

*Master  
Plywood*

# Master Plywood



**CATALOGUE**



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# About

## WHAT IS PLYWOOD?

Plywood is made by combining wood veneers together in order to create a flat sheet. This material is useful with practical applications that include interior, structural, exterior project, furniture, package, industry and also construction.

# Master Plywood

Master Plywood is an industry leading plywood manufacturer and supplier for many years with good quality, trust worthy and reasonable price that established in 2011 and based in Jakarta, Indonesia, that having several warehouse around Jakarta and Tangerang, we manufacture our plywood in Central Java.

We serve all types of customers, both local and international, large and small and also all around the world. We have already exported our plywood to Brunei, Malaysia, Singapore, Korea, Japan, Middle East, American Countries and also Australia. We make sure to deliver our plywoods on time.

We are looking forward to your order and please don't hesitate if you want to know more information about our plywoods.





# Plywood Manufacturing Process

## Log Selection

Log selection is the first step to do by selecting the good log from specified tree wood based on the type of plywood that are going to be manufactured. Later, this selected log is known as peeler. This peeler should be straight and has a certain range of diameter in terms of size and quality.



## Gluing

Once the sheets are dried, then they are glued together. Different type of glue is used based on different type of plywood. Gluing process should be done cautiously to maintain the best result. Typical used glues in Indonesian plywood are urea formaldehyde and phenol formaldehyde



## Layer Formation

The second step in manufacturing process is layer formation. The sheets of veneers are made by using large blade and processing thin layers inside sawmill. The log under blade is placed horizontally to maintain a better result. Simultaneously, the blade is pressed and the layers are cut into several pieces.



## Hot Press

The plywood that has been glued then are sent for baking and pressing at specified temperature and pressure. When all the sheets are loaded, the press squeezes them together. The pressure assures good contact between the layers of veneer, and the heat causes the glue to cure properly for maximum strength. After a period of 2-7 minutes, the press is opened and the sheets are unloaded.



## Exposure to Heat

In order to decrease and remove the water content, the sheets are then exposed to heat. Before the next step can be conducted, the sheets should be in certain point of moisture level.



## Sanding and Finishing

The rough sheets then pass through a set of saws, which trim them to their final width and length. The defects of manufactured plywood sheets are sorted to certain grades. Some sheets are run through a set of circular saw blades, which cut shallow grooves in the face to give the plywood a textured appearance. After a final inspection, any remaining defects such as holes, pits, unfinished edges are repaired.





# Plywood Specification

We offer a range of plywood in a variety of grades and core options, glue types and dimensions.

## 5 Grades of Plywood:

### 1. Packing Grade

- Rough surface,
- Lowest price of plywood,
- Suitable for construction, furniture industry for making crates, cabinets and boxes or packaging.

### 2. Uty Grade

- sanded one side only that's why this grade is not very smooth (only one side is smooth)
- core gaps,
- big patches and discoloration exist in the back
- cheap price
- suitable for construction and packaging.

### 3. Uty Better

- 2 sides sanded
- suitable for furniture

### 4. Overlay (OVL)

- OVL almost no defect allowed on the face or minor defects,
- no core lap and uneven core thickness is allowed,
- all core veneer components must be machine spliced, the best grade of plywood that conforms to the IHPA.

### 5. BB/CC

- our best quality of plywood too, but BB/CC grade may have small imperfections that are filled and sanded,
- 2 sides sanded well
- suitable for your every needs.

