

Catalogue

WOOD SPECIES



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Crabwood

C A R A P A S P P .

COLOR & APPEARANCE

CRABWOOD (ANDIROBA) FEATURES A WARM REDDISH-BROWN HEARTWOOD THAT DEEPENS OVER TIME, WITH LIGHTER PINK-BROWN SAPWOOD THAT BLENDS SMOOTHLY. QUARTERSAWN BOARDS SHOW AN ELEGANT RIBBON FIGURE, GIVING THE WOOD A REFINED, MAHOGANY-LIKE APPEARANCE.

DURABILITY & PERFORMANCE

NATURALLY MODERATELY TO HIGHLY DURABLE, WITH GOOD RESISTANCE TO DECAY AND WEATHERING. ITS STABILITY MAKES IT SUITABLE FOR BOTH INTERIOR AND EXTERIOR APPLICATIONS.

WORKABILITY

GENERALLY EASY TO MACHINE AND FINISH, THOUGH INTERLOCKED GRAIN MAY CAUSE LIGHT TEAR-OUT. ACCEPTS OILS AND COATINGS WELL AND HAS NO DISTINCTIVE ODOR.

GRAIN & TEXTURE

MOSTLY STRAIGHT-GRAINED, OCCASIONALLY WAVY OR INTERLOCKED. FINE TO MEDIUM TEXTURE WITH A SOFT NATURAL LUSTER.

COMMON USES

USED FOR FLOORING, DECKING, FURNITURE, CABINETS, MILLWORK, VENEER, AND ARCHITECTURAL APPLICATIONS. A STRONG AND AESTHETIC SUBSTITUTE FOR MAHOGANY.



Wallaba

E P E R U A F A L C A T E

COLOR & APPEARANCE

THIS SPECIES FEATURES LIGHT REDDISH-BROWN TO BEIGE-BROWN HEARTWOOD, WHICH DEEPENS SLIGHTLY WITH EXPOSURE. THE SAPWOOD IS THICK AND BROWNISH TO PINKISH, BLENDING SMOOTHLY WITH THE HEARTWOOD WITHOUT A SHARP DISTINCTION.

GRAIN & TEXTURE

THE GRAIN RANGES FROM STRAIGHT TO INTERLOCKED, GIVING THE WOOD NATURAL VISUAL MOVEMENT. TEXTURE IS MEDIUM TO COARSE, WITH A SUBTLY WARM, NATURAL APPEARANCE.

DURABILITY

CLASSIFIED AS SLIGHTLY TO MODERATELY DURABLE, WITH GOOD RESISTANCE TO BROWN-ROT, WHITE-ROT FUNGI, TERMITES, AND DRY-WOOD INSECTS. THE HEARTWOOD IS HIGHLY RESISTANT TO PRESERVATIVE TREATMENTS, WHILE THE SAPWOOD SHOWS MODERATE RESISTANCE.

WORKABILITY & ODOR

FRESH WOOD CARRIES A DISTINCT CHARACTERISTIC ODOR, THOUGH THE SCENT DISAPPEARS ONCE DRIED. THE DRY WOOD IS NEUTRAL IN ODOR AND TASTE, MAKING IT SUITABLE FOR INTERIOR AND EXTERIOR APPLICATIONS.



Red Cedar

J U N I P E R U S V I R G I N I A N A

COLOR & APPEARANCE

SPANISH CEDAR FEATURES A LIGHT PINKISH TO REDDISH-BROWN HEARTWOOD, GENTLY DARKENING WITH AGE. IT CAN CONTAIN NATURAL GUM POCKETS AND OIL DEPOSITS, AND OVERALL PRESENTS A SUBTLE, UNDERSTATED GRAIN FIGURE.

GRAIN & TEXTURE

GRAIN IS STRAIGHT OR LIGHTLY INTERLOCKED, WITH A MEDIUM TEXTURE AND MODERATE NATURAL LUSTER. ENDGRAIN CHARACTERISTICS VARY, RANGING FROM RING-POROUS TO DIFFUSE-POROUS, WITH PORES AND MINERAL DEPOSITS OCCASIONALLY VISIBLE.

