



ECO ARBOR DESIGNS

Interlocking Deck Tiles

What are ECODeck Interlocking Deck Tiles™?

ECODeck Tiles™ combine premium quality natural hardwood with a high strength composite interlocking backing. This system features a fastening matrix that is pre secured using industrial strength screws on the underside of the tile and backing. The deck tiles are sold in pieces or sq ft, 1x1, 1x2 in size. They can be installed over any even outdoor surface to create your own stunning outdoor entertainment areas. Once our ECODeck™ Deck Tiles are locked in place, they will create a durable hard wearing deck floor. Our tiles are comfortable to walk on, visually stunning and yet durable enough for any climate or weather.

Why choose ECODeck™ Tiles?

We are #1 in the industry for quality and manufacturing precision. Our tiles are made on a high quality backing grid system we call the secure lock, with injected polymers for both fire protection and UV stabilization. The benefits to this: a precise deck surface that will last 20-40 years from time of install and enable the lifting and re-install of tiles even years after they were initially installed. Our products have proven to last the test of time, that's why we have a 5 year warranty this durable floor

ECODEck™ On Grade Deck Tiles

- Deck tiles will install quickly and efficiently over any flat surface indoor/outdoor rooms.
- Installation requires no screws, nails or toxic adhesives. To install: Simply sweep the surface clean and begin locking each tile in place. Then cutting the end tiles to fit against thresholds or parapet walls
- ECODEck Deck Tiles™ plastic polyethylene interlocking deck tile frame system ensures a tight lock between each tile with evenly spaced deck boards across the surface. The polyethylene frame has an injected UV stabilizer/fire retardant that will ensure you can un-click the tiles years after install and click them back in place again.
- Our own award winning ECODEck™ Deck tiles started as a DIY product that lock securely into place over any even hard surface. They were originally designed for EPDM rubber membrane liners found on most roof decks and balconies. Our deck tiles can be used over any waterproof surface without any damage to the subfloor.
- ECODEck™ Deck Tiles come in several species of hardwoods, stone, ceramic or composite. These materials are extremely resistant to splitting and water rot. All of our lumber is KILN dried 12-14% humidity which adds superior durability over softer woods and air dried lumber typically found in competing products.

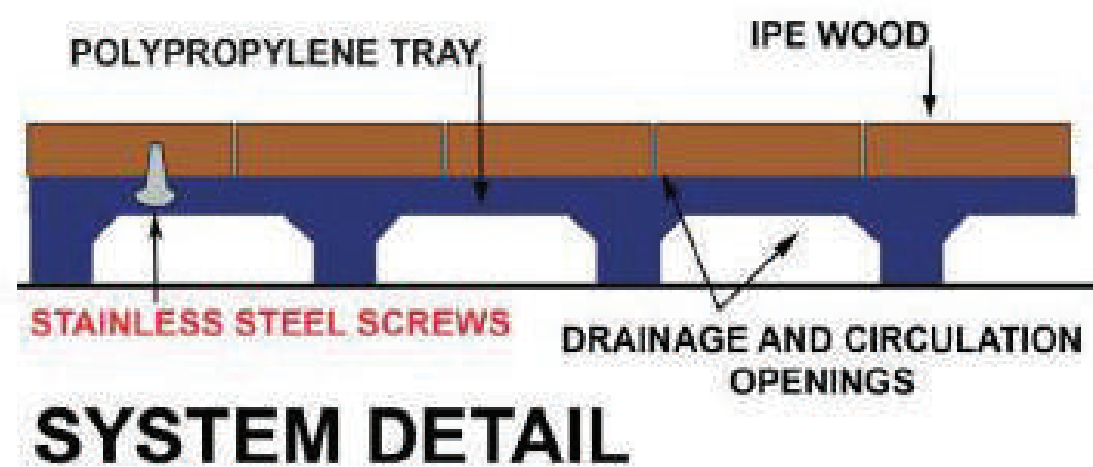


Uses

- Urban patios, terraces and rooftop decks, covered condo balconies and walk decks
- Decks on green roofs creative rooftop decking environments, add to any existing waterproof surface.
- Residential decks over cracked concrete patios & on-grade

What is the cost of the Deck Tile system?

You can expect to pay \$8-\$12 per square foot for most hardwood deck tiles products. Add approximately \$1-\$3 per square foot for installation labor on a typical square or rectangular balcony.



