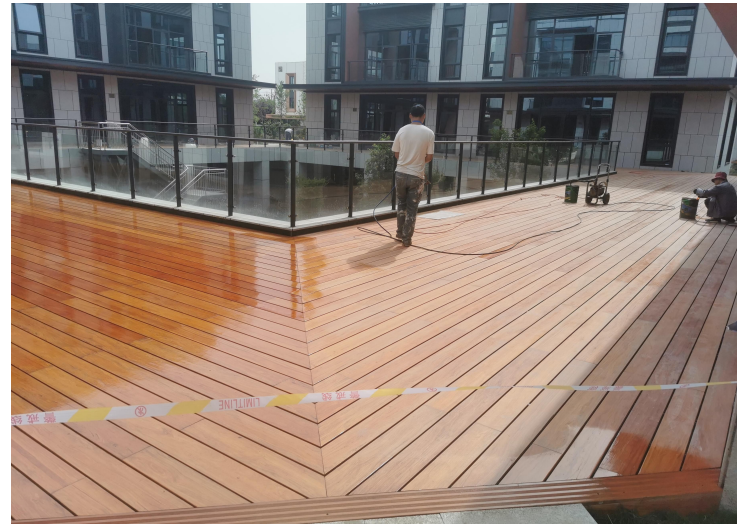
- Select poplar veneers which have no scar, knot or worm-hole
- Custom adhesive so as to ensure bond strength
- Special mildew-proof treatment
- Breakthrough innovation, stronger and more durable than bamboo decking without sacrificing beauty or function
- Special water repellent treatment
- Dimensionally stable and durable
- Slip resistant, UV tolerant
- Termite & White Ant resistant
- Fire retardant
- Color: natural and customization
- Size: 2400 x 145 x 18 mm and 2400 * 292 * 23 mm

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—klien 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— high pressed under 3000 ~ 3200 tons of pressure, the steel molds are bolted together at the top to maintain the pressure —moved to the conveyer oven where heat is applied to the compressed blocks—cooled—the stabilized blocks are removed from the molds—trimming and lay in the dry and ventilated place for 25 days at least so as to fully cool and eliminate internal stress—saw into pieces as per requirement—lay in the balance oven to drop the moisture—lay in the dry and ventilated place again for 10-15 days—sand—tongue/groove—lacquer—inspection—product packed—store and out of the storehouse

Test Report:

Moisture:	6.5%
Air-dry density:	1.041g/cm ³
Hardness(tangential face)	11360 N
Hardness(radial face)	11530 N
Shrinkage	9.1%
Crushing strength parallel to the grain	113.3Mpa
Elastic modulus	21360Mpa
Static Bending strength	160Mpa
Bending strength	1760.4Mpa
Internal bond strength	1.84Mpa
Nail-holding power	150Mpa
Formaldehyde	0.01mg/m ³
Absorbent thickness expansion rate	1.6%
FIGRA-0.2MJ(fire growth rate index)W/S	97
600s within the total heat release (THR- 600s)MJ	3.9
LFS (flame lateral spread length)	eglibile
Flame Height(edge ignition 30s)mm	Fs≤150 in 60s
Flame Height(surface ignition 30s)mm	Fs≤150 in 60s
Dropping Ignition Filter Paper(edge ignition 30s)	no burning dropping in 60s
Dropping Ignition Filter Paper(surface ignition 30s)	no burning dropping in 60s



Warranty

1. As long as properly installed and maintained, the decking will for a period of ten (10) years from the date of installation be free from delamination and rot.
2. The outdoor decking is a natural forest product, which can vary in color, grain and appearance.
3. Manufacturer's liability under this guarantee is limited solely and exclusively to replacement of defective decking. Under no circumstances shall the manufacturer be liable for labor, installation, reinstallation, freight, taxes or any other charge related to any claim.



Available as smooth or ridged surface