DURABILITY

RATED MODERATELY DURABLE TO DURABLE, WITH STRONG RESISTANCE TO DECAY, TERMITES, AND OUTDOOR WEATHERING. WOOD FROM OLDER, SLOWER-GROWN TREES TENDS TO OFFER HIGHER NATURAL DURABILITY THAN PLANTATION MATERIAL.

WORKABILITY

SPANISH CEDAR IS EASY TO MACHINE AND SHAPE, BUT ITS LOW DENSITY MAY PRODUCE SLIGHTLY FUZZY SURFACES, REQUIRING FINER SANDING FOR A SMOOTH FINISH. GUM POCKETS CAN OCCASIONALLY AFFECT CUTTING AND FINISHING.



Darina

D I N I Z I A E X C E L S

COLOR & APPEARANCE

DARINA WOOD FEATURES A REDDISH-BROWN HEARTWOOD, SOMETIMES MARKED BY SUBTLE COLORED STREAKS. THE SAPWOOD IS SLIGHTLY PALER AND NOT ALWAYS CLEARLY DEFINED. FRESHLY CUT SURFACES MAY SHOW A LIGHT OLIVE TONE, GRADUALLY MATURING INTO A DEEPER REDDISH BROWN WITH AGE.

GRAIN & TEXTURE

GRAIN IS TYPICALLY INTERLOCKED, PAIRED WITH A UNIFORM, MEDIUM-COARSE TEXTURE AND MODERATE NATURAL LUSTER. THIS GIVES THE WOOD A BOLD, NATURAL CHARACTER SUITABLE FOR ARCHITECTURAL USE.

DURABILITY

RATED DURABLE TO VERY DURABLE, WITH STRONG NATURAL RESISTANCE TO DECAY AND INSECT ATTACK, MAKING IT RELIABLE FOR EXTERIOR AND HIGH-PERFORMANCE APPLICATIONS.

WORKABILITY & ODOR

DARINA MACHINES WELL OVERALL, THOUGH ITS INTERLOCKED GRAIN MAY REQUIRE SHARP TOOLING FOR CLEAN SURFACES. WHEN WORKED, IT RELEASES A SHARP, PUNGENT ODOR THAT DISSIPATES ONCE DRY.



Greenheart

C H L O R O C A R D I U M R O D I E I

COLOR & APPEARANCE

GREENHEART FEATURES A PALE OLIVE-GREEN HEARTWOOD ACCENTED WITH DARKER STREAKS. THE YELLOWISH-GREEN SAPWOOD BLENDS CLOSELY WITH THE HEARTWOOD, CREATING A SUBTLE, UNIFORM APPEARANCE.

GRAIN & TEXTURE

GRAIN RANGES FROM STRAIGHT TO INTERLOCKED, WITH A FINE TO MEDIUM TEXTURE AND GOOD NATURAL LUSTER. ENDGRAIN IS DIFFUSE-POROUS WITH LARGE, SPARSELY DISTRIBUTED PORES AND OCCASIONAL TYLOSES OR GUM DEPOSITS.

DURABILITY

RATED VERY DURABLE, WITH EXCEPTIONAL RESISTANCE TO DECAY, MARINE ORGANISMS, AND INSECT ATTACK. GREENHEART IS RENOWNED FOR ITS OUTSTANDING PERFORMANCE IN MARINE AND HEAVY-DUTY EXTERIOR APPLICATIONS, OFFERING EXCELLENT WEATHERING CHARACTERISTICS.



Washiba (Ipe)

H A N D R O A N T H U S S P P .