### Timber Species ( Core)

1. Albasia Falcata
2. Mix Light Hardwood (MLH)
3. Full Hardwood

### Glue Types:

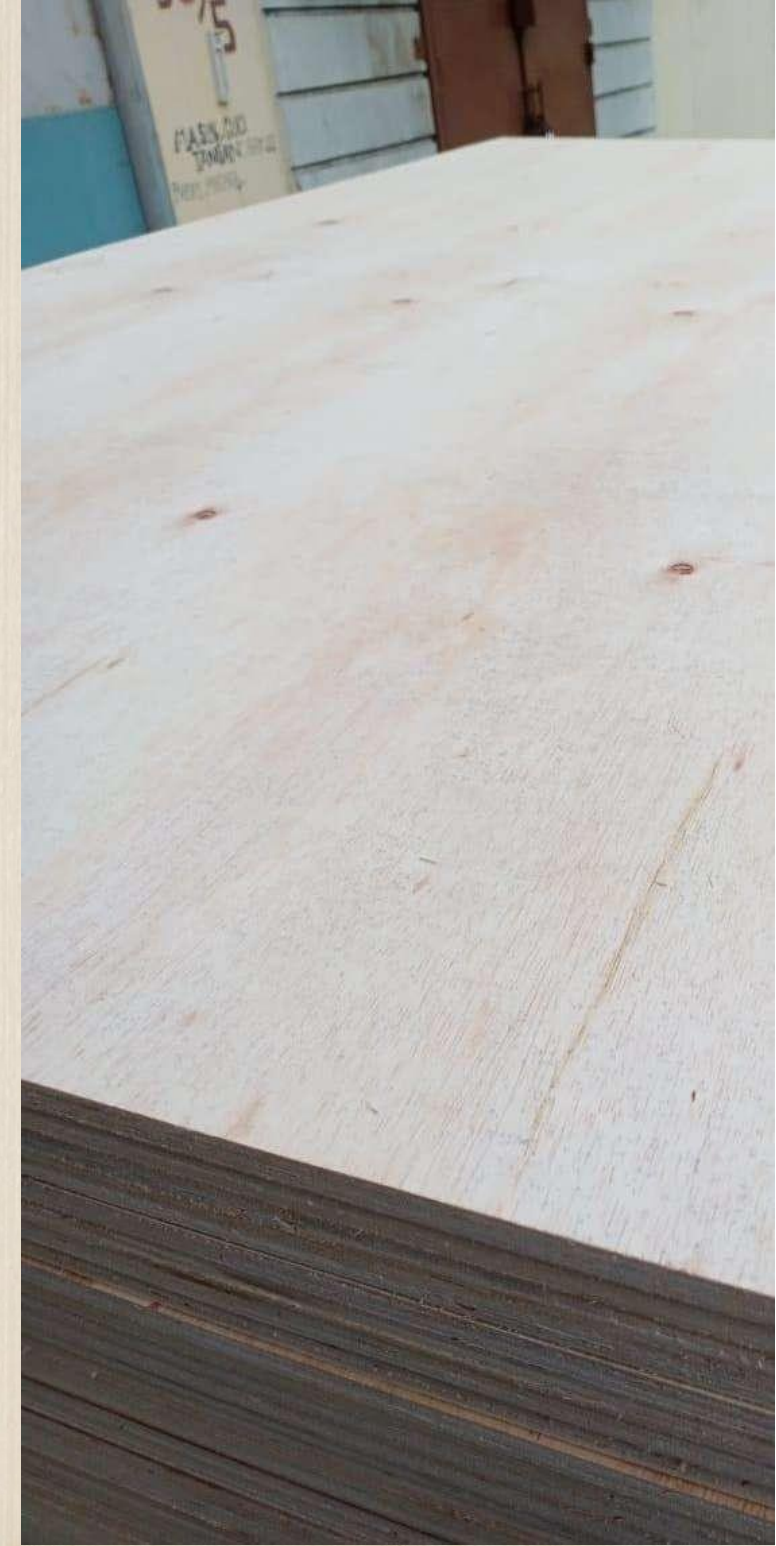
- E1
- E2
- MR
- WBP

### Thickness Size of Our Plywood :

- 2.5 mm
- 3 mm
- 4 mm
- 5mm
- 6mm
- 7mm
- 8mm
- 9mm
- 12mm
- 15mm
- 18mm
- 21mm
- 25mm

### The most common size for plywood is :

- 8x4 ft (2440 mmx1220mm)
- 6x3 ft (1820mmx910mm)





