

COMPANY PROFILE

IMPORTER | WHOLESALER & GENERAL ORDER SUPPLIER




ABOUT US

Chemwood, established in 2017, is one of the emerging company dealing in Softwood/ Hardwood Sawn Timber, Construction Plywood & Industrial Chemicals, based in Karachi, Pakistan.

Chemwood being an Importers/Exporters, Wholesalers & General Order Suppliers have knowledge and experience to fulfill the customer's demand and establishing a long-term partnership with them.

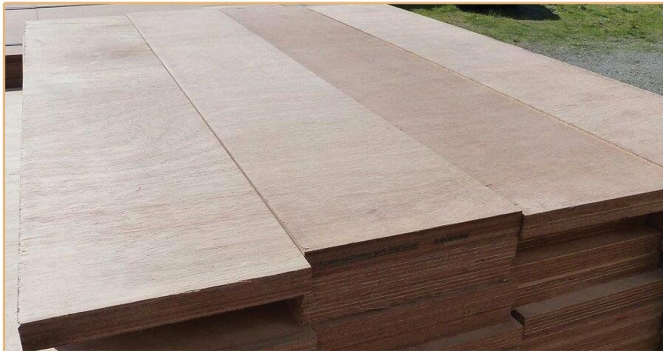
We have positioned ourselves in providing the services to our Customer's proficiently and cost effectively.

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MISSION

Our Mission to provide inclusive satisfaction and establish strong relations with our clients and valued business partners and to provide the best services and remarkable business experience to our valued business partners in time.



VISION

Our Vision to utilize its resources at the maximum in order to peruse the confidence and being the reliable and ideal business partners or not only the inbound customers but also catering the international and foreign suppliers, who are also into this field and constantly seek to optimize and expand and their business operations.

INTENTION

Our Intention is to grow and prosper the business in the field of Timber and Allied Products by providing high quality and trusted products without compromising on the quality so as to attain the firm growth and earn goodwill in a highly competitive environment



AIM

Our Aim is to earn the confidence and establish sound relations with our business partners on the grounds of honesty, loyalty and mutual consideration. Till now we have proven ourselves to be the best and most reliable Suppliers for our valued business partners and clients and we wish to continue the same in the future.

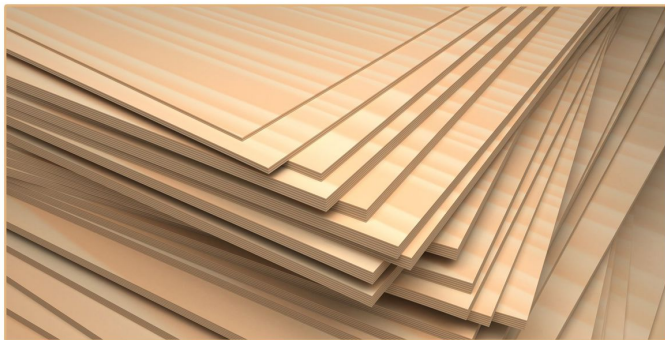
OUR SERVICES

We Specialize in offering our Products and Services in the field Construction related materials such as Timber (Softwood & Hardwood) , Plywood & Construction Chemicals.

TIMBER (SOFTWOOD & HARDWOOD)

For Timber (Softwood & Hardwood) we are working in collaboration with M/s. Woodbois Asia (Leading Importer of Softwood, Hardwood, African Lumber) & logs.

We can also supply Timber in customized dimensions as per customer's requirements.



PLYWOOD

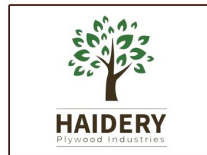
We are Importers and Stockiest of Plywood and can supply (Finger Joint, Combi Core & Hardwood) grades Plywood, We are also working in collaboration with M/s. Haiderly Plywood Industries (Pvt) Ltd (Leading manufacturer of Film Faced Shuttering Plywood in Pakistan)

CONSTRUCTION CHEMICALS

For Construction Chemicals we are working in collaboration with M/s. Burhani Impex to cater the needs of Chemicals required by construction industry.