COLOR & APPEARANCE

IPE DISPLAYS A RANGE OF TONES FROM REDDISH BROWN TO YELLOW-OLIVE BROWN, AND OCCASIONALLY DARK BLACKISH BROWN, OFTEN ACCENTED WITH DEEPER CONTRASTING STREAKS. SOME SPECIES MAY CONTAIN POWDERY YELLOW DEPOSITS. WHILE VISUALLY SIMILAR TO CUMARU, IPE IS TYPICALLY DARKER AND LACKS THE SUBTLE VANILLA- OR CINNAMON-LIKE SCENT OF CUMARU WHEN WORKED.

GRAIN & TEXTURE

GRAIN VARIES FROM STRAIGHT TO IRREGULAR OR INTERLOCKED, PAIRED WITH A FINE TO MEDIUM TEXTURE AND MODERATE NATURAL LUSTER. ENDGRAIN IS DIFFUSE-POROUS WITH MEDIUM TO LARGE PORES, OCCASIONAL TYLOSES AND MINERAL DEPOSITS, AND SUBTLE RIPPLE MARKS.

DURABILITY

CLASSIFIED AS VERY DURABLE, WITH EXCELLENT RESISTANCE TO DECAY AND INSECTS. ALTHOUGH SOME SPECIES MAY BE VULNERABLE TO MARINE BORERS, IPE IS WIDELY RECOGNIZED FOR ITS SUPERB WEATHERING PERFORMANCE, EVIDENCED BY ITS LONG SERVICE LIFE IN DEMANDING OUTDOOR INSTALLATIONS.

WORKABILITY & ODOR

DUE TO ITS DENSITY, IPE CAN BE CHALLENGING TO MACHINE, THOUGH IT PRODUCES CLEAN, STABLE SURFACES WITH SHARP TOOLING. IT EMITS A MILD SCENT WHEN WORKED.



Kabukalli

G O U P I A G L A B R A

COLOR/APPEARANCE

THE THICK, DISTINCT SAPWOOD IS BROWNISH OR PINKISH. IT IS NOT CLEARLY DEMARCATED FROM THE HEARTWOOD. THE HEARTWOOD IS DESCRIBED AS LIGHT REDDISH-BROWN OR BROWN BEIGE TO ORANGE BROWN AND DARKENS SLIGHTLY UPON EXPOSURE.

GRAIN/TEXTURE

THE GRAIN IS USUALLY STRAIGHT TO INTERLOCKED. THE WOOD IS MEDIUM- TO COARSE-TEXTURED.

ROT RESISTANCE

THE WOOD IS REPORTED TO BE SLIGHTLY RESISTANT TO DECAY, OR MODERATELY DURABLE. ITS RESISTANCE TO BROWN-ROT FUNGI, WHITE-ROT FUNGI, TERMITES AND DRY WOOD INSECTS IS RATED AS GOOD. IT HAS VERY LITTLE RESISTANCE TO ATTACK BY MARINE BORERS. RESISTANCE TO IMPREGNATION. THE HEARTWOOD IS REPORTED TO BE VERY RESISTANT TO PRESERVATIVE TREATMENT. THE SAPWOOD IS MODERATELY RESISTANT.

WORKABILITY

THE WOOD EXERTS MODERATE BLUN NG EFFECT ON CUTTING TOOLS. MATERIAL CONTAINING INTERLOCKED GRAIN IS GENERALLY DIFFICULT TO PLANE. A CUTTING ANGLE OF 15 DEGREES IS RECOMMENDED. THE MATERIAL CAN BE TURNED EASILY BUT THERE IS USUALLY A LARGE AMOUNT OF DUST. THE WOOD IS FAIRLY DIFFICULT TO MOULD. BORING CHARACTERISTICS ARE RATED AS GOOD. THE MATERIAL IS REPORTED TO ROUT EASILY. GLUING PROPER ES ARE RATED AS FAIR. THE WOOD POLISHES SATISFACTORILY.

ODOR

THE WOOD HAS A FETID ODOR WHEN GREEN. THE DRY WOOD HAS NO DISCERNIBLE ODOR AND IS TASTELESS.



