



SITE FURNITURE HARDWOODS

PRODUCT DATA

Forms+Surfaces site furniture is designed to last. Like all Forms+Surfaces materials and finishes, we've chosen our hardwoods for their ability to stand up to real-world use in any setting, and give you sustainable, environmentally responsible options you can feel good about specifying. Our hardwoods offer superior resistance to moisture, insects, fire, vandalism, and decay. Wood options vary per product line, as shown in the chart on pages 4-5.

FSC® CERTIFIED HARDWOODS

All of the standard hardwoods used in our outdoor site furniture products are FSC® Certified, a benefit that can help you meet your project sustainability goals because most green building standards give credit for the use of FSC® Certified wood, especially woods labeled FSC® 100%. While there are other forest certification systems that are recognized by some green building standards, FSC® considered the gold standard and is the most widely recognized.

Our standard hardwoods fall into three categories: FSC® Recycled 100%, FSC® 100%, and FSC® Mix Credit, as described on the following pages.

FSC® RECYCLED 100% HARDWOODS

The FSC® Recycled 100% rating indicates that the wood has been reclaimed from built structures that were demolished or otherwise retired, and that no new trees were cut down—an especially compelling aspect when you consider that the world's forests are being destroyed at alarming rates.

An inherent characteristic of reclaimed wood is that anomalies like nail or screw marks, minor blemishes, or other visual signs of prior use may be present in the end product. These are not considered warrantable defects but rather speak to the authenticity of the reclaimed materials themselves. We do our best to limit these occurrences on the finished surfaces of our products but they will appear from time to time and should be anticipated. Our strict inspection criteria help ensure that any visible blemishes don't compromise the structural integrity of the wood.

FSC® Recycled 100% Teak

Extremely durable and weather resistant, our reclaimed teak has been hand salvaged from old neglected buildings. A golden hue, occasional patches, and a knotty appearance enhance the wood's unique character.



FSC® Recycled 100% Cumaru

This beautiful hardwood is repurposed from renovation projects and brings a bit of the past to the present. Cumaru has a rich color ranging from amber to burnt sienna.





SITE FURNITURE HARDWOODS

PRODUCT DATA

FSC® 100% HARDWOODS

The FSC® 100% rating means that all wood designated FSC® 100%, including Ipé, is harvested from forests that are legally run, environmentally sustainable, have a long-term management plan, and are socially responsible to their local villages and communities. Yearly audits and recertifications ensure that our outdoor products and suppliers are in full compliance with the FSC® 100% designation.

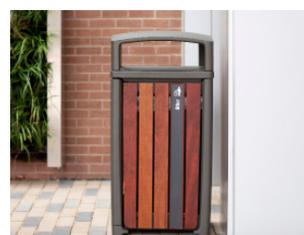
FSC® 100% Ipé—aka Brazilian Walnut—the hardest and most durable of our hardwoods, rates an impressive 3684 on the Janka hardness scale (for reference, Black Locust is rated 1700 and Red Oak is rated 1290). The wood's rich color ranges from amber to burnt sienna.



FSC® 100% Cumaru—aka Brazilian Teak—rates 3330 on the Janka hardness scale. The color ranges from a medium to dark brown and can have a reddish or purplish hue. Occasionally, yellow or greenish brown streaks will occur.



FSC® 100% Jatoba—aka Brazilian Cherry—rates 2350 on the Janka hardness scale and can vary in color from a rich tan to a deep red.



Natural Color Variations

All Forms+Surfaces FSC® Recycled 100% and FSC® 100% hardwoods will initially have some color variation from slat to slat. This is natural, and will be more apparent when the product is new. Over time, the wood will weather to a more even color.

Hardwood Maintenance

All of our FSC® Recycled 100% and FSC® 100% hardwoods have a natural oiled finish and can be maintained by following our simple re-oiling instructions.

Wood typically experiences an adjustment period as it acclimates to the moisture level of the environment in which it's installed. To help it adjust and keep it looking its best, wood should be re-oiled as soon as the oil looks depleted or within 3-6 months after installation, and then again after 10-12 months. After the adjustment period, maintenance needs will be less frequent.



