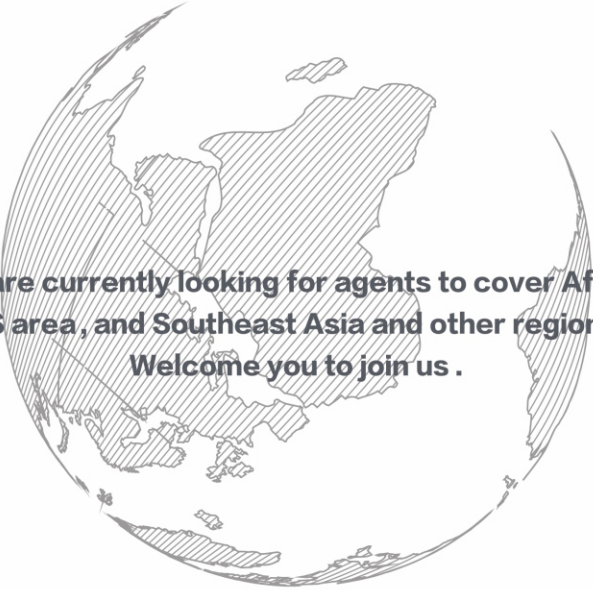


ZMADTO

Wood Qualified Supplier



We are currently looking for agents to cover Africa,
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JV company of ADTO

Changsha ZMADTO Plywood Co., Ltd

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Changsha,Hunan,China

Factory Add-1: ZuogeVillage, Wenan County,Langfang City, Hebei Province, China

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Changsha ZMADTO Plywood Co.,Ltd

A.Solid Wood Board

a.Paulownia Wood Board

(1) Product Information

Product Name	Paulownia Wood Board
Common Name(s)	Paulownia, Royal Paulownia, Princess Tree, Kiri
Scientific Name	Paulownia tomentosa
Density	280-300Kgs/m ³
Production Method	Paulownia edge glued board, Paulownia finger joint board Paulownia solid sole board, Paulownia composite board
Size	Standard length*width: 1220*2440mm or 1200*2400mm Thickness(1-ply): 3mm-45mm The dimensions could be produced as per your specific demand
Ply	1-ply or Multiple-ply. Produce as customized
Strip Width	Strips glued together with standard different width or with the same width
Color and Finish	Natural wood color or bleached or carbonized or painted as requested
Glue	SGS Certified E0 level Wood Puzzle Glue > Non-toxic, Healthy and Eco-friendly, > Fast setting time and strong viscosity > Excellent water resistance, heat resistance and solvent resistance
Moisture content:	6%-12%(Kiln-dried)
Grade Level	AA, AB, BB, CC, DD
Certificates	FSC, ISO, SGS, etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Packing Method	Standard Pallet Package for export
Application	Furniture, Wooden Crafts, Musical instruments, Automotive sector, Construction, Decoration, Coffins, Doors, Surfboard, Ski boards, Kite board, Core fillings, etc

(2) Product Show

Different grade level of paulownia boards could be produced as per your specific demand or target price level.

Paulownia Edge Glued Board



Paulownia Finger Joint Board(visible or hidden finger joint)



Paulownia Composite Board



(3) Characteristics



Paulownia wood material is quite excellent lightweight wood and it is widely used.

1. Light And Tough Material: Paulownia wood is one of the lightest wood on the earth. The air-dry density is 0.28-0.3 grams / cubic centimeter, 40% lighter than the average wood. Light and tough are the biggest advantages of Paulownia.
2. Non-curl shape: Because of its small shrinkage factor, paulownia is not easily to get bend, curved or deformed.
3. Keep dry: Dried Paulownia is difficult to absorb water and moisture, it has a high degree of preservation.
4. Acid resistant refractory: Paulownia burning is as much as 425 points, which is the rare character. Rot-resistant acid is also a unique feature of it, so People always make a coffin with Paulownia.
5. Resistant to wear and tear: Paulownia wood, although light, but not easy to wear.
6. The brightly-colored texture appearance: Paulownia wood has the silk like bright, beautiful and delicate texture, and its natural patterns are rather good.
7. Leading tone feature is good: Paulownia is indispensable material to make instrument and no matter what changes about the weather can be a stable tone, thus is how "Qin Tong" known. The board of the dulcimer, pipa, Qin Hu and Liuqin are all made by the paulownia.
8. Easy to carve the dyeing: The paulownia is easy to be processed, carved and dyed. In the construction it can be used to make purlin, windows and doors, ceiling, princess and room partition board and so on.

