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Prem Estate, 2nd floor, Mustafa Bazaar, Sant Savta Rd. no.1, Opp. Union Bank of India, Byculla (E), Mumbai-10

Tel.: 022 - 23787500 | Fax No: 23726452 | Website: [www.egofloor.com](http://www.egofloor.com) | E-mail: [sales@egofloor.com](mailto:sales@egofloor.com)



## DECK FLOORING



# EGO DECK FLOORING

## MYSTIQUE MIGHT

### ADD A TOUCH OF CLASS TO YOUR OUTDOORS.

Ego Flooring introduces Deck Flooring, the perfect companion to any pool side, spa, balcony or any multitude of such places. Deck Flooring is the unmatched choice when it comes to enhancing the look of sun-kissed surfaces. Amazingly water resistant, it can withstand temperatures from -30 degrees celsius to a maximum of 50 degrees celsius.

So go ahead, add a touch of natural class to your outdoors.

Take your pick from 3 unique collections IPE, Strand Woven Bamboo & Composite Deck. All available in a variety of shades.

Ego Deck Flooring is available in 3 different collections:

Composite • Strand Woven Bamboo • IPE





# COMPOSITE

It's a new generation of wood plastic composite material and is made from a unique combination of recycled plastic and plant fiber according to high tech-formula, by special production equipments under certain temperature, pressure and speed.

The plastic shields the wood from the moisture and insect damage, so there's no rotting or splintering. The wood protects the plastic from UV damage and gives you a natural feel. It is known as a leading green environmental protection material in 21st century.

## PHYSICAL PROPERTIES

High strength and rigidity, skid proof, abrasion resistance, inflammation resistance, resists moisture, insects and UV, insulation, heat insulation, resists from -40c low temperature to 75c high temperature.

## ENVIRONMENTAL PROPERTIES

Contains no toxic and dangerous chemicals, no preservatives, no formaldehyde, no benzene, will no pollute air or environment; can be 100% recycled and reused, also can be biodegradable.

## APPEARANCE AND FEEL

Looks and feel like nature wood. Size is more stable than nature wood, no knurr. It is available in various color options. There is no need to spend hours staining or painting.

## PROCESSING PROPERTIES

Can be treated like wood, such saw, plane, glue, nail or screw. It is very easy to install.

SIZES: L - 2500mm, W - 135mm, T - 24mm

# COMPOSITE

Item	Testing Properties	Unit	Parameter	Standards
1	Bend Strength	Mpa	$\geq 30$	GB/T 9341-2000
2	Bend Modulus	Mpa	$\geq 2500$	GB/T 9341-2000
3	Tensile Strength	Mpa	$\geq 15$	GB/T 1040-92
4	No-gap impact strength	KJ/m <sup>2</sup>	$\geq 5$	GB/T 1043-93
5	Rockwell Hardness	HRR	$\geq 60$	GB/T 9342-88
6	24h Sop up rate	%	$\leq 2\%$	GB/T 17657-1999
7	Sop up thickness changing rate	%	$\leq 1\%$	GB/T 17657-1999
8	Grasp Screw Strength	N	$\geq 1000$	GB/T 17657-1999
9	Burthen heat distortion Temperature	□	$\geq 90$	GB/T 1634.1-2004
10	Heat Aging (Bend strength after aging test)	Mpa	$\geq 15$	LY/T 1613-2004
11	Resistance for flammability	Class	V-1	GB/T 2408-1996
12	Moisture Rate	%	$\leq 2$	GB/T 17657-1999
13	Surface Resistance Friction	g/100r	$\leq 0.08$	GB/T 17657-1999
14	Low Temperature drop hammer	Break parameter	$\leq 1$	GB/T 8814-2004
15	Heat Condition	Free of bleb, Crack		GB/T 8814-2004
16	Heat Size changing Rate	%	$\leq 2$	GB/T 8814-2004
17	High-low Temperature Repeat Changing Rate	%	$\leq 1$	GB/T 8814-2004
18	Density	g/cm <sup>3</sup>	1-1.4	GB/T 17657-1999





# STRAND WOVEN BAMBOO

Bamboo is an environment-friendly, renewable resource that has been used as construction material for thousands of years. Ecologically the harvesting of bamboo does not affect the world already dwindling timber resources. Bamboo flooring is assembled by strips. Traditionally bamboo floor is horizontally and vertically assembled to form a solid piece of bamboo structure.