Locust (Jatoba)

H Y M E N A E A C O U R B A R I L

COLOR / APPEARANCE

JATOBA'S HEARTWOOD RANGES FROM LIGHT ORANGISH-BROWN TO DEEPER REDDISH-BROWN, OFTEN ACCENTED WITH DARKER GRAYISH-BROWN STREAKS. THE WOOD DARKENS NATURALLY WITH LIGHT EXPOSURE, GAINING A RICHER TONE OVER TIME. THE SAPWOOD IS PALE GRAYISH-YELLOW AND CLEARLY DEMARCATED, OFFERING A DISTINCT CONTRAST.

GRAIN / TEXTURE

THE GRAIN IS TYPICALLY INTERLOCKED, CONTRIBUTING TO THE WOOD'S STRENGTH AND VISUAL MOVEMENT. TEXTURE IS MEDIUM TO COARSE, WITH A NOTICEABLE NATURAL LUSTER THAT ENHANCES ITS WARM COLOR RANGE.

ENDGRAIN

DIFFUSE-POROUS STRUCTURE WITH LARGE, SPARSELY DISTRIBUTED PORES, APPEARING SOLITARY OR IN RADIAL GROUPS OF 2-3. OCCASIONAL DARK MINERAL DEPOSITS MAY BE PRESENT. PARENCHYMA PATTERNS INCLUDE VASICENTRIC, ALIFORM (LOZENGE/WINGED), CONFLUENT, AND MARGINAL. RAYS ARE NARROW TO MEDIUM IN WIDTH WITH NORMAL SPACING.

ROT RESISTANCE

JATOBA IS CONSIDERED VERY DURABLE, OFFERING STRONG RESISTANCE TO ROT, TERMITES, AND MOST WOOD-BORING INSECTS, MAKING IT SUITABLE FOR DEMANDING INTERIOR AND EXTERIOR APPLICATIONS.

ODOR

THE WOOD HAS NO DISTINCT ODOR WHEN BEING WORKED.



Purpleheart

P E L T O G Y N E S P P .

COLOR / APPEARANCE

FRESHLY CUT PURPLEHEART SHOWS A DULL GRAYISH-PURPLE BROWN, BUT QUICKLY TRANSFORMS INTO A DEEP EGGPLANT PURPLE WHEN EXPOSED TO AIR. OVER LONG-TERM UV EXPOSURE, IT NATURALLY SHIFTS TO A DARK BROWN WITH SUBTLE PURPLE UNDERTONES. THIS COLOR CHANGE CAN BE SLOWED WITH UV-INHIBITING FINISHES, HELPING PRESERVE ITS CHARACTERISTIC PURPLE TONE.

GRAIN / TEXTURE

GRAIN IS TYPICALLY STRAIGHT, THOUGH IT CAN BE WAVY OR IRREGULAR DEPENDING ON THE TREE. THE TEXTURE IS MEDIUM, COMPLEMENTED BY A GOOD NATURAL LUSTER.

ENDGRAIN

DIFFUSE-POROUS STRUCTURE WITH MEDIUM TO LARGE PORES, FEW IN NUMBER, APPEARING SOLITARY OR IN RADIAL MULTIPLES. OCCASIONAL MINERAL DEPOSITS MAY BE PRESENT. GROWTH RINGS RANGE FROM INDISTINCT TO CLEARLY VISIBLE DEPENDING ON SPECIES. MEDIUM RAYS ARE BARELY VISIBLE WITHOUT MAGNIFICATION AND SHOW NORMAL SPACING.

ROT RESISTANCE

PURPLEHEART IS CONSIDERED VERY DURABLE, RESISTING DECAY AND MOST INSECT ATTACKS. HOWEVER, IT CAN BE SUSCEPTIBLE TO MARINE BORERS, SO EXPOSURE IN COASTAL ENVIRONMENTS SHOULD BE EVALUATED.

ODOR

ODOR VARIES BY SPECIES: MOST ARE ODORLESS, THOUGH SOME MAY RELEASE A PUNGENT SCENT DURING MACHINING.



