

BRENLO TIMES

The Interior Door

The differences in manufacturing the 3 most common types of interior doors: solid core, hollow core, & solid wood

Welcome to the latest edition of our newsletter, where we dive into the world of doors and explore the nuances between solid core and hollow core doors. We'll unravel the mystery of door construction, shedding light on the fascinating realms of materials, designs, and functionality helping you make an informed decision for your specific needs.



**THIS MONTH'S
FEATURED
EMPLOYEE**

Eric McCathie

Solid Core

Solid core doors are constructed with a dense, sturdy core material, often a composite wood product or particleboard. This core is then encased in a layer of wood veneer or another finish. The result is enhanced durability, better sound insulation, and a substantial feel.

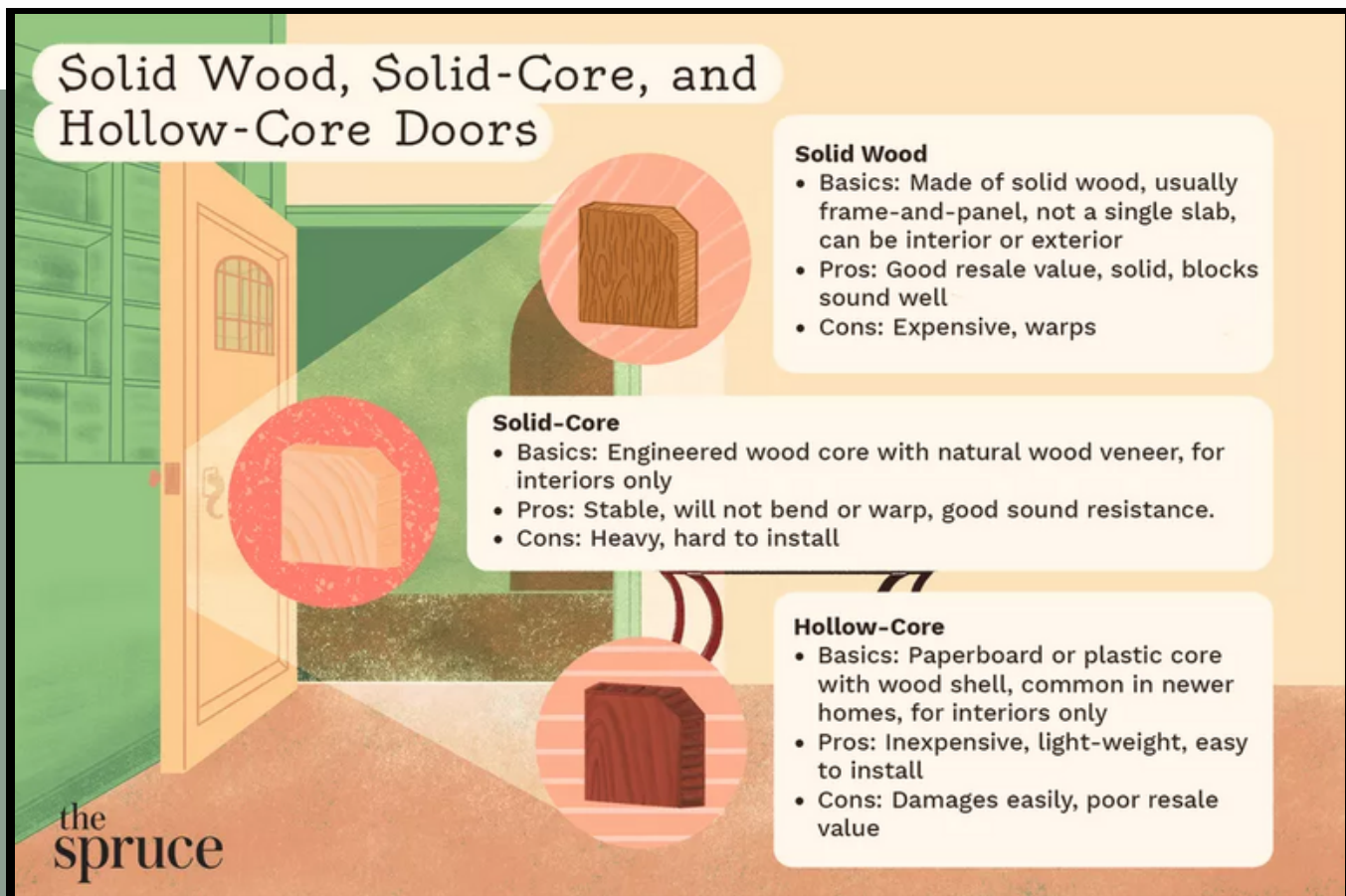
Hollow Core

These doors feature a honeycomb-like core made of cardboard or plastic surrounded by a thin layer of wood product based veneer. While they might lack the heft of solid core doors, they are much more cost-effective.

