

Materials



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Manufactured Boards

Manufactured boards are timber sheets which are produced by gluing wood layers or wood fibres together. Manufactured boards often made use of waste wood materials. Manufactured boards have been developed mainly for industrial production as they can be made in very large sheets of consistent quality. Boards are available in many thicknesses.



Plywood



Blockboard

Manufactured Board properties:

- Manufactured boards often made use of waste wood materials.
- Saw dust is used to make MDF and hardboard.
- The saw dust is held together with glue.
- Boards are inexpensive so are often used as instead of real woods.
- Manufactured boards do however do not look as good as real woods look.
- Manufactured boards are often covered with a thin layer of real wood which is called veneer this improves their appearance.

Manufactured board types	Grain image	Board Uses	Example product
MDF - Smooth, even surface. Easily machined and painted or stained. Also available in water and fire resistant forms. A manufactured board.		Used mainly for furniture and interior panelling due to its easy machining qualities. Often veneered or painted.	
Plywood - A very strong board which is constructed of layers of veneer or piles which are glued at 90 degrees to each other. Interior and exterior grades are available. A man-made board.		Used for strong structural panelling board used in building construction. Furniture making. Some grades used for boat building and exterior work.	
Chipboard - Made from chips of wood glued together. Usually veneered or covered in plastic laminate. A man-made board.		Used for kitchen and bedroom furniture usually veneered or covered with a plastic laminated. Shelving and general DIY work.	
Blockboard - Similar to plywood but the central layer is made from strips of timber. Good for shelves and worktops. A man-made board.		Used where heavier structures are needed. Common for shelving and worktops.	

Useful web links



The wood picker site

Use the Wood Picker to identify between woods, enter your criteria to find the most suitable wood.

[View the wood picker page >>](#)

BBC Bitesize

Revise more about timbers at the BBC bitesize site.

[View the bitesize timbers page >>](#)

Hardboard - A very cheap particle board which sometimes has a laminated plastic surface.



Used for furniture backs, covering curved structures, door panels.



Memory tip: Remember SLIM CHIMP!

S- Squashed
L- Layers
I- Industrial
M- Manmade

C- Chipboard
H- Hardboard
I- Inexpensive
M- MDF
P - Plywood



Quiz time!

Mr DT says 'Read the text above and then answer these questions below'. Write your answers on a sheet of paper, dont forget to write your name on the sheet!:-

- 1.) Note down the manufactured board properties in your own words?
- 2.) What are manufactured boards made from?
- 3.) How are manufactured boards made to look better?
- 4.) How is chipboard made?
- 5.) What is hardboard used for?
- 6.) What manufactured board is used for kitchens?
- 7.) What manufactured board is used for structural panelling?
- 8.) Why is blockboard good for shelves?



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