## PROPERTIES

Bamboo is naturally resistant to moisture. Its low moisture absorbing properties combine with proper treatment such as composite stranded woven bamboo, makes it ideal for high humidity climates. Strand woven bamboo is made from individual slats that are thrashed into thin strips and cold-pressed under 1800 metric tons of pressure.

## APPEARANCE

Strand woven bamboo has very distinctive type of grain. It's different from the normal bamboo floor. Strand Woven Bamboo Flooring has an amber colour achieved by heat-pressing the bamboo. Each finished piece has a slightly unique "grain" with a strikingly elegant appearance.

Strand woven bamboo floors have a rich texture that is extremely durable. It is about as hard as iron wood or Brazilian cherry, but much easier to work with and more affordable too. Bamboo Outdoor Decking is finished with special natural oil that provides greater resistance to external weather conditions. It is waterproof and anti-microbial providing healthy, long lasting durability.

SIZE: L - 1860mm, W - 137mm, T - 18mm

# STRAND WOVEN BAMBOO

Item	Testing Properties	Unit	Parameter	Standards
1	Size Tolerance	mm	T $\pm$ 0.2mm, W $\pm$ 0.5mm, L $\pm$ 1mm	GB/T 15036.2-2001
2	MC Content		$\leq$ 14%	GB/T 17657-1999
3	Water Absorbability in 24H	Mpa	$\leq$ 2.2%	GB/T 1040-92
4	Size Stability – Thickness		Expanding rate – 0.703%	GB/T 17657-1999
5	Size Stability – Thickness		Shrinking rate – 0.223%	GB/T 17657-1999
6	Size Stability – Length		Expanding rate – 0.012%	GB/T 17657-1999
7	Size Stability – Length		Shrinking rate – 0.007%	GB/T 17657-1999
8	Hardness	Mpa	$\geq$ 200	GB/T 17657-1999
9	Anti Fungus	Grade	1	GB/T 13942.1
10	Anti Termite		Anti termite grade	NY/T1153.4-2006
11	Antisepsis		USRV58	EN1339-200
12	PCP (pentachlorophenol) Contents	Mg/kg	<0.5	EN 717-2-1995
13	Formaldehyde Emission	Grade	E1 (<0.1 ppm)	EN 717-2-1995
14	Rupture Strength	KN	22.4 / 600mm	EN 1533-2000
15	Thermal Conductivity	w/m.k	0.14-0.18	EN 12664-2001
16	Flammability	w/cm2	0.5	GB/T 11785-2005
17	Density	g/cm3	>-1.0	GB/T 17657-1999





# IPE DECK

The heartwood of Ipe ranges from olive brown to blackish, though it can have lighter or darker striping that is sharply demarcated from the whitish or yellowish sapwood. IPE is a low luster wood with an oily appearance, a fine to medium texture, and a grain that ranges from straight to very irregular.

Along with its extreme hardness, strength, weight, density, and durability, IPE is also one of the most stable woods available. However, it is important to "over-dry" the wood in a kiln to avoid excessive shrinkage when installing.

IPE is an environmentally responsible choice which naturally resists rot, decay, insects, and mold without the use of toxic chemicals used in other decking products. It is naturally fire resistant and has been awarded an 'A1' rating. Additionally, IPE is an incredibly strong, dense wood, harvested from naturally sustainable forests only. It has very high wear durability in daily use, and is resistant to splintering and checking.

IPE is an economical natural alternative to other woods when the entire life cycle of the deck or other outdoor project is considered.

Weather has little to no effect upon the structural integrity of IPE wood. The sun will eventually transform the wood from its original reddish-brown to a beautiful silver patina.

When the additional benefits of IPE (select grade wood superior strength, extended lifespan, resistance to checking, splintering, fire, mold, and insect damage, etc.) are weighed, it is by far the superior product.

# IPE DECK

## SCIENTIFIC NAME

Tabebuia spp.

## ORIGIN

Brazil and throughout continental tropical America as well as in parts of the Lesser Antilles.

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## SIZE

Tile form:

- 1) Length 600mm X width 100mm X thickness 18mm
- 2) Length 300mm x width 300mm x thickness 18mm, thickness of plastic base 15mm, 4 pieces in tile. Each piece width 70mm, gap between each piece- 6mm.

Plank form: L - 4ft-20ft, W - 135-140mm, T - 21-24mmz

