

Canadian Wood doors – make a great first impression at home or office with beautiful doors!



Solid wooden door made of Western hemlock



Large entrance door, with carving, made of Yellow cedar



Main entrance door made of Yellow cedar

Why B.C., species are favourite with door manufacturers:

- Canadian wood species are durable and provide excellent dimensional stability.
- They have a low T/R (tangential to radial shrinkage ratio), making them less prone to shrinking and swelling when in use.
- All four wood species have low to moderate density values, hence easy to face laminate, edge glue and/or finger joint, thereby allowing manufacturing of warp-free engineered large or small cross-sectional door elements.
- They can be coated or painted to a clear finish adding elegance to the overall home or office décor.
- Variety of door applications:
 - Interior, exterior, commercial, pre-hung or panoramic doors
 - Door frames and door jambs
 - FJEG (Finger Jointed Edged Glued) door frames
- All Canadian wood species are legally sourced from sustainably managed forests of B.C., Canada, are certified (FSC and/or PEFC), ready-to-use, seasoned and available through a pan India network of stockists.

The door defines the character and the personality of a space. Be it home or office. A door is the first thing visitors encounter when they enter the premises. A door's look and decor can decide the kind of welcome one wishes to give their visitors. And architects and designers today are focusing a lot on creating that first impression. Also, the entrance door represents the overall style of any design.



Yellow cedar door and door frame

Today, the entrance door design has reached a level where it acts as a unique design element. Designers are experimenting a lot with materials and exploring varied design techniques. The door design represents a creative execution of a finely crafted design solution, combining material and colour palette. And nothing can beat the classic look and design of a wooden door. For the main entrance and interior doors, the options in wood are endless.



Entrance door made of Douglas-fir

Performance and appearance of the wood is of prime importance to door manufacturers. And wood from sustainably managed forests of British Columbia (B.C.) is an ideal choice for solid wood and flush doors. Four B. C. species namely, Western red cedar, Yellow cedar, Douglas-fir and Western hemlock meet the demands of discerning customers as well as manufacturers in India and are well suited for interior and exterior doors.

Western red cedar, Yellow cedar are durable species and are well suited for external doors. Whereas Western hemlock and Douglas-fir are ideal for interior doors.

Each species has some unique properties, giving manufacturers a choice for door applications:

- Western hemlock is known for its tight grain and is a stable species. As a result, it reduces chance of warping and allows for superior coating and ultimately better performance. It planes, shapes, and sands to a lustrous finish. It's a good choice for internal doors.
- Yellow cedar is known for its exceptional working properties and can be easily machined and finished. It has an even texture, turns, planes and shapes well and can be sanded to a smooth finish. It is also one of the most durable woods with exceptional longevity. Hence it is used for external doors and for carving work.
- Douglas-fir has excellent strength, workability, and screw and nail holding properties, which makes this species ideal for solid doors and door frames.

Why wood is an ideal material for manufacturing doors?

- Wood because of its natural composition, is a poor conductor of heat, acting as an effective insulator.
- In winter, it does not allow warm air to escape the space. In summer it keeps the indoor environment comfortable by not allowing outside harsh heat to enter the space.
- Provides adequate sound proofing.
- Western red cedar has exceptional working properties like natural resistance to termite, rot and decay making it an ideal choice for exterior doors, which are exposed to external harsh climate.



Beautifully carved solid wooden door made of Western red cedar



Yellow cedar sliding door



Yellow cedar door frames

Canadian wood FJEG – a promising raw material for the door industry

- Promotion of FJEG (Finger Jointed Edged Glued) boards is a way of adding value to door manufacturing by Canadian Wood.
- FJEG boards made with western hemlock are engineered wood products designed to maximize the natural strength and characteristics of wood. These products are dimensionally stable, offer great structural strength and at the same time work as sustainable and cost-effective solutions too.
- FJEG boards help quicker conversion to final products while also easing the twin challenge of size and the knots on wood.
- The evolving consciousness of the end-users and wood working professionals around use of timber that is sustainably sourced further acts as a pull towards legally harvested Canadian wood species.
- Many trials of Western hemlock FJEG boards for door frames have been successfully conducted. Canadian Wood offers technical support and handholding for its partners.



Why Western hemlock for FJEG boards

The use of Western hemlock for making FJEG boards has been well received by the furniture industry particularly door jambs and frame manufacturers because of the following key reasons:

- Western hemlock FJEG boards eliminate natural defects that are present in lumber, thereby giving a clean, knot-free appearance to door jambs.
- Attractive and pleasant natural colour.
- Can be polished or stained to any desired colour.
- Excellent boring, carving, gluing and machining properties with fine smooth surface and finish.



STAY TUNED

Yet another value-added webinar to be announced in February 2022.