



# Cosmetic Standards Book

WORLDINTERIORS.COM

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# Construction Details



## Mortise & Tenon Joinery

One of the oldest forms of furniture construction, mortise and tenon joinery, dates back to hundreds of years. Originally used to construct panels, tabletops, beds, etc., this technique was used in eras before the advent of glues and other methods of construction. Mortise and tenons create extremely strong structural integrity, because the wood is interlocking. This serves as the primary method of construction used by World Interiors in most of its furniture.



## Floating Panels & Tops

Within the frame, held together with mortise and tenons, wood panels are inserted along a tongue and groove, which allow for the natural movement of solid wood. This is an essential element of constructing heirloom furniture, because solid wood panels must have room to breathe. The panel “floats” within the frame structure (no glue or nails are used) which prevents cracking.



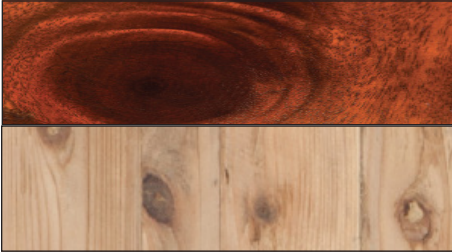
## Hand-turned Components & Leg

A key element of the beauty and structural integrity of World Interiors, solid wood furniture is its handmade nature. Instead of using machines to turn wood components on a lathe, each individual component is hand-carved on the turning machine. Similarly, each component is sanded by hand before removing from the lathe, as seen in the picture here. This creates an amazing beauty in the turned components.

# Cosmetic Standards Wood Features

Slight variations in color, grain, cracks and knots are traits that showcase the unique characteristics of the wood and add to the one-of-a-kind qualities of each piece. These small differences are highly desirable and draw out the true beauty of the wood. It is important to keep in mind that all of these features are unique and not considered defects.

## Knots



Knots are natural imperfections in the wood where tree branches were enclosed within the trunk. Since World Interiors furniture is made from the entire tree, knots of varying sizes and shapes will be present. Small cracks may appear within the knot. These small cracks do not affect the structural integrity of the furniture and are not considered defects.

## Filler



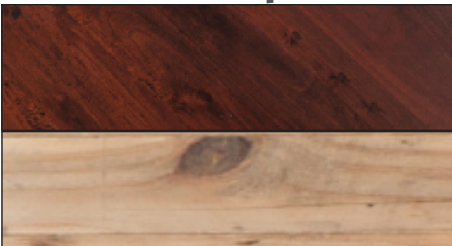
Since World Interiors uses the entire tree to construct its furniture, some knots and/or wind cracks may require the use of filler. World Interiors only uses the highest quality epoxy-based filler, which will last the lifetime of the furniture. Care is taken to blend the coloration as close as possible but filler may be noticeable, which is not considered a defect. By using filler it prevents us from having to waste parts the wood in the crafting process making it eco-friendly.

## Grain Variations



The tropical hardwood species used by World Interiors in its solid hardwood furniture has extreme grain and color variations. These variations are truly a key element in the beauty of the product, and make each piece of furniture a unique work of art. As such, these variations are unavoidable and not considered defects.

## Mineral Deposits



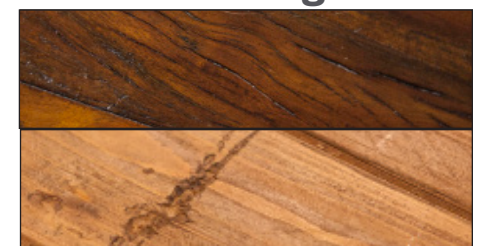
The presence of natural minerals such as iron, phosphate, calcium, etc. In the soil where the tree lived often causes variations in the wood grain. These may appear as rings, circles, lines, or shades either darker or lighter than the regular grain of the wood. These factors are unavoidable and not considered defects.

## Natural Cracks



Seasonal cracks and splits may open from time to time, but are considered normal in solid, tropical hardwood furniture. In most cases, the opening of natural cracks is a result of changes in environment such as humidity, sunlight, etc. These cracks are a natural part of the wood, caused by tree movement from the wind and natural forces. As long as the crack is not excessive it will not affect the structural integrity of the furniture and is not considered a defect.

## Checking



Checks are hairline cracks in the wood caused by natural tree movement from the wind and natural elements. This checking is inherent in the tropical hardwoods used by World Interiors and do not constitute a defect. Variations in climate, environment, and other factors such as air conditioning, heaters, sunlight, etc. May cause these cracks to open and close over time, which is unavoidable and not considered a defect. Some touch ups with a stain marker may be necessary.