Meranti

SHOREA SPP.

COLOR AND APPEARANCE

THE HEARTWOOD COLOR VARIES WIDELY DEPENDING ON THE SPECIFIC SPECIES, RANGING FROM PALE PINK TO PINKISH-RED, LIGHT BROWN TO DARK BROWN, AND EVEN WHITE OR YELLOW IN SOME GROUPS. THE GRAIN IS TYPICALLY STRAIGHT BUT CAN BE INTERLOCKED, WHICH SOMETIMES PRODUCES AN ATTRACTIVE RIBBON PATTERN WHEN QUARTER-SAWN.

PROPERTIES

MERANTI IS A DURABLE, MEDIUM-TO-COARSE-TEXTURED HARDWOOD. IT IS KNOWN FOR ITS STABILITY, MEANING IT IS NOT PRONE TO WARPING OR TWISTING. IT IS GENERALLY EASY TO WORK WITH BOTH HAND AND MACHINE TOOLS, AND IT GLUES, NAILS, SCREWS, AND FINISHES WELL, THOUGH THE OPEN GRAIN MAY REQUIRE FILLING BEFORE A SMOOTH FINISH IS APPLIED.

DURABILITY

HEARTWOOD IS RATED AS MODERATELY DURABLE AND RESISTANT TO DECAY, MAKING IT SUITABLE FOR BOTH INTERIOR AND SOME EXTERIOR APPLICATIONS. SHOREA WOOD IN GENERAL HAS A HIGH OIL CONTENT WHICH PROVIDES NATURAL RESISTANCE TO ROT AND INSECT INFESTATION, SIMILAR TO TEAK, BUT AT A MORE AFFORDABLE PRICE POINT.

ODOR

NO CHARACTERISTIC ODOR.



Yellow Balau

SHOREA SPP.

COLOR/APPEARANCE

COLOR CAN BE HIGHLY VARIABLE DEPENDING UPON THE SPECIES: RANGING FROM A PALE STRAW COLOR, TO A DARKER REDDISH BROWN.

GRAIN/TEXTURE

HAS A COARSE TEXTURE WITH MEDIUM TO LARGE PORES. GRAIN IS SOMETIMES INTERLOCKED.

ROT RESISTANCE

HIGHLY VARIABLE AMONG SPECIES; SHOULD BE CONSIDERED AS NON-DURABLE IN REGARD TO DECAY RESISTANCE, AND IS ALSO SUSCEPTIBLE TO INSECT ATTACK.

WORKABILITY

TYPICALLY HARD TO WORK, DUE TO ITS HIGH DENSITY. SOME SPECIES MAY HAVE A SLIGHT BLUNTING EFFECT ON TOOLS DUE TO SMALL LEVELS OF SILICA PRESENT IN THE WOOD. GLUES, STAINS, AND FINISHES WELL.

SUSTAINABILITY

BALAU IS NOT LISTED IN THE CITES APPENDICES, BUT MANY SPECIES IN THE SHOREA GENUS ARE ON THE IUCN RED LIST. THE MAJORITY OF SHOREA SPECIES ARE LISTED AS BEING CRITICALLY ENDANGERED DUE TO A POPULATION REDUCTION OF OVER 80% IN THE PAST THREE GENERATIONS, CAUSED BY A DECLINE IN ITS NATURAL RANGE, AND EXPLOITATION.

COMMON USES: PLYWOOD, VENEER, GENERAL CONSTRUCTION, FLOORING, AS WELL AS A NUMBER OF OTHER GENERAL UTILITY PURPOSES.



Mahogany

ENTANDROPHRAGMA
CYLINDRICUM

COLOR / APPEARANCE

MAHOGANY HEARTWOOD RANGES FROM PALE PINKISH-BROWN TO DEEP REDDISH-BROWN, OFTEN DARKENING WITH AGE AND EXPOSURE TO LIGHT. THE COLOR IS TYPICALLY RICH AND UNIFORM, WITH OCCASIONAL RIBBON-LIKE OR VARIEGATED FIGURE DEPENDING ON GRAIN ORIENTATION. SAPWOOD IS PALE YELLOW TO BEIGE AND IS USUALLY WELL DIFFERENTIATED FROM THE HEARTWOOD.