# Our Mainly Products:

- General/Construction Plywood
- Hardwood Plywood (Mixed-Light Hardwoods/MLH)
- Softwood Plywood (Albasia Falcata)
- Film-face Plywood (Phenolic)
- Melamine
- Medium Density Fibreboard (MDF)
- High Moisture Resistant (HMR) Board
- Blockboard
- Fancy Plywood





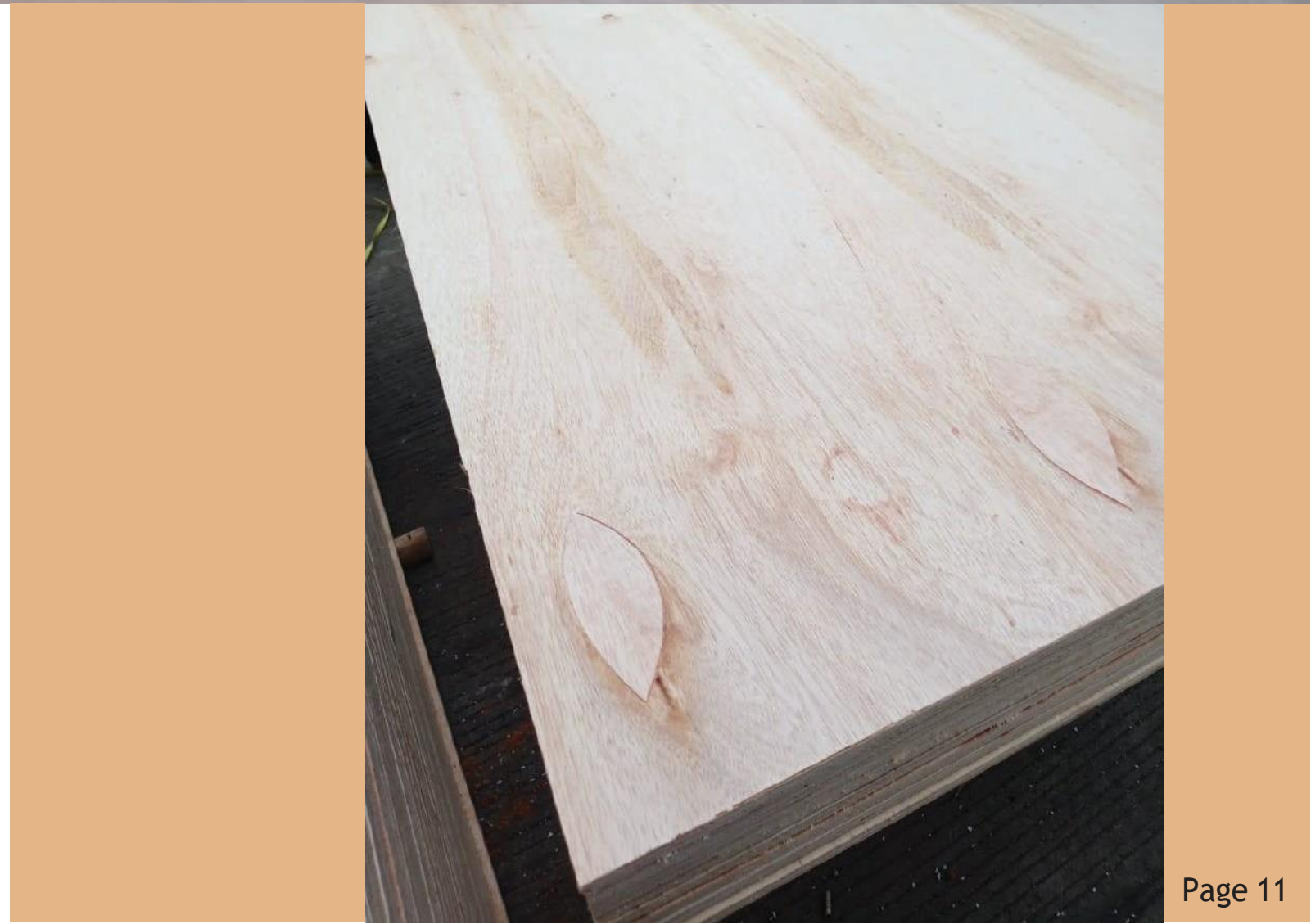


# General/Construction Plywood

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## Characteristics:

- Smoother surface
- Non structural (for flooring)
- Suitable for construction demand







## Hardwood Plywood (Mixed-Light Hardwoods/MLH)

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### Characteristics:

- Red-brown color
- Light weight hardwood
- Mixed with wood fibre, stronger than Falcata, affordable price
- Suitable for industrial or house construction demand (roof).