OUR BUSINESS PARTNERS





TIMBER PRODUCTS HARDWOOD & SOFTWOOD

YELLOW MERANTI

Common Name(s): Yellow Meranti, Lauan, Philippine Mahogany

Scientific Name: Shorea spp.

Distribution: Southeast Asia

Tree Size: 130-200 ft (40-60 m) tall, 5-6 ft (1.5-2 m) trunk diameter

Average Dried Weight: 35 lbs/ft³ (565 kg/m³)

Specific Gravity (Basic, 12% MC): .44, .56

Janka Hardness: 700 lbf (3,120 N)

Modulus of Rupture: 11,720 lbf/in² (80.8 MPa)

Elastic Modulus: 1,548,000 lbf/in² (10.68 GPa)

Crushing Strength: 6,450 lbf/in² (44.5 MPa)

Shrinkage: Radial: 3.3%, Tangential: 7.7%, Volumetric: 10.5%, T/R Ratio: 2.3

Color/Appearance: Typically a yellow to yellow-brown, which tends to darken with age

Common Uses: Plywood, interior furniture, and general construction lumber

Workability: Typically easy to work, though any interlocked grain can present problems during planing. 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



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

WHITE SPRUCE

Common Name(s): White Spruce

Scientific Name: *Picea glauca*

Distribution: Northern North America

Tree Size: 110 ft (34 m) tall, 2-3 ft (.6-1.0 m) trunk diameter

Average Dried Weight: 27 lbs/ft³ (425 kg/m³)

Specific Gravity (Basic, 12% MC): .33, .43

Janka Hardness: 480 lbf (2,140 N)

Modulus of Rupture: 8,640 lbf/in² (59.6 MPa)

Elastic Modulus: 1,315,000 lbf/in² (9.07 GPa)

Crushing Strength: 4,730 lbf/in² (32.6 MPa)

Shrinkage: Radial: 4.7%, Tangential: 8.2%, Volumetric: 13.7%, T/R Ratio: 1.7

Color/Appearance: White Spruce is typically a creamy white, with a hint of yellow

Common Uses: Paper (pulpwood), construction lumber, millwork, and crates

Workability: Easy to work, as long as there are no knots present. Glues and finishes well, though it can give poor (blotchy and inconsistent) results when being stained due to its closed pore structure. A sanding sealer, gel stain, or toner is recommended when coloring Spruce



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

WHITE ASH

Common Name(s): White Ash, American White Ash

Scientific Name: Fraxinus Americana

Distribution: Eastern North America

Tree Size: 65-100 ft (20-30 m) tall, 2-5 ft (.6-1.5 m) trunk diameter

Average Dried Weight: 42 lbs/ft³ (675 kg/m³)

Specific Gravity (Basic, 12% MC): .55, .67

Janka Hardness: 1,320 lbf (5,870 N)

Modulus of Rupture: 15,000 lbf/in² (103.5 MPa)

Elastic Modulus: 1,740,000 lbf/in² (12.00 GPa)

Crushing Strength: 7,410 lbf/in² (51.1 MPa)

Shrinkage: Radial: 4.9%, **Tangential:** 7.8%, **Volumetric:** 13.3%, **T/R Ratio:** 1.6

Color/Appearance: The heartwood is a light to medium brown color

Common Uses: Flooring, millwork, boxes/crates, baseball, bats

Workability: Produces good results with hand or machine tools. Responds well to steam bending.
Glues, stains, and finishes well



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

SAPELE

Common Name(s): Sapele, Sapelli, Sapeli

Scientific Name: Entandrophragma cylindricum

Distribution: Tropical Africa

Tree Size: 100-150 ft (30-45 m) tall, 3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 42 lbs/ft³ (670 kg/m³)