(4) Application



b. Pine Wood Board

Product Name	Pine Wood Board
Wood Material	Radiata Pine from New Zealand , Argentina or Chile Mongolian scotch pine from Russia or Northeastern China Chinese White Pine
Density	480-500kgs/m ³
Production Method	Pine edge glued board, Pine finger joint board Pine laminated wood board
Size	Standard length*width: 1220*2440mm Thickness(1-ply): 3mm-45mm The dimensions could be produced as per your specific demand
Ply	1-ply or Multiple-ply. Produce as customized
Color and Finish	Natural wood color or carbonized or painted as requested
Glue	SGS Certified E0 level Wood Puzzle Glue > Non-toxic. Healthy and Eco-friendly, > Fast setting time and strong viscosity > Excellent water resistance, heat resistance and solvent resistance
Moisture content:	6%-12%(Kiln-dried)
Grade Level	AA,AB,BB,CC
Certificates	FSC,ISO,SGS,etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Packing Method	Standard Pallet Package for export
Application	Furniture, Wooden Crafts, Building and Construction, Decoration, Doors, Core fillings, etc

(1) Product Show

Radiata Pine Edge Glued Board



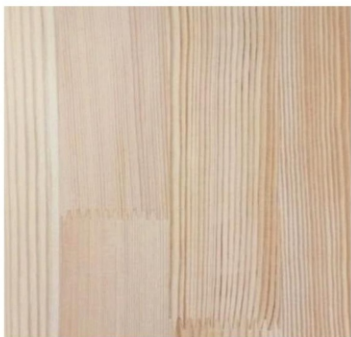
Radiata Pine Visible Finger Joint Board and Hidden Finger Joint Board



Mongolian Scotch Pine edge glued board



Mongolian Scotch Pine (Visible) Finger Joint Board and (Hidden) Finger Joint Board



(2) Working with pine

1. Pine wood is medium-weight and relatively soft. Its strength and elasticity are good.
2. It has very good natural durability, which can be worked easily by hand or machine. It can be sliced or peeled. Nailed, screwed or glued connections are straightforward. The surface can be finished with all kinds of paints.
3. What's more, pine, like all timbers, can be moulded into different shapes to suit individual requirements and styles. It can also be painted in a solid colour or in a translucent stain to emphasize the distinctive grain. Pine, similarly to hardwood, pine creates a traditional appearance that suits both modern and period properties.



c. Poplar Wood Board

Product Name	Poplar Wood Board
Density	380-400kgs/m ³
Production Method	Poplar edge glued board, Poplar finger joint board
Size	Standard length*width: 1220*2440mm Thickness(1-ply): 3mm-45mm The dimensions could be produced as per your specific demand
Color and Finish	Natural wood color or Carbonized or Bleached
Glue	SGS Certified E0 level Wood Puzzle Glue > Non-toxic. Healthy and Eco-friendly, > Fast setting time and strong viscosity > Excellent water resistance, heat resistance and solvent resistance
Moisture content:	6%-12%(Kiln-dried)
Grade Level	AA, AB, BB, CC
Certificates	FSC, ISO, SGS, etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Application	Furniture, Building and Construction, Decoration, Plywood, Pallets, Frame, Core fillings, etc

Product Show

Poplar edge glued board



Poplar finger joint board



Working With Poplar

1. Poplar is relatively easy to work with. One key is to make sure that your cutting tools are sharp, as poplar can tear if the cutting edges on a tool are less than optimal. Also, use a slow feed speed to avoid tearing. Drilling and boring should be done at slower RPM speeds than you would use for other hardwoods.

