

SMART WOOD

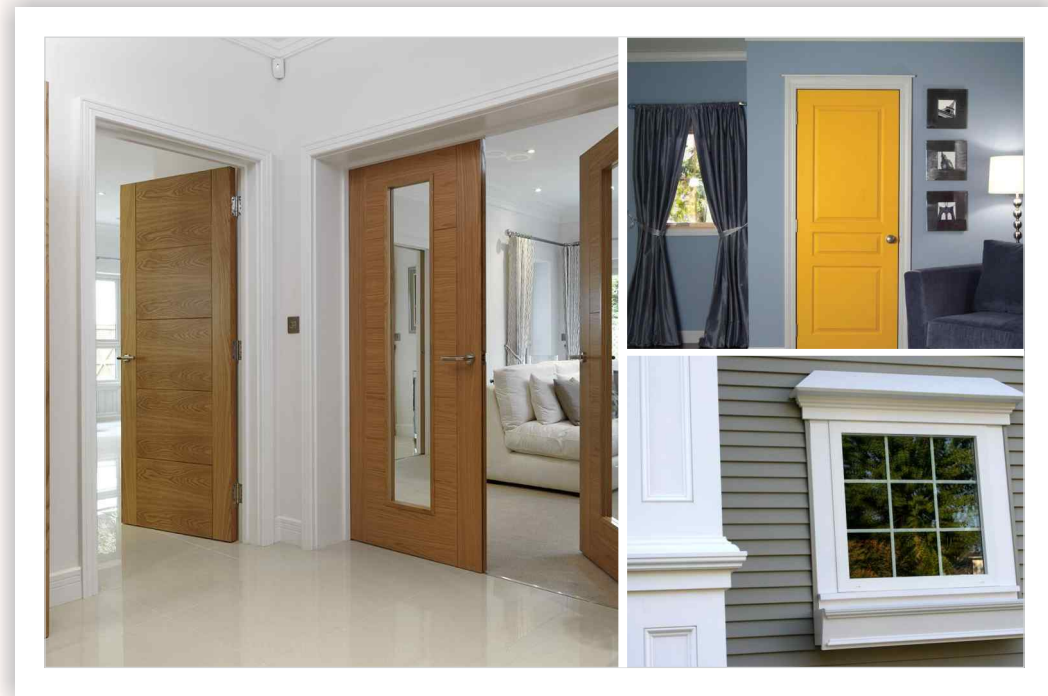




LIBERO SMART WOOD **DOORS & WINDOWS**

DOORS
and
DOOR
FRAMES

WINDOWS
and
WINDOW
FRAMES



Libero Doors & Windows frames are **available in ready sizes, with shades of Brown.**

Libero Smart Frames have unique advantages over others. They are eco-friendly, water-proof, termite-proof, fire retradant, economical, do not wrap and can be polished or coloured without any hassles.



LIBERO SMART WOOD **BOARDS**

WHITE BOARD

White board can be used as it is and it give a great finish so can be used directly, or can be laminated or veneer can be tased on it. This again is great for bathroom, kitchens and cupboards as its termite and borer proof, water and weather proof, non flammable (self extinguishing) and fire resistant.



Available in 8 x 4 ft. size
in a Thickness range
of 5mm - 20 mm

Available in various
Colors and Designs





COMPARING SOFT WOOD AND LIBERO SMART WOOD



	SMART WOOD	LUMBER
Sturdier Core	✓	X
Recyclable Material	✓	X
Stronger Impact Resistance	✓	X
Low Water Absorption	✓	X
Mould Resistance	✓	X
Stain Resistance	✓	X
Rot and Splinter Free	✓	X
Easy to Cut, route & fasten	✓	X
Easier Installation	✓	X
High Insulation properties	✓	✓
Aesthetic Value	✓	✓
Ready to Use	✓	X
Termite Resistance	✓	X
Easier to Clean	✓	X
Easier Lamination	✓	✓
Good Printability	✓	X



WPC A GREAT MATERIAL FOR **DOOR FRAMES**

In WPC (Wood Polymer Composite), polymers are reinforced by adding wood powder and fibers that are discharged from mills and factories as agriculture residues. Because of the high cellulose content, WPC, assumes many of the same characteristics of wood.