Specific Gravity (Basic, 12% MC): .50, .67

Janka Hardness: 1,410 lbf (6,280 N)

Modulus of Rupture: 15,930 lbf/in² (109.9 MPa)

Elastic Modulus: 1,746,000 lbf/in² (12.04 GPa)

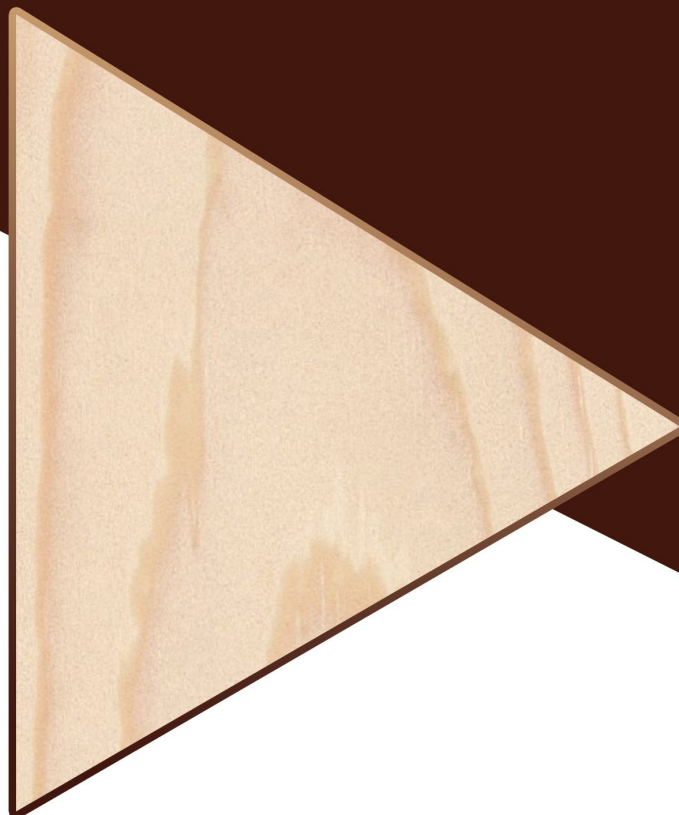
Crushing Strength: 8,750 lbf/in² (60.4 MPa)

Shrinkage: Radial: 4.8%, Tangential: 7.2%, Volumetric: 12.8%, T/R Ratio: 1.5

Color/Appearance: Heartwood is a golden to dark reddish brown. Color tends to darken with age

Common Uses: Veneer, plywood, furniture, cabinetry, flooring, boatbuilding, musical instruments, turned objects, and other small wooden specialty items

Workability: Sapele can be troublesome to work in some machining operations, (i.e., planing, routing, etc.), resulting in tearout due to its interlocked grain



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

PONDEROSA PINE

Common Name(s): Ponderosa Pine

Scientific Name: *Pinus ponderosa*

Distribution: Western North America

Tree Size: 100-165 ft (30-50 m) tall, 2-4 ft (.6-1.2 m) trunk diameter

Average Dried Weight: 28 lbs/ft³ (450 kg/m³)

Specific Gravity (Basic, 12% MC): .38, .45

Janka Hardness: 460 lbf (2,050 N)

Modulus of Rupture: 9,400 lbf/in² (64.8 MPa)

Elastic Modulus: 1,290,000 lbf/in² (8.90 GPa)

Crushing Strength: 5,320 lbf/in² (36.7 MPa)

Shrinkage: Radial: 3.9%, Tangential: 6.2%, Volumetric: 9.7%, T/R Ratio: 1.6

Color/Appearance: Heartwood is reddish brown, sapwood is yellowish white

Common Uses: Veneer, plywood, sheathing, subflooring, boxes, crates, posts/poles, interior trim, cabinetry, and construction lumber

Workability: Ponderosa pine works well with both hand and machine tools. Glues and finishes well