2. Because of its relatively soft nature, poplar will need to be sanded with progressively finer grits of sandpaper, as more coarse grits will leave sanding marks that need to be removed.

3. Poplar is renowned for its ability to take paint well. It is relatively resistant to decay, and when sanded, primed, and painted thoroughly, it should hold up well to normal wear and tear for many interior projects. If you intend to use poplar for outdoor woodworking plans, you may need to apply a new coat of paint every couple of years, depending on the project and the location of the finished pieces.



d. Cedar Wood Board

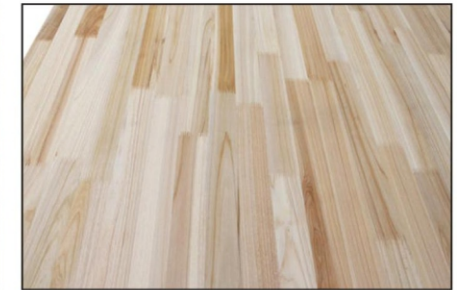
Product Name	Cedar Wood Board
	Aromatic cedar, Red Cedar (China Fir)
Density	400kgs/m ³
Production Method	Cedar edge glued boards Cedar finger joint boards
Size	Standard length*width: 1220*2440mm Thickness(1-ply): 3mm-45mm The dimensions could be produced as per your specific demand
Color and Finish	Natural wood color
Glue	SGS Certified E0 level Wood Puzzle Glue > Non-toxic, Healthy and Eco-friendly, > Fast setting time and strong viscosity > Excellent water resistance, heat resistance and solvent resistance
Moisture content:	6%-12%(Kiln-dried)
Grade Level	BB, CC
Certificates	FSC, ISO, SGS, etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Application	Furniture, Construction, Decoration, Exterior siding, Shingles, Decking, Greenhouses, fences, etc

Product Show

Cedar Edge Glued Board



Cedar Finger Joint Board



Working With Cedar

1. Cedar wood is widely known for its wonderful aroma and insect-repelling quality. The oil inside the wood emits an earthy, woody and slightly sweet scent that has made it a favorite choice for hot tubs, saunas and even within the sensory palette of your favorite colognes.
2. Cedar has natural weather-resistant properties that make it a good choice for siding, shingles, decking, greenhouses, arbors and fences. It's considered to be a "durable" wood that can withstand exposure to the elements, but it's not completely rot-resistant. Regular upkeep helps protect cedar.
3. Cedar wood doesn't shrink, swell or warp to the extent of comparable lumber, even under severe changes in humidity or temperature. Its large proportions of cell cavities, which are filled with air, give it high-thermal insulation.
4. Being able to withstand so many conditions, this type of wood is often favored for its decay resistance. It naturally resists rot over time, upwards of 40 years. This quality alone makes it a favored choice for exterior siding, despite its softness.
5. Cedar is also sound resistant – an often overlooked quality that makes it a great choice for fencing or exterior sound barriers. Other popular uses for cedar include decks, shingles, exterior and interior trim, blinds, shutters and exterior landscaping.
6. Cedar wood can be left without finish or paint, but the durability of cedar is enhanced by regular applications of sealer to retain its color and stability. Since cedar wood is also pitch and resin-free, it's easy to finish if you choose to do so, holding a wide range of colors.

e. oak Wood Board

Product Name	Oak Wood Board
Type	White Oak and Red Oak
Density	700-750kgs/m ³
Production Method	Oak edge glued boards Oak finger joint boards
Size	Standard length*width: 1220*2440mm Thickness(1-ply): 3mm-45mm The dimensions could be produced as per your specific demand
Color and Finish	Natural wood color or painted as requested
Glue	SGS Certified E0 level Wood Puzzle Glue > Non-toxic, Healthy and Eco-friendly, > Fast setting time and strong viscosity > Excellent water resistance, heat resistance and solvent resistance
Moisture content:	6%-12%(Kiln-dried)
Grade Level	AA,AB,BB
Certificates	FSC,ISO,SGS,etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Application	Furniture,Decoration,home-wares, flooring, wine barrels,etc

Product Show

Oak Edge Glued Board



Oak Finger Joint Board



Working With Oak

Oak wood board is exceedingly strong, heavy and durable. It is an attractive light colour with a prominent grain and is resistant to fungal attack. Thanks to its durable and hard-wearing properties, we use oak for collections that require lasting materials, like for kitchen accessories and chopping boards.