## Softwood Plywood (Albasia Falcata)

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### Characteristics:

- White color
- Lightweight
- Smoother surface
- Visually pleasing







## Film-Face Plywood (Phenolic)

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### Characteristics:

- Coated with Phenolic Resin
- Black Color
- Waterproof
- Suitable for construction and bekisting







# Melamine Single Face / Double Face

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## Characteristics:

- Covered in a hard-wearing melamine impregnated paper film (smooth, white melamine color).
- Melamine faced plywoods are tough, water proof and scratch resistant.
- Suitable for furniture, kitchens toys manufactures and installations such as shopfitting, exhibitions displays, workshops and vehicle conversions.







# Medium Density Fibreboard (MDF)

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## Characteristics:

- Brown color
- Typically made up of 82% wood fibre, 9% urea-formaldehyde resin glue, 8% water, and 1 % paraffin wax
- MDF is smooth on both sides, poor moisture resistance
- Suitable for interior and wood panel product







## High Moisture Resistant (HMR Board)

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Characteristics:

- Green color
- Water resistance
- Suitable for kitchenset or bathroom







# Blockboard

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## Characteristics:

- Blockboard is made up of softwood strips and veneers (strips of softwood glued together and faced with veneers)
- Two types of Blockboard: MLH Blockboard and Melamine Blockboard (Blockmine)
- MLH Blockboard is more durable and it does not split easily, suitable for furniture
- Blockmine is blockboard that covered with melamine, and suitable for interior or exterior design





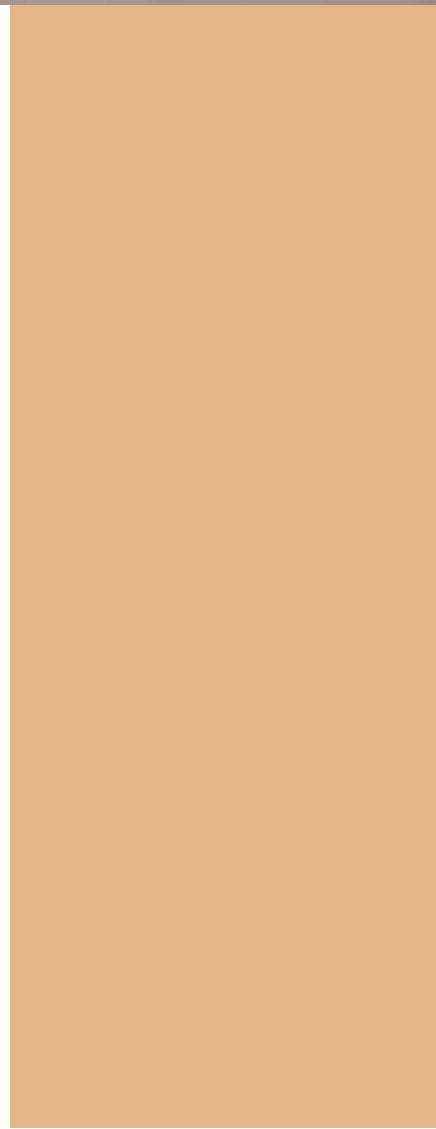


# Fancy Plywood

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## Characteristics:

- Commonly described as decorative plywoods
- The plywoods are glued with good looking veneers which produced by premium hardwood through slice cutting process or half roray cutting
- Suitable for furniture and interior design demand





# OUR FACTORY AND WAREHOUSE :





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