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

OKOUME

Common Name(s): Okoume, Gabon

Scientific Name: Aucoumea klaineana

Distribution: Central Africa (primarily Gabon)

Tree Size: 100-130 ft (30-40 m) tall, 3-6 ft (1-1.8 m) trunk diameter

Average Dried Weight: 27 lbs/ft³ (430 kg/m³)

Specific Gravity (Basic, 12% MC): .35, .43

Janka Hardness: 400 lbf (1,790 N)

Modulus of Rupture: 10,870 lbf/in² (75.0 MPa)

Elastic Modulus: 1,228,000 lbf/in² (8.47 GPa)

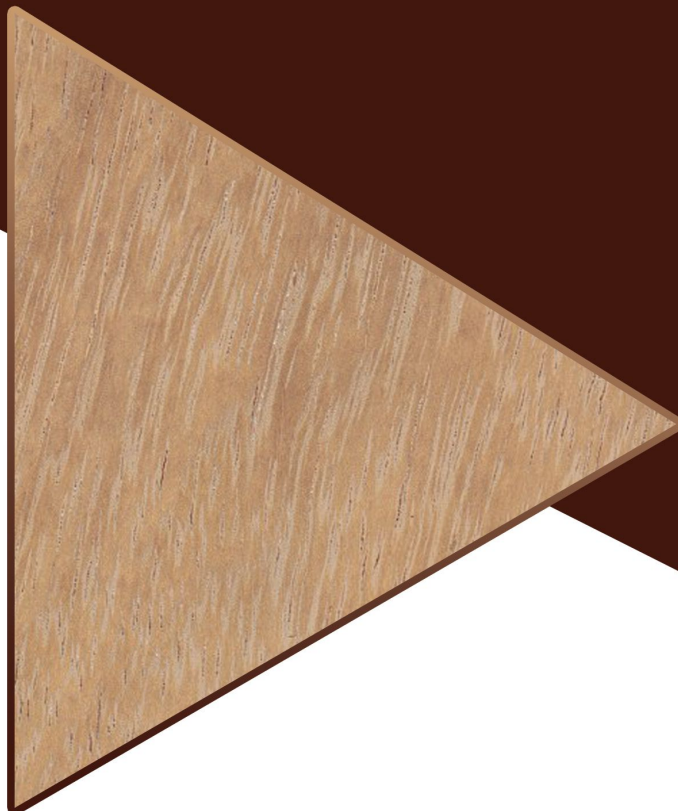
Crushing Strength: 5,250 lbf/in² (36.2 MPa)

Shrinkage: Radial: 4.6%, Tangential: 7.1%, Volumetric: 12.2%, T/R Ratio: 1.5

Color/Appearance: Heartwood ranges from a pale pink to light brown. Color darkens with age

Common Uses: Veneer, plywood, boatbuilding, musical instruments, furniture, and interior millwork

Workability: High silica content has a pronounced blunting effect on cutters. Planing and shaping may produce tearout or fuzzy surfaces. Glues and finishes well



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

IROKO

Common Name(s): Iroko

Scientific Name: *Milicia excelsa*, *M. regia* (syn. *Chlorophora excelsa*, *C. regia*)

Distribution: Tropical Africa

Tree Size: 100-130 ft (30-40 m) tall, 3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 41 lbs/ft³ (660 kg/m³)

Specific Gravity (Basic, 12% MC): .55, .66

Janka Hardness: 1,260 lbf (5,610 N)

Modulus of Rupture: 12,700 lbf/in² (87.6 MPa)

Elastic Modulus: 1,360,000 lbf/in² (9.38 GPa)

Crushing Strength: 7,840 lbf/in² (54.0 MPa)

Shrinkage: Radial: 2.8%, Tangential: 3.8%, Volumetric: 8.8%, T/R Ratio: 1.4

Color/Appearance: Heartwood is usually a yellow to golden or medium brown

Common Uses: Veneer, flooring, furniture, cabinetry, boatbuilding, turned items, and other small specialty wood items