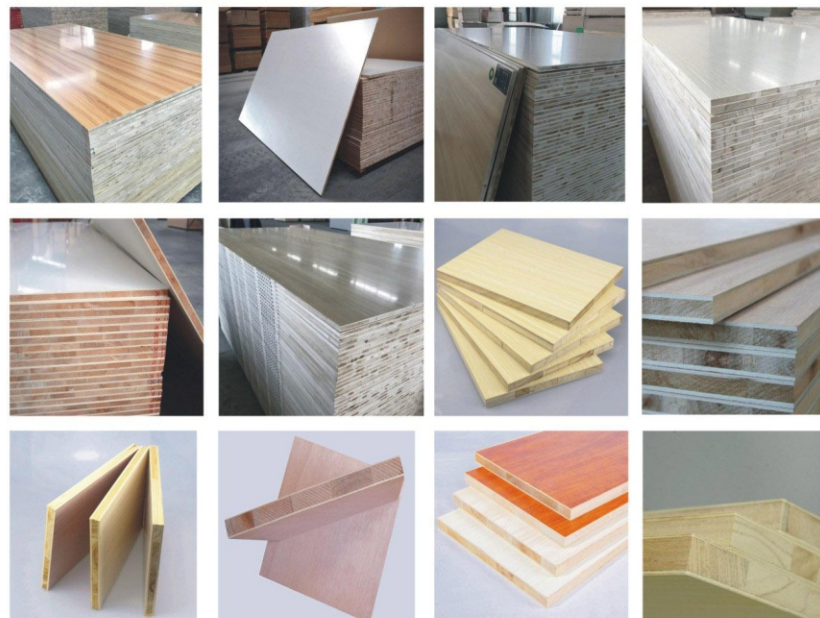
- . Valuable, durable and long-lasting wood.
- . Attractive wood color and grain.
- . less likely to warp when exposed to sunlight.
- . good water resistant properties.
- . highly resistant to wear and tear.
- . stains and polishes well.



B. Block board

Product Name	Blockboard
Size	Standard length*width: 1220*2440mm Thickness: Mini to Max: 9mm-40mm Popular ones: 12/15/17/18/20/22/30/32/35mm etc or as customized
Face and Back	Melamine Paper or solid wood veneer like okoume, poplar, oak, etc, or Engineered wood veneer Or MDF faced
Core	Paulownia, Pine, Poplar, Poplar shaft, Fir, cedar, Eucalyptus, Plywood, etc or as customized
Core Joint Ways	Edge Glued, Butt-joint, Finger Joint, Overlap, etc.
Glue	MR for Interior Grade, BWP for Exterior Grade
Formaldehyde release level	E0≤0.5mg/L E1≤1.5mg/L E2≤5mg/L E0 and E1 is for indoor furniture or decoration. E2 is for outdoor construction
Ply	5-ply, 7-ply, etc
Surface	Polished or Embossed
Finish	Matt or High-glossy
Moisture content:	6%-12%
Grade Level	AA, BB
Advantage	*Light weight and easy to carry and operate; *Wide range of application; *Environmentally friendly, no formaldehyde; *Long service life, corrosion resistance; *High level of strength close to solid wood; *Dimensional stability; *Modernity and beautiful appearance; *Use a blockboard for no additional veneering; *Affordable price for both high quality furniture material.
Application	Block board is used to make doors, furniture, tables, shelves, flooring, paneling and partition walls. It is normally used for interior usages, due to the type of glues used