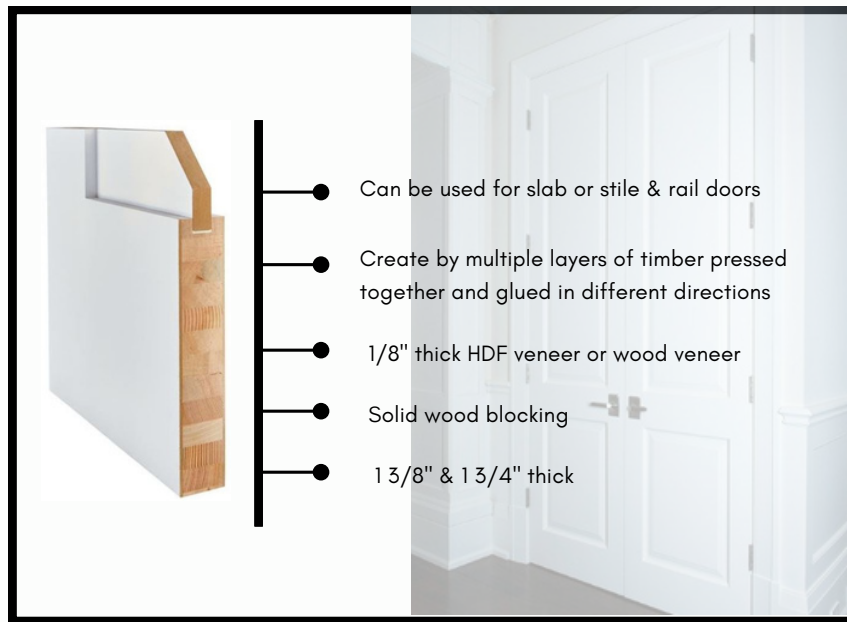
Solid Wood

Doors made of solid wood are known for their durability, timeless aesthetic appeal, and natural beauty. While solid wood doors are durable, they may require more maintenance than doors made from other materials. This applies mostly to exterior doors.

Regular sealing or finishing is recommended to protect all wood doors from moisture, insects, and other environmental factors. Solid wood doors, if not properly maintained are less stable and susceptible to warping.



New Construction Methods

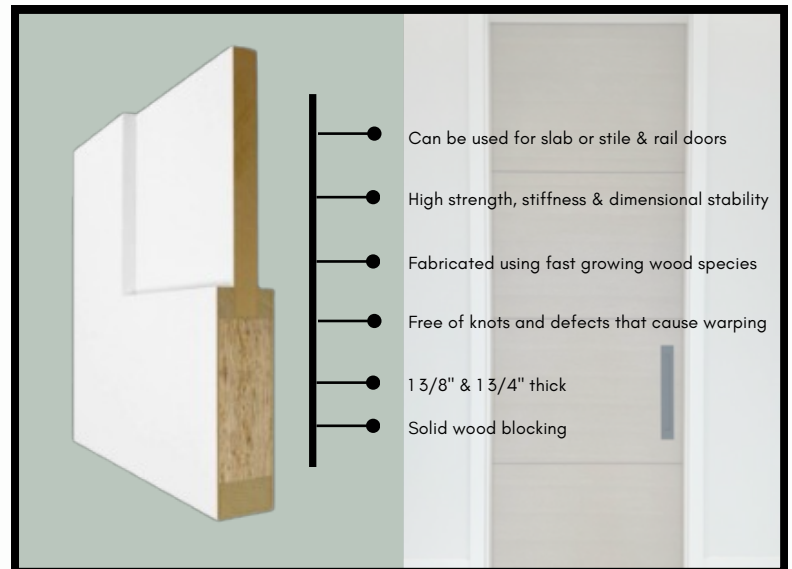


Engineered Core Construction

Engineered cores are a more modern approach to door construction. Multiple layers of timber are pressed and glued together in different grain directions to form the core material, with a veneer applied to the surface and edges fixed to the sides.

LSL Construction

Laminated Strand Lumber (LSL) is one of the more recent structural composite lumber (SCL) products to come into widespread use. LSL provides attributes such as high strength, high stiffness and dimensional stability. It is considered the number one choice to achieve architectural stability.