Workability: Generally easy to work, with the exception of its interlocked grain, which may cause some tearout during surfacing operations



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

EASTERN WHITE PINE

Common Name(s): Eastern White Pine

Scientific Name: *Pinus strobus*

Distribution: Eastern North America (also widely grown on plantations throughout its natural range)

Tree Size: 65-100 ft (20-30 m) tall, 2-4 ft (.6-1.2 m) trunk diameter (historically older-growth trees were much larger)

Average Dried Weight: 25 lbs/ft³ (400 kg/m³)

Specific Gravity (Basic, 12% MC): .34, .40

Janka Hardness: 380 lbf (1,690 N)

Modulus of Rupture: 8,600 lbf/in² (59.3 MPa)

Elastic Modulus: 1,240,000 lbf/in² (8.55 GPa)

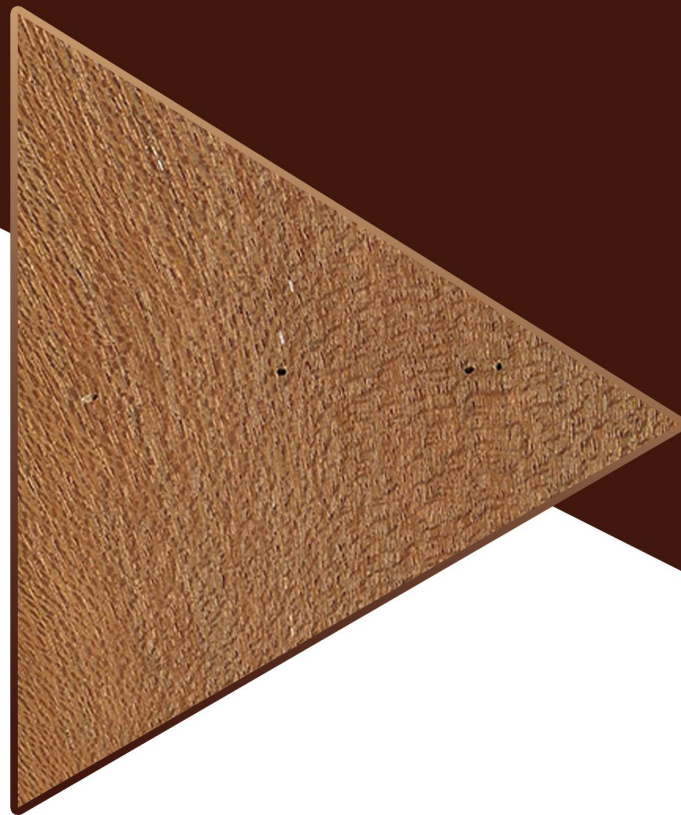
Crushing Strength: 4,800 lbf/in² (33.1 MPa)

Shrinkage: Radial: 2.1%, **Tangential:** 6.1%, **Volumetric:** 8.2%, **T/R Ratio:** 2.9

Color/Appearance: Heartwood is a light brown, sometimes with a slightly reddish hue, sapwood is a pale yellow to nearly white

Common Uses: Crates, boxes, interior millwork, construction lumber, carving, and boatbuilding

Workability: Eastern White Pine is easy to work with both hand and machine tools



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

DARK RED MERANTI

Common Name(s): Dark Red Meranti, Lauan, Philippine Mahogany

Scientific Name: Shorea spp.