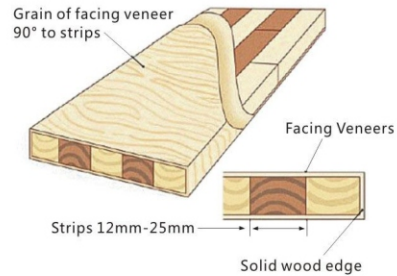
Product Show



Advantage and Features:

1. Blockboard is a panel made of wood, composed of slats or bars, they can be glued together for greater durability, and are covered with veneer from both sides, in one or two layers. A very important advantage of Blockboard is in terms of form stability. They can even show stability and have excellent moisture resistance in humid environment.
2. The price is cheaper than solid wood boards.
3. Block boards are good for screwing and nailing. They can hold screw, nail and laminating coat and for this, it is easy to work on it.
4. For warping or twisting this is a good choice for its resistance quality.
5. The lightweight of block board made it convenient to use. The bulk of the board made up of core block are also popular for its light weight as made from softwood and easy for transportation.
6. Block board has no external difference from a natural tree, but its weight is lighter, it is practical and has long service life.
7. If you need furniture material, then the block board is an ideal solution, eco-friendly and safe. Block board is perfect for creating high-end, high-quality furniture of various kinds. The furniture from a block board considerably differs from furniture from other materials, it has long term of operation, is durable and strong, and also has fine elegant appearance.

Blockboard



- Strips of softwood glued together and faced with veneers
- Does not split easily
- Can screw into the edge
- wide sheets (8' x 4')

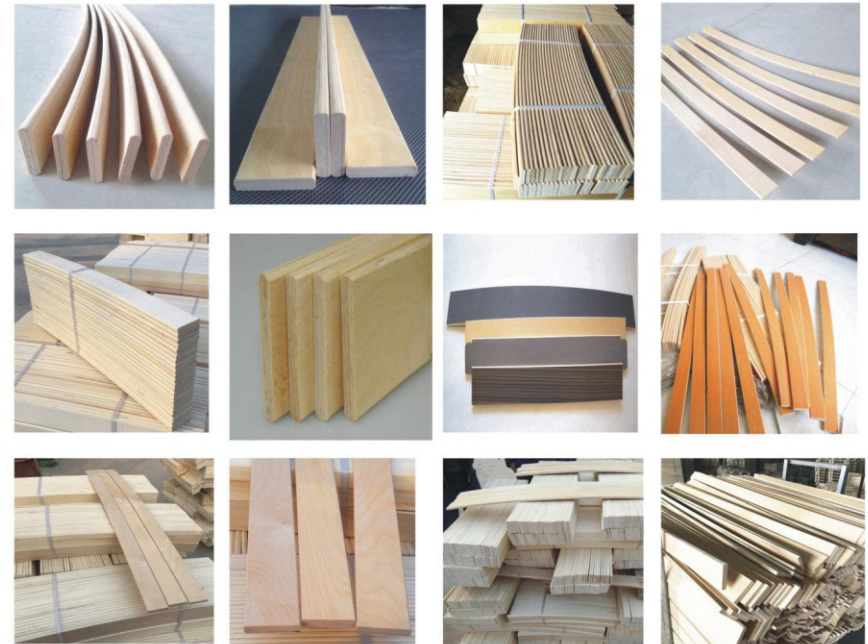
Application



C. Wooden Bed Slats

Product Name	Wooden Bed Slats
Wood Materials	Poplar Plywood, Birch Plywood or Mixed plywood or Solid wood
Sizes	400-2500mm long, 20-1220mm wide, 8-40mm thick, or as customized
Color and Finish	Nature Wood Color or Bleached or Painted or Engineered wood veneered or Colored Foil paper faced or as customized
Shape	Curved one, like R3500 or Straight one
Formaldehyde release level of Glue	E0≤0.5mg/L E1≤1.5mg/L E0 and E1 is for indoor furniture or decoration.
Moisture content:	6%-12%
Grade Level	AA, BB
Advantage	*Easy to Handle *Environmentally friendly and comfortable, no formaldehyde; *Long service life, corrosion resistance; *High level of strength and stability
Application	Wooden bed keel, bed frame, bed slats, wooden bed parts, furniture parts