Specifications

SECURELOCK™ Polyethylene Interlocking Tray (Pat Pending)

The Carriage tray or Securelok Interlocking base is made of 80% post-consumer recycled polypropylene and 20% talc reinforcement. Samples from the material were tested to the Underwriter Laboratories Flammability Self-Extinguishing Testing standard (UL 94HB), and found to meet the “HB” standard as self-extinguishing. The attached technical certification verifies that the material meets the UL94 HB definition of slow horizontal burning on a specimen (less than 40mm per minute for a sample over 3.0mm thick), and ceases to burn before the 100mm reference mark.

While not specifically tested to the ASTM D635-06 standard, the UL 94HB standard is the functional equivalent. Passing with the HB standard can be considered to meet the ASTM

Standard. Should you have any questions, please refer them to Eco Arbor Designs technical staff

Description: Injected By Mold PP 20% Virgin Material Frame For Deck Tiles

Compatibility:	High
Temperature Change Resistance:	-20 C to + 60 C (Without change in properties)
Thermal Resistance:	< 90 C
Chemical Resistance:	Wide & Varied
Weight:	198 Gr.
Rigidity:	Shore D/15 ASTM D 224-03 = 64
Hardness:	Impact Izon 23 C ASTM D 256-03 = 35 J/m
Tension:	Elastic Limit ASTM 638-03 = 30 MPa
Elasticity Dried At 2%:	ASTM D 790-03: 1130 MPa
Elongation At Elasticity Limit:	ASP 638-03: 6.6%



ECODEck, Ipe and Garapa Deck Tiles™

- 32 mm Total Deck Tile thickness
- 17 mm lumber, 15 mm carriage frame
- 70 mm wood slat width
- Firm Flex Polypropylene UV Grid
- Fire retardant polymer injected base
- Secure Lock Interlocking frame base
- Precision cut high grade timber
- Double sanded 12-14% humidity

Ipe and Garapa 1 and 2 foot panels

(SecureLOCK tm. grid) 1'x1' or 1'x2'



Ipe reducers and corner pair reducers available for on grade finished edge transitions



Ipe and Garapa 1X2 rectangular deck tiles can be locked in one direction or to create a unique parquet by alternating direction



Ipe and Garapa 1X1 we call the classic deck tile perfect for smaller condo balconies for minimal cutting



IPE (Pronounced “Ee-pay”) Tebebuia S.P.

General Characteristics: Ipe (also sometimes referred to as Patagonian or Brazilian Walnut) is a very dense Exotic Tropical Hardwood. With a beautiful olive-brown to blackish color and natural luster it appears as if just oiled. Heartwood olive brown to blackish, often with lighter or darker striping; sharply demarcated from the whitish or yellowish sapwood. Texture fine to medium; luster lo to medium; grain straight to very irregular: somewhat oily looking; no distinctive odor or taste.

Strength Properties: Timber average weight 72 lbs. per cubic foot. Bending strength is 28,000 PSI. Crushing Strength 13,000 PSI. Dries rapidly, is a stable wood, movement in services is Low. Forest Products Laboratory toughness average for green and dry materials is 404 in. – lb. (5/8-in. specimen). The species is much harder than the Oaks or Teak. It has exceptionally high bending strength qualities when air-dried. It has exceptionally high maximum crushing strength (compression parallel to grain) in the air-dry condition. It is a very hard wood, and requires special tools to mill and process. The weight is exceptionally high, even in the seasoned condition, much heavier than Oak or Teak.

Density, Hardness and Durability: Very High; natural resistance to attack by decay, fungi, insects and fire. The wood is reported to be extremely resistant to absorbing wood preservation agents, however, none are required to extend the life-term of the wood. Low maintenance, weathers to a silvery gray patina. An outdoor wood-oil may be applied periodically to maintain its original warm color.

Preservation: The wood is reported to be extremely resistant to absorbing wood preservation agents, however, none are required to extend the life-term of the wood. Low maintenance, weathers to a silvery gray patina. An outdoor wood-oil may be applied periodically to maintain its original warm color.