# World Interiors Tree Library

*"Each tree is unique"*

## **Mango Wood**

- The most popular fruit tree in the world
- Mango Trees are fast growing hardwoods with dense grains making it perfect for solid wood furniture
- Sustainable and regularly replanted due to their agricultural value as a major food crop
- Comparable to cherry or ash wood



## **Acacia Wood**

- Most common tree in the world with over 2,000 species
- Harvested according to government and forestry standards
- Extremely dense and high quality to last generations
- Reaches maturity in 5 years
- Comparable to mesquite wood



## **Reclaimed Teak**

- Prized for its beauty, durability and moisture resistance
- Used for over 5000 years in the Indian subcontinent for constructing buildings, furniture and boats
- Reclaimed and re-purposed for generations



## **Reclaimed Neem & Sal**

- Durable, moisture resistance and insect repelling qualities
- Reclaimed from palaces and forts as interior support beams
- Building material used primarily in India





# SUPERIOR CRAFTSMANSHIP



## Floating Tops

Constructing furniture using solid hardwoods requires a high degree of technical accuracy and craftsmanship. Solid wood components must be allowed to expand and contract in order to prevent cracking and ensure structural integrity. One of the key methods of construction, to allow the natural movement, is using metal clips to attach tabletops and other panels. These clips have slots which allow for the natural movement of the wood.



## Dovetailed Drawer

An heirloom technique used over the centuries, dovetailing involves cutting interlocking grooves into the drawer front and side panel which ensures long lasting durability even with daily use. Drawers also feature either wood glides (pictured), or metal glides, and drawer stops for ease of use and safety. Drawers are constructed entirely of solid wood



## Dutchman Patches & Butterfly Joints

Often in reclaimed wood, there is the necessity to patch portions of the raw material that were used previously in old buildings, furniture, etc. Care is taken to match grains and coloration as close as possible. However, these patches are often noticeable but reflect the extreme craftsmanship necessary to work with reclaimed materials. Butterfly joints are used in solid wood to strengthen panels and other components where cracks may be present. Adding quality, beauty and uniqueness to each piece.



# Recycled Cast Iron Characteristics

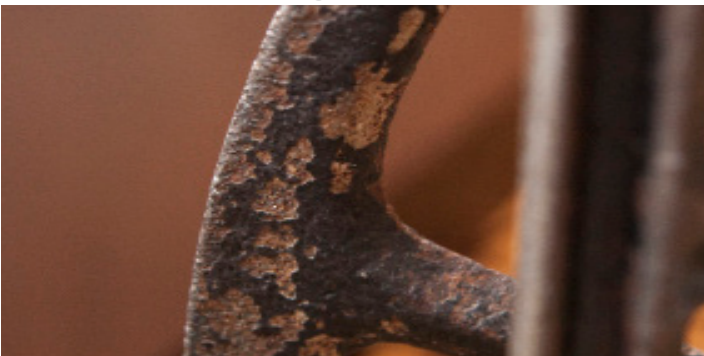
Recycled Cast Iron is durable and beautiful with an industrial antique style. Cast Iron is very rigid and is hand poured into our casting pans thus creating a natural beauty. Cast Iron is recast in our foundry from scrap iron, steel, limestone and carbon using age old sand casting methods.



**Light Rust**



**Dents**



**Oxidation**



**Casting Pits**



**Mechanical**



**Grease**

# World Interiors

## Wood Finishing Processes

USED ON MANGO, ACACIA & NEEM

All of our glues, finishes, stains and sealers are Eco-Friendly, LOW-VOC and/or water-based. This ensures a quality standard of strength, durability, consistency of color and moisture resistance while safe for workers in the factory and perfect for families in their homes.

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### SEVEN STEP CATALYZED FINISH

This finish process protects the wood from the hazards of everyday use

- 1** Patina Layer - After the entire piece has been hand-planed to create a nice bench-made feel to the table, the craftsman layers on a black patina. This is subsequently sanded off, but look around the piece, inside of grooves, in the notches and distressing, and you will see these dark accents.
- 2** Sanding of the Patina - This is a crucial aspect of the finishing process and must be done completely by hand. This ensures that just the right level of distressing and patina is present to create the old-world feel of the collection.
- 34** Sealer coats applied.
- 56** Lacquer Coats - Bonds with the sealer to create a highly moisture resistant and durable finish.
- 7** Final Polishing and Touch Up.



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The catalyzed process used by World Interiors will protect your furniture for generations. However, while the catalyzation creates a bond between sealer & lacquer layers, care still needs to be given to prevent scratching, putting excessively hot items on top, or using acetone/nail polish remover which can harm the fine finish of these products. In case of damage to the finish, an authorized Mohawk repair specialist can easily remedy almost all finishes used through a simple repair process.

All reclaimed wood products are typically not finished with a sealant. Special attention and care needs to be taken to ensure any spills are wiped up immediately. In the case that a stain occurs, correcting the finish may involve sanding the wood with a fine sandpaper to remove the stain.



# Care & Maintenance

Using stain markers to cover minor blemishes.



## Solid Wood Air Cracks

Sometimes, white lines form along glued seams. Over time, natural wood will expand and require maintenance to fill small air cracks as they develop. These occurrences are natural and to expected over time.



## Smooth Stain into Air Crack

Our lacquer is very resistant to damage and moisture, so regular use should not be a problem. Blemishes and natural movement checking may require touch up with a stain marker. Apply the stain marker along the imperfections, making sure it gets into the grooves and recesses. Then wipe the surface clean and allow it to dry. Repeat the process if necessary.



## Daily Maintenance

With World Interiors' 7 step catalyzed finishing process no chemicals or citrus based cleaners are needed, Just use a cloth dampened with warm water and mild soap.



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