Product Show



Advantages of Using Slat Base

1. The slat base contains slats placed in the latitude of the frame inside a frame on the upper surface holding the bed. Slat bases are usually shown as alternatives to box spring bases.
2. Slat bases can be produced as blind bases, chested bases or moving bases. The slat base creates a flexible and dynamic backdrop for the bed, just like a box spring. The mattress stretches with the bottom surface and increases comfort. Materials such as springs and sponges in your bed have a certain fatigue lifespan. After certain years of use, these materials lose their elasticity and your bed doesn't feel as comfortable as it used to be. When you use a slat base, the loads and shocks on the bed are absorbed, which increases the comfort of your bed and increases the life span of your bed.
3. Large gaps between slats improve thermal comfort by making strong air circulation possible. Since the internal temperature and humidity of the bed does not rise excessively, the rapid growth of bacteria and mites is prevented. This makes it easier for the bed to remain hygienic. Of course, for this, the bed design must also be built to provide a strong air circulation.



D. Other Popular Wooden Products

a. Wooden Breaking Board

(1) Product Information

Product Name	Wooden Breaking Boards
Wood Material	Paulownia, Pine
Color	Natural Wood
LOGO	Laser engraving, Hot-stamping
Size	Length*Width: 225*300mm or or 300*300mm or 200*280mm Thickness: 4/6/9/12/15/18/20/25/30 mm Final dimension could be produced as customized
Grade Level	AA, AB
MOQ	3000pcs
Application	Martial Arts, Taekwondo, Karate training and performance

(2) Product Show



(3) Package

The boards will be packed into bundles with wrapping ropes and covered with preservative film with air holes outside for moisture-proof. Then being packed into carton box.



(4) Application and Features

Breaking can often be seen in Kungfu, karate and taekwondo. It is a martial arts technique that is used in competition, demonstration and testing. Breaking is an action where a martial artist uses a striking surface to break one or more objects using the skills honed in their art form. The striking surface is usually a hand or a foot, but may also be a fingertip, toe, head, elbow, knuckle, or knee. The most common object is a piece of wood.

- *Ideal for breaking demonstrations and events
- *Perfect for kids and beginners
- *Gain confidence, skill and power
- *Designed to break safely and easily



b, Carbonized Wood Board

(1) Product Information

Product Name	Carbonized Wood Board
Wood Material	Paulownia, Pine, Poplar, etc
Color	Dark-walnut Finish
Production Method	Carbonized Treatment by Manual-Burned or Machine Heated Technique
Finish	Clear varnish coated or waxed
Surface	All sides and edges sanded and polished
Size	Length*Width: 430*150mm or 610*115mm or as customized Thickness: 6/9/12/15/18/20/25/30 mm, etc
Grade Level	AA, AB, BB, etc
Application	Wood Crafts like wall display Shelves, wooden tray or boxes, etc Furniture or Construction, etc