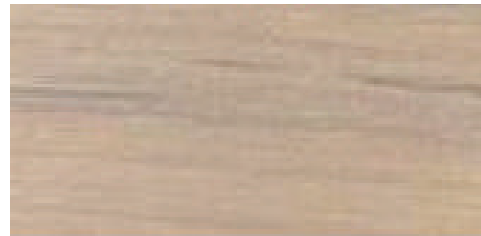
Janka Side Hardness: 3,680 lb. at 12% moisture content.

Uses: Railroad crossies, heavy construction, tool handles, industrial and commercial flooring, decks, decorative veneers

Sustainably sourced Hardwoods Eco Deck hardwoods are guaranteed certified with cert of origin and full documentation on sustainable harvesting. Our wood sources are approved by the Rainforest Alliance, ABT forestry control, and endorsed by the WWF.



Ipe Weathered Look



Ipe At Milling





Curupay – Anadenthera Colubrina spp.

General Characteristics: At milling is creamy to pale brown, darkening on exposure to reddish brown with darker colored, almost black, streaks; sapwood yellow brown or light pink. Texture fine and uniform; grain usually irregular and interlocked; no distinctive odor or taste. With an exquisite darker grain, Curupay is a beautiful, rich looking hardwood which is initially pale brown, darkening on exposure and maturing to reddish brown with darker colored, almost black, streaks. (Similar in appearance to Tigerwood.) Naturally resistant to fire, rated “Class A” by the NFPA (National Fire Protection Association) and “Class 1” by the UBC (Uniform Building Code).

Strength Properties: Timber average weight 67 lbs. per cubic foot. Bending strength is 29,200 PSI. Crushing Strength 14,100 PSI. Dries slowly, is a stable wood, movement in service is low. Amsler toughness 680 in. – lb. (at 15% moisture content 2-cm specimen). The species is considered one of the strongest hardwoods. It has exceptionally high bending strength qualities when air-dried. It has exceptionally high maximum crushing strength (compression parallel to grain) in the air-dry condition. It is very hard, and requires special tools to mill and process. It is exceptionally heavy, weighing much more than the Oaks or Teak.

Density, Hardness and Durability: Very High; natural resistance to attack by decay, fungi, insects and fire. The wood is reported to be extremely resistant to absorbing wood preservation agents, however, none are required to extend the life-term of the wood. Low maintenance, weathers to a silvery gray patina. An outdoor wood-oil may be applied periodically to maintain its original warm color.

Preservation: The wood is reported to be extremely resistant to absorbing wood preservation agents, however, none are required to extend the life-term of the wood. Low maintenance, matures to a rich, dark reddish brown with black streaks. An outdoor wood-oil may be applied periodically to maintain its original or matured color.

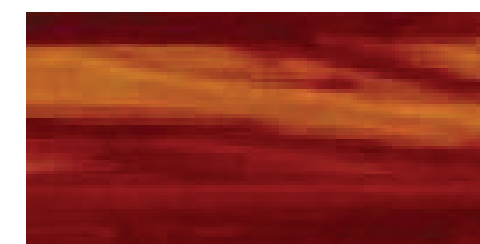
Janka Side Hardness: 3,840 lb. at 12% moisture content.

Uses: Used for heavy exterior construction and marine work (structural beams, columns), decks, flooring, railroad cross-ties, tool handles, tumery/lathing, outdoor furniture, truck beds. The bark is extracted for its tannin.

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Curupay At Milling



Curupay Weathered Look



Garapa – Apuleia leiocarpa

General Characteristics: Heartwood yellow-beige (honey) to yellow-brown (golden); sapwood slightly pink-brownish; uniform; white-yellowish. Texture is medium; grain is straight, fine interlocked; no distinctive odor or taste. Tree trunks are cylindrical lightly tortuous/twisted, fine bark. Grapia (sometimes referred to as a Patagonian or Brazilian Ash/Goldenwood) is another heavy and dense Exotic Tropical Hardwood. With a fine interlocked grain, smooth surface, and light honey-yellow to warm golden-brown hues, it is an exotic hardwood that is quickly becoming a hot alternative for those who prefer a lighter, airy color and as a complimentary contrast to their darker hardwoods.

Strength Properties: Timber average weight 54 lbs. per cubic foot. Bending strength is 16,800 PSI. Crushing strength 9,140 PSI. Dries very slowly, is a stable wood, movement in service is Low. The species is a heavy, dense hardwood with average volumetric retractability and medium-high shock resistance. It is very scratch resistant and stronger than most decking materials.