Key properties, similar to or better than wood are:

- Can be subjected to the same processes as wood including planing, drilling and sanding.
- Nails, screws and other fasteners often achieve greater hold when used with WPC than with lumber.
- Offers superior water resistance when compared to wood, with minimal expansion.
- WPC's water resistance also helps to prevent decay.
- Ability of WPC to perform in high temperature environments is also better than that of wood.

Libero Recommendations

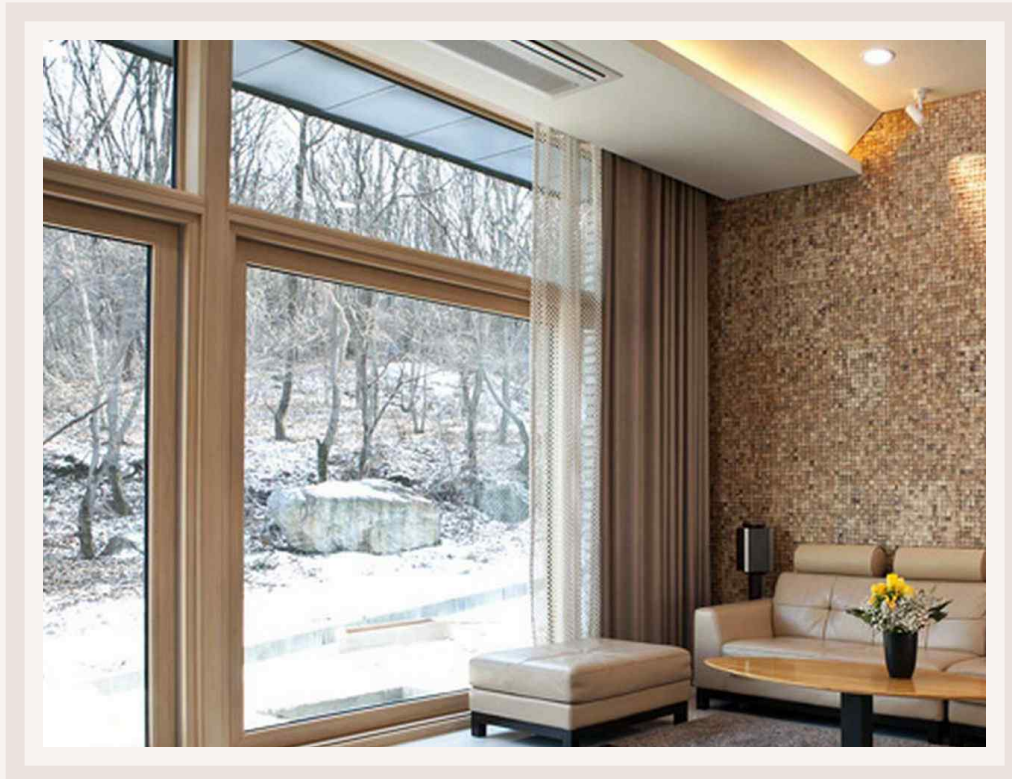
- Tool:** WPC door frames are an easy-to-work on product. They can be cut, drilled and screwed like normal wood-based boards. And all these processes can be done with standard, conventional carpenter tool.
- Screwing:** Advisable to use screws, nailing is not recommended.
- Finishing:** Can be sanded, painted and polished just like wood.
- Storage:** Recommended way of stacking is horizontal placement.

Finished cross sections	Rebate size of WPC frames
75 X 45	30
75 X 50	30
90 X 50	32
100 X 50	32
100 X 65	33
115 X 55	34
125 X 65	34
140 X 55	34

Double door or window frames available as per order in any of the sizes.