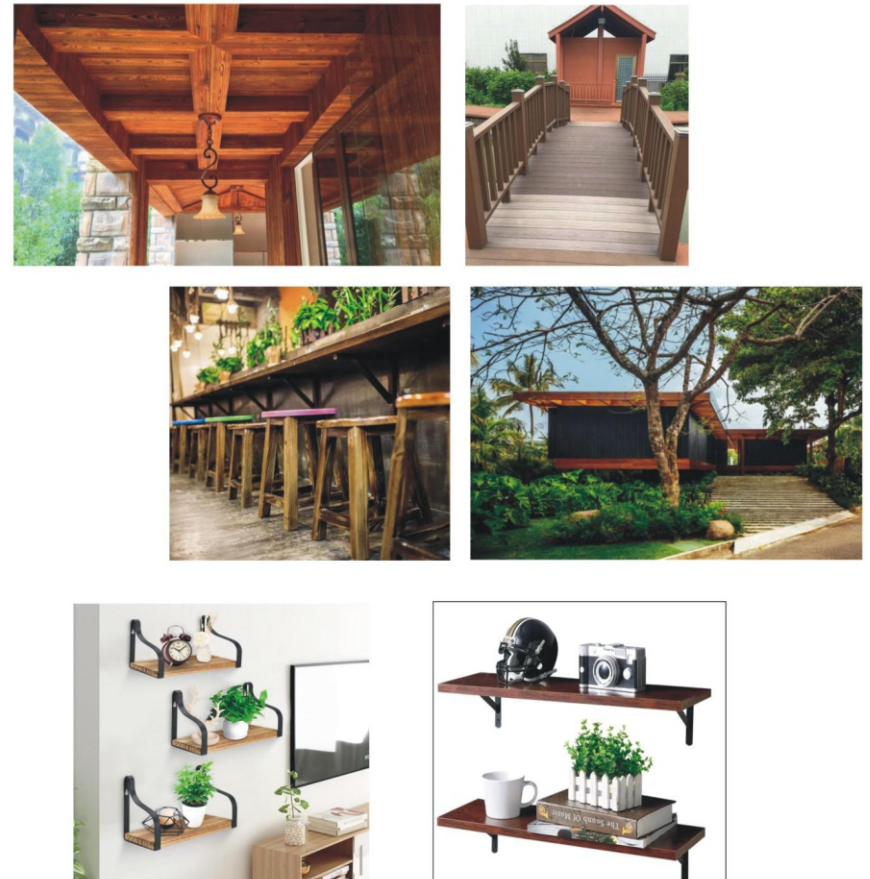
(2) Product Show



(3) Features

- Excellent moisture-proof wood. The treatment was designed to combat the damage to the wood caused by the effects of the wet moisture.
- Texture becomes more clear.
- Feel warm;
- Its processing performance is good, to overcome the product surface fluffy defects.
- Originally, the process entailed burning the outer layer of the wood with the use of fire or through machine heated techniques. By doing so, the external fibers of the wood are forced to react, leaving the wood behind immune to the attack of termites, fungi, and other natural forces for decades.

(4) Application



c. Wooden Wall Panel

Product Name	Wooden Wall Panel
Wood Material	Paulownia, Pine, etc
Color and Finish	Natural Wood Color or Clear varnish coated or waxed or Dyed or Carbonized, etc
Shape	Tongue and Grooves. OEM is accepted
Surface	All sides and edges sanded and polished
Size	Length*Width: 2400*1200mm or produced as requested Thickness: 9/12/15/18/20, etc
Grade Level	AA, AB, BB, etc
Application	House Decoration, Wall Building, etc

Product Show



Advantage and Application

One of the main advantages of wooden panel is that it increases the aesthetic value of your home architecture design. The walls look rich and elegant. Decorative wooden panels such as veneers will display the natural beauty of wood. Wood panel offers a clean and smooth surface.



d. All Kinds Of Customized Wooden Crafts

Our factory is also specialized in the production of all kinds of customized wooden crafts. We could arrange customized production as per your provided drawing design with professional manufacturing technique and working experience.

Product Name	Customized Wooden Crafts
Popular Products	Wooden Box, Wooden Cutting Board, Wooden Pan lid, Wooden Shelf, Wooden Tray, Wooden Chalkboard, Wooden Sole, Massage Slipper, etc
Wood Material	Pine, Paulownia, Birch, Oak, Walnut, Rubber wood, Cedar, Beech, Acacia, MDF, Plywood, etc
Color and Finish	Natural Wood Color or Clear varnish coated or Waxed or Dyed or Carbonized, etc
Shape and Dimension	Strictly Produced as customized
LOGO and Artwork	Laser engraving, hot-stamping, color printing, etc
Certificates	FSC, ISO, SGS, etc. Also Phytosanitary certificate and fumigation certificate could be provided.
Advantage	1, Available raw wood materials produced in our own factory 2, Experienced engineers and workers 3, Advanced production equipment, including CNC machines, engraving machines, etc 4, Large Production Capability ensures quick delivery

Product Show