Density, Hardness and Durability: Medium-High; natural resistance to attack by decay, fungi, insects and fire. High scratch resistance, the surface remains smooth for many years, making it an ideal wood for exterior decking and boat docks. Easier to mill and process with appropriate tools than some other hardwoods, due to the presence of silica, it lasts a very long time, 80+ years.

Preservation: The wood is reported to be extremely resistant to absorbing wood preservation agents, however, none are required to extend the life-term of the wood. Low maintenance, weathers to a silvery-blond patina. An outdoor wood-oil may be applied periodically to maintain its original honey/golden color and naturally glossy appearance.

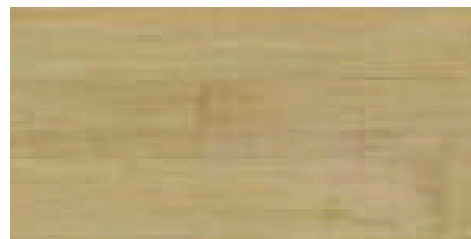
Janka Side Hardness: 1,630 lb. at 12% moisture content.

Uses: Decks and marine docks, in Construction of external structures such as sleepers, posts, props, crosspieces; in Civil Construction as beams, stakes, door and window jambs, furniture, flooring, tool handles and ship building.

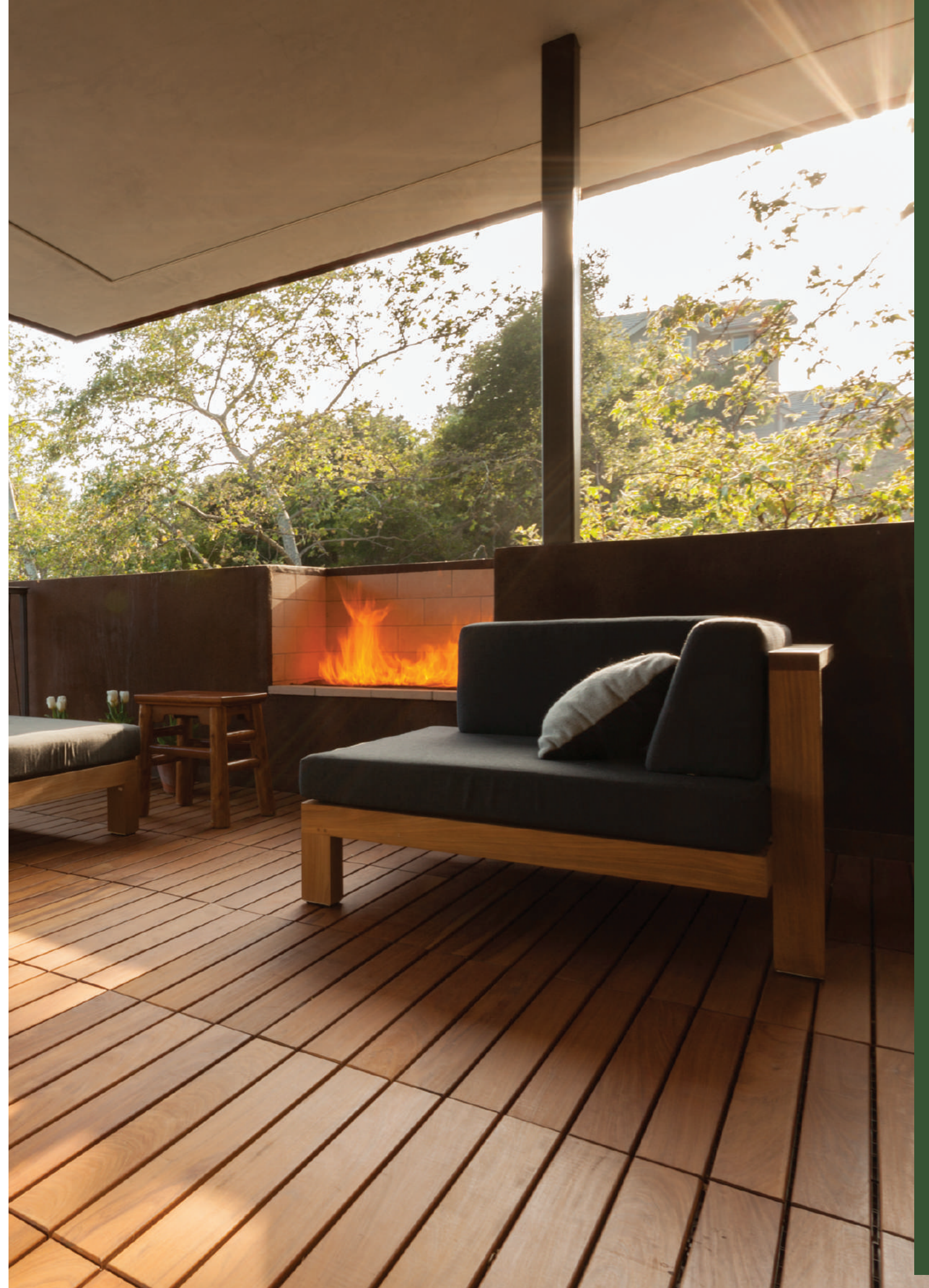
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Grapia At Milling