SITE FURNITURE HARDWOODS

PRODUCT DATA

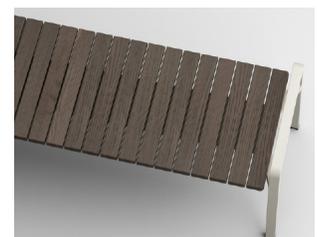
FSC® MIX CREDIT THERMALLY MODIFIED RED OAK

Thermal modification is a specialized process in which wood is heated to a very high temperature to transform it on a molecular level into a highly durable outdoor material that resists insects, moisture, and other environmental impacts. The only ingredients are heat, steam, and time (approximately 28-30 hours). Overall durability is multiplied many times, giving Thermally Modified wood a 25+ year lifespan outdoors without chemicals or anything else manmade.

Domestically Sourced FSC® Mix Credit Thermally Modified Red Oak

The Thermally Modified Red Oak used in F+S products is domestically harvested and processed in Pennsylvania. It's then milled to product-specific size requirements at our Pittsburgh, Pennsylvania manufacturing facility. As an option for select designs within the F+S product line, Thermally Modified Red Oak offers a sustainable, durable option for projects interested in domestically sourced materials and/or alternatives to tropical hardwoods.

FSC® Mix Credit Thermally Modified Red Oak—Thermal modification turns the wood a deep brown, which indicates that the wood has reached the proper core temperature (around 400°F). The wood undergoes a molecular change in which the sugars and starches caramelize, making it a non-food-source. The wood cell walls also lock into place, preventing the wood from absorbing water.



Theramlly Modified Red Oak Color Variations

All Forms+Surfaces FSC® Mix Credit Theramlly Modified Red Oak will initially have some color variation from slat to slat. This is natural, and will be more apparent when the product is new. Over time, the wood will weather to a more even color.

Thermally Modified Red Oak Maintenance

Our FSC® Mix Credit Thermally Modified wood has a natural oiled finish and can be maintained by following our simple re-oiling instructions.

Wood typically experiences an adjustment period as it acclimates to the moisture level of the environment in which it's installed. To help it adjust and keep it looking its best, wood should be re-oiled as soon as the oil looks depleted or within 3-6 months after installation, and then again after 10-12 months. After the adjustment period, maintenance needs will be less frequent.



SITE FURNITURE HARDWOODS

PRODUCT DATA

HARDWOOD TYPE PER PRODUCT

	FSC Recycled 100%		FSC 100%			FSC Mix Credit
	Cumaru	Teak	Cumaru	Ipé	Jatoba	Thermally Modified Red Oak
BENCHES						
Apex Bench			•			
Boardwalk Bench	•					
Camber Bench			•			
Circuit Bench		•				
Copenhagen Bench				•		
Cordia Bench					•	
Duo Bench			•			
Flight Bench			•			
Float Bench	•					•
Hudson Bench			•			
Knight Bench		•	•			
Leda Bench				•		
Pacifica Bench			•			
Quadra Seating System		•				
Tangent Rail Seating			•			
Trio Bench			•			
Vaya Bench			•			
Vector Seating System			•			
TABLES & CHAIRS						
Apex Table Ensemble			•			
Avivo Bar-height Table			•			
Avivo Table			•			
Knight Table Ensemble			•			
Tangent Table Ensemble			•			
Trio Table Ensemble			•			
Vaya Chair			•			
Vaya Table			•			
Vector Table Ensemble			•			



SITE FURNITURE HARDWOODS

PRODUCT DATA

HARDWOOD TYPE PER PRODUCT, continued

	FSC Recycled 100%		FSC 100%			FSC Mix Credit
	Cumaru	Teak	Cumaru	Ipé	Jatoba	Thermally Modified Red Oak
LITTER & RECYCLING RECEPTACLES						
Apex Litter & Recycling			•			
Bevel Litter & Recycling			•			
Cordia Litter & Recycling					•	
Tonyo Litter & Recycling			•			

Learn More

Our Resource Management team is dedicated to staying on top of environmental issues around the world. Wherever you are, you can rely on us to help you navigate any challenges a project may pose.

For product-specific environmental data, visit forms-surfaces.com and click on the Environmental Data tab on any product page. To learn more about our company's environmental commitment and programs, visit the [Environmental Sustainability](#) section of our website. If you would like additional information on our Environmental Management System or our company environmental initiatives and policies, please feel free to contact our Sustainability Team at green@forms-surfaces.com.

For more about FSC's efforts and certification programs, visit www.fsc.org. For even more about sustainable forestry and deforestation statistics, visit www.worldwildlife.org.



The mark of responsible forestry