Distribution: Southeast Asia

Tree Size: 65-130 ft (20-40 m) tall, 3-6 ft (1-2 m) trunk diameter

Average Dried Weight: 42 lbs/ft³ (675 kg/m³)

Specific Gravity (Basic, 12% MC): .55, .68

Janka Hardness: 800 lbf (3,570 N)

Modulus of Rupture: 12,710 lbf/in² (87.7 MPa)

Elastic Modulus: 1,743,000 lbf/in² (12.02 GPa)

Crushing Strength: 7,070 lbf/in² (48.8 MPa)

Shrinkage: Radial: 3.9%, Tangential: 7.8%, Volumetric: 12.5%, T/R Ratio: 2.0

Color/Appearance: Typically a dark reddish or purplish brown; commonly with white resin streaks present

Common Uses: Plywood, interior furniture, general construction, concrete forms, veneer, and boatbuilding

Workability: Typically easy to work, though any interlocked grain can present problems during planing, and Dark Red Meranti is reported to have very poor steam-bending properties



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

AFROMOSIA

Common Name(s): Afrormosia, African Teak

Scientific Name: *Pericopsis elata*

Distribution: West Africa

Tree Size: 100-150 ft (30-46 m) tall, 3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 45 lbs/ft³ (725 kg/m³)

Specific Gravity (Basic, 12% MC): .57, .72

Janka Hardness: 1,570 lbf (6,980 N)

Modulus of Rupture: 14,920 lbf/in² (102.9 MPa)

Elastic Modulus: 1,715,000 lbf/in² (11.83 GPa)

Crushing Strength: 9,570 lbf/in² (66.0 MPa)

Shrinkage: Radial: 3.2%, Tangential: 6.2%, Volumetric: 9.9%, T/R Ratio: 1.9

Color/Appearance: Heartwood is typically a yellowish brown, occasion will have an either reddish or olive hue

Common Uses: Boatbuilding, veneer, flooring, and furniture

Workability: In nearly all regards, Afrormosia is easy to work with both hand and machine tools, though surfacing boards with interlocking grain may cause tearout



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

AFRICAN MAHOGANY

Common Name(s): African Mahogany

Scientific Name: *Khaya* spp. (*Khaya anthotheca*, *K. grandifoliola*, *K. ivorensis*, *K. senegalensis*)

Distribution: West tropical Africa

Tree Size: 100-130 ft (30-40 m) tall, 3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 40 lbs/ft³ (640 kg/m³)

Specific Gravity (Basic, 12% MC): .52, .64

Janka Hardness: 1,070 lbf (4,760 N)

Modulus of Rupture: 13,190 lbf/in² (91.0 MPa)

Elastic Modulus: 1,537,000 lbf/in² (10.60 GPa)

Crushing Strength: 7,100 lbf/in² (49.0 MPa)

Shrinkage: Radial: 4.2%, **Tangential:** 5.7%, **Volumetric:** 10.0%, **T/R Ratio:** 1.4

Color/Appearance: Heartwood color is variable, ranging from a very pale pink to a deeper reddish brown, sometimes with streaks of medium to dark reddish brown

Common Uses: Veneer, plywood, turned items, furniture, boatbuilding, and interior trim

Workability: Easy to work, glue, and finish. Tearout can sometimes be a problem if the grain is interlocked



TIMBER PRODUCTS HARDWOOD & SOFTWOOD

AFRICAN PADAUK

Common Name(s): African Padauk, Vermillion

Scientific Name: *Pterocarpus soyauxii*

Distribution: Central and tropical west Africa

Tree Size: 100-130 ft (30-40 m) tall, 2-4 ft (.6-1.2 m) trunk diameter

Average Dried Weight: 47 lbs/ft³ (745 kg/m³)

Specific Gravity (Basic, 12% MC): .61, .75

Janka Hardness: 1,970 lbf (8,760 N)

Modulus of Rupture: 16,830 lbf/in² (116.0 MPa)

Elastic Modulus: 1,700,000 lbf/in² (11.72 GPa)

Crushing Strength: 8,130 lbf/in² (56.0 MPa)

Shrinkage: Radial: 3.3%, Tangential: 5.2%, Volumetric: 7.6%, T/R Ratio: 1.6

Color/Appearance: Heartwood color can vary, ranging from a pale pinkish orange to a deep brownish red

Common Uses: Veneer, flooring, turned objects, musical instruments, furniture, tool handles, and other small specialty wood objects