Grapia Weathered Look



ECO ARBOR DESIGNS

Innovators of modular outdoor flooring. We have been manufacturing, importing and installing some of the finest raised floor systems in the world since 2005

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ECO arbor designs west coast

ECO arbor designs east coast.

ELEETS 3pl Logistics

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5 Year Limited WARRANTY for Eco Decking Tiles

Eco Arbor Designs warrants Eco Decking Tiles to be free of defects in material and workmanship under normal use for a period of 5 years from the time of purchase. The product is warranted against defects in material and workmanship on all wood and polypropylene tiles. Warranty is subject to normal household, commercial or patio usage, from the date of purchase. When making a claim under this warranty, the holder should contact the distributor (or retailer) from whom the purchase was made. Transportation to and from the distributor is the sole responsibility of the customer to determine a warranty claim. Special attention has been given to your new wood product to ensure lasting satisfaction and durability. Eco Decking Tiles are a natural product with natural variation. A coating of protection oil has been applied for transport and storage. It is recommended to apply a coat of penetrating hardwood sealer after installation and re applying as needed to maintain color and UV protection.

NOTES: The Term "defect" as it is used in this warranty is defined as a flaw or deficiency that may affect the use for which the product is intended. This warranty applies only under standard household and commercial conditions for use, and does not cover defects caused as a result of neglect, deliberate damage, abuse, personal alterations, accidents, and maintenance that do not comply with the instructions which form part of this warranty. Only the original owner /purchaser hold the right to a valid warranty. Purchase must be from an authorized retailer of Eco Decking Tiles for inquiries or concerns with Eco Decking Tiles please contact the retailers from whom the purchase was made. Transportation of product to and from the retailer is the responsibility of the purchaser.

EXCLUSIONS:

Eco Arbor Designs or the Eco Decking Tiles retailer will not be liable in the event of:

- A. **Improper Installation:** Good performance of Eco Decking Tiles is dependent upon proper installation and site conditions. Well drained level areas should accept the tiles. Trying to install the tiles on irregular surfaces can cause inconsistencies in the connection system between each tile.
- B. **Improper Maintenance:** Maintenance must be in strict accordance with the instructions found on our website for maintenance of said tiles. If long lasting color is desired an annual coat of penetrating sealer is required, otherwise wood will naturally patina to a distinguished light silver color. Allowing the patina will not shorten the lifespan of the wood.
- C. **Normal Environmental Conditions:** Our products are warranted to perform in what we consider to be normal applications for exterior decking. Not included in extreme environmental conditions
- D. **Misuse:** We cannot be expected to and will not assume responsibility for damage caused by misuse, abuse or accident. No warranty is provided for any damage due to inadequate care or other factors such as stains or chemicals, worn or narrow heeled shoes (heels with 6MM of diameter or less), Furniture or heavy equipment, impact scratches, or scarring caused by pets, or pointed objects.
- E. **Alterations and Repairs:** Alterations to Eco Decking Tiles product will void any and all warranty. This includes cut or altered tiles.
- F. **Reinstallation:** In the event that Eco Arbor Designs elects to replace warrantied tiles. Eco Arbor or said distributor shall in no manner be obligated to provide or incur costs of removing or re-installing the defective tiles or resurfacing or refinishing the replaced or surrounding flooring. Eco Arbor has no obligation to replace or repair shall extend to any sub floor materials, including adhesives, supplies or other items consumed in the course of removal, installation or refinishing.



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