GRAIN / TEXTURE

GRAIN IS GENERALLY STRAIGHT, THOUGH INTERLOCKED OR WAVY GRAIN CAN OCCUR AND PRODUCE A DECORATIVE APPEARANCE. TEXTURE IS FINE TO MEDIUM, WITH A MODERATE NATURAL LUSTER. MAHOGANY IS KNOWN FOR ITS STABLE, UNIFORM SURFACE QUALITY.

ENDGRAIN

DIFFUSE-POROUS; MEDIUM PORES, EVENLY DISTRIBUTED; SOLITARY AND RADIAL MULTIPLES. GROWTH RINGS ARE INDISTINCT OR FAINT. PARENCHYMA IS PRIMARILY PARATRACHEAL VASCICENTRIC AND ALIFORM, SOMETIMES MARGINAL. RAYS ARE NARROW TO MEDIUM, TYPICALLY VISIBLE WITHOUT MAGNIFICATION.

ROT RESISTANCE

MAHOGANY IS CONSIDERED DURABLE TO MODERATELY DURABLE, OFFERING GOOD RESISTANCE TO DECAY AND INSECT ATTACK. ITS STABILITY AND WEATHERING PERFORMANCE MAKE IT SUITABLE FOR EXTERIOR APPLICATIONS WHEN PROPERLY FINISHED.

ODOR

USUALLY SUBTLE AND SLIGHTLY SWEET, ESPECIALLY WHEN FRESHLY CUT. THE SCENT DISSIPATES AS THE WOOD DRIES.



Mora

M O R A E X C E L S A

COLOR / APPEARANCE

MORA HEARTWOOD RANGES FROM MEDIUM REDDISH-BROWN TO DEEP CHOCOLATE BROWN, OFTEN WITH DARK STREAKS OR SUBTLE PURPLISH TONES. COLOR GENERALLY DARKENS FURTHER WITH AGE. SAPWOOD IS PALE YELLOW-BROWN, CLEARLY DEMARCATED FROM THE HEARTWOOD. THE SPECIES CAN SOMETIMES SHOW A MILD RIBBON OR STRIPED APPEARANCE ON QUARTERSAWN FACES.

GRAIN / TEXTURE

GRAIN IS TYPICALLY INTERLOCKED, OCCASIONALLY STRAIGHT, PRODUCING A DENSE AND VISUALLY UNIFORM SURFACE. TEXTURE IS FINE TO MEDIUM, WITH A LOW TO MODERATE NATURAL LUSTER. THE WOOD IS KNOWN FOR ITS HIGH DENSITY AND SOLID, HEAVY FEEL.

ENDGRAIN

DIFFUSE-POROUS; PORES MEDIUM TO SMALL, SOLITARY OR IN RADIAL MULTIPLES. PARENCHYMA MOSTLY PARATRACHEAL (VASICENTRIC AND ALIFORM), SOMETIMES CONFLUENT. RAYS ARE NARROW TO MEDIUM, MODERATELY SPACED AND VISIBLE WITH THE NAKED EYE.

ROT RESISTANCE

MORA IS RATED AS VERY DURABLE, WITH STRONG RESISTANCE TO FUNGAL DECAY, INSECTS, AND MARINE BORERS. IT PERFORMS EXCEPTIONALLY WELL IN HUMID AND EXTERIOR ENVIRONMENTS, MAKING IT SUITABLE FOR HEAVY-DUTY STRUCTURAL AND MARINE APPLICATIONS.

ODOR

GENERALLY ODORLESS ONCE DRY, THOUGH GREEN WOOD MAY EMIT A FAINT, EARTHY SCENT.