ADVANTAGES OF WPC FRAMES OVER WOODEN FRAMES



Properties	Wpc Frames	Wooden Frames
Termite/Borer	N	Y
Water Proof	Y	N
Weather Resistance	Y	N
Split Resistance	Y	N
Green Product	Y	N
Installtion Time	Fast	Slow
Installation	Easy	Difficult
Ready to Use	Y	N
Polishing	1-2 Coats	3-4 Coats
Labour Cost	Low	High
Seasoning	N	Y
Chemaical Treatment	N	Y
Rot and Fungal	Free	Possible
Density (kg/m³)	850	Burma Teak: 700-800 Dark Red Meranti: 800-900 Malaysian Salwood: 850-950



WPC FRAMES



PRODUCT FEATURES



Termite and
Borer Resistant



Water
Resistant



Bend and
Warp Resistant



Weather Proof



Ready to use



Environment
Friendly



Distortion
Resistant



Bacteria and
Fungus Proof



Split
Resistant



Paint/Polish
Ready



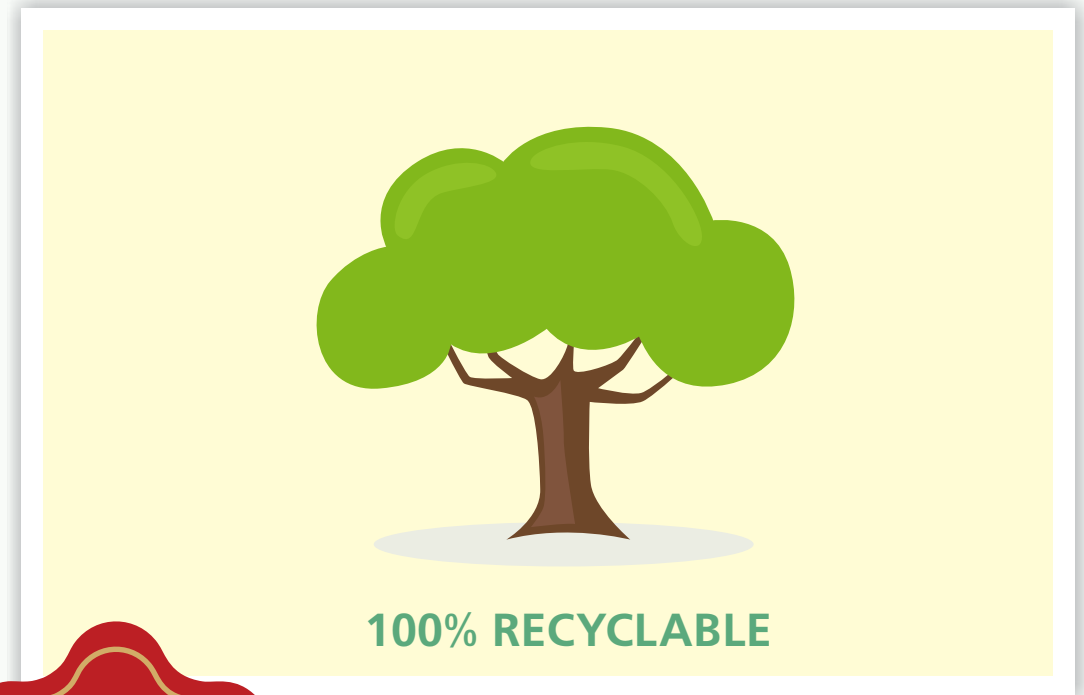
Swell
Resistant



SAVE NATURE and MAKE MONEY

Give us back your wasted
LIBERO SMART WOOD products
or PVC Foam and WPC scrap
and We shall pay you
for the same!

Any use or wastage of
LIBERO SMART WOOD products
We shall pay you for the same!





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