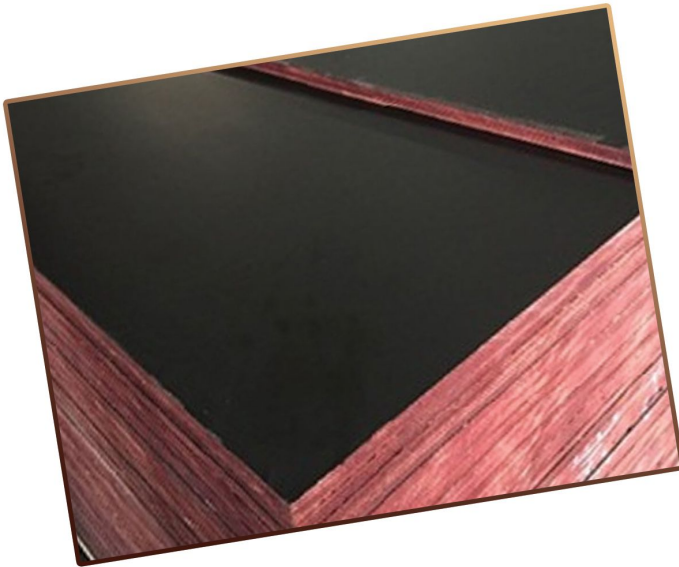
Workability: Overall Padauk is easy to work; tearout may also occur during planing on quartersawn or interlocked grain. Padauk turns, glues, and finishes well.

TIMBER PRODUCTS CONSTRUCTION SIZES

SPRUCE / PINE (PERTAL / KAIL)

Regular Sizes:

1. Size: 3" x 3" x 8'/10'
2. Size: 3" x 4" x 8'/10'
3. Size: 2" x 10" / 12" x 10' / 12'



PLYWOOD (LOCAL)

- Grade:** Good 2 Sides
Face & Back: Brown Film / Green Film
Core: Combi / Hardwood
Glue: WBP
Thickness: 18mm
Size: 1220 x 2440mm

PLYWOOD PRODUCTS IMPORTED & LOCAL

PLYWOOD (IMPORTED)

- Grade:** Good 2 Sides
Face & Back: Black Film / Brown Film
Core: Finger Joint / Combi / Hardwood
Glue: WBP
Thickness: 18mm
Size: 1220 x 2440mm



CHEMICALS

CAUSTIC SODA

Application/Uses:

Caustic soda (sodium hydroxide) is a versatile alkali. Its main uses are in the manufacture of pulp and paper, alumina, soap and detergents, petroleum products and chemical production. Other applications include water treatment, food, textiles, metal processing, mining, glass making and others.

SODA ASH

Application/Uses:

Soda ash, also known as sodium carbonate, has the following uses: Industrial applications – Being a highly soluble substance, soda ash is used for numerous chemical reactions. It's mostly used as an ingredient in the manufacture of dyes and coloring agents, synthetic detergents and fertilizers

SILICA FUMES

Application/Uses:

Silica fume is a byproduct of producing silicon metal or ferrosilicon alloys. One of the most beneficial uses for silica fume is in concrete. Because of its chemical and physical properties, it is a very reactive pozzolan. Concrete containing silica fume can have very high strength and can be very durable.

FUMED SILICA

Application/Uses:

Fumed silica gel, it serves as a desiccant. It is used in cosmetics for its light-diffusing properties. It is used as a light abrasive, in products like toothpaste. Other uses include filler in silicone elastomer and viscosity adjustment in paints, coatings, printing inks, adhesives and unsaturated polyester resins

BORIC ACID

Application/Uses:

Boric acid, also called hydrogen borate, boracic acid, orthoboric acid and acidum boricum, is a weak, monobasic Lewis acid of boron, which is often used as an antiseptic, insecticide, flame retardant, neutron absorber, or precursor to other chemical compounds.



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