The manufacturing process of LSL enables large members to be made from relatively small trees, providing efficient utilization of forest resources. LSL is commonly fabricated using fast growing wood species such as Poplar. When used in door cores, it ensures longevity and resistance to warping or twisting, as long as you prime or seal all six sides of the door

Slab Doors



Slab doors are characterized by a single, uninterrupted surface without any embellishments or paneling. This simplicity is their hallmark, creating a versatile foundation for various design styles.

Slab doors can be crafted from a variety of materials, including engineered wood, LSL core options. They provide stability and resistance to warping, making it an excellent choice for contemporary living spaces.

The absence of intricate details and paneling gives slab doors a clean, contemporary look. This design simplicity makes them ideal for modern and minimalist interiors, allowing other design elements to take center stage, such as applied mouldings.

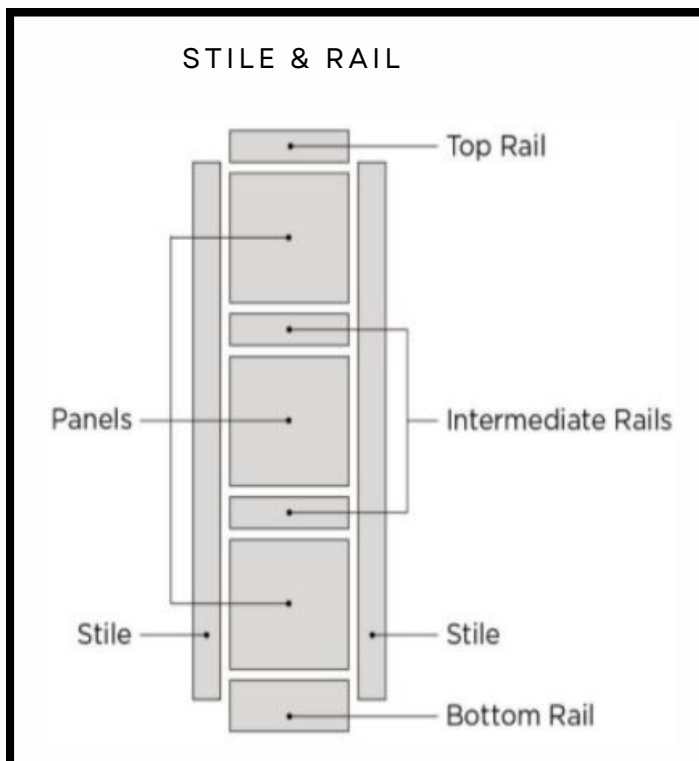
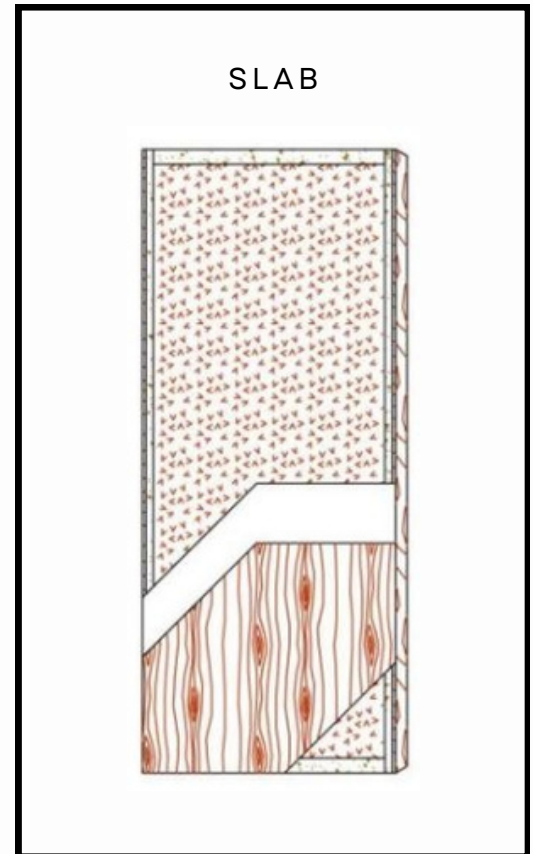
Depending on your preferences and requirements, slab doors can be crafted with either a solid or hollow core. Solid core doors offer enhanced durability and sound insulation, while hollow core doors are lightweight and cost-effective.

Slab doors often feature veneers, which are thin layers of wood applied to the surface. These veneers can mimic the appearance of various wood species, adding visual interest. Finishes range from matte to high gloss, allowing for a spectrum of design possibilities.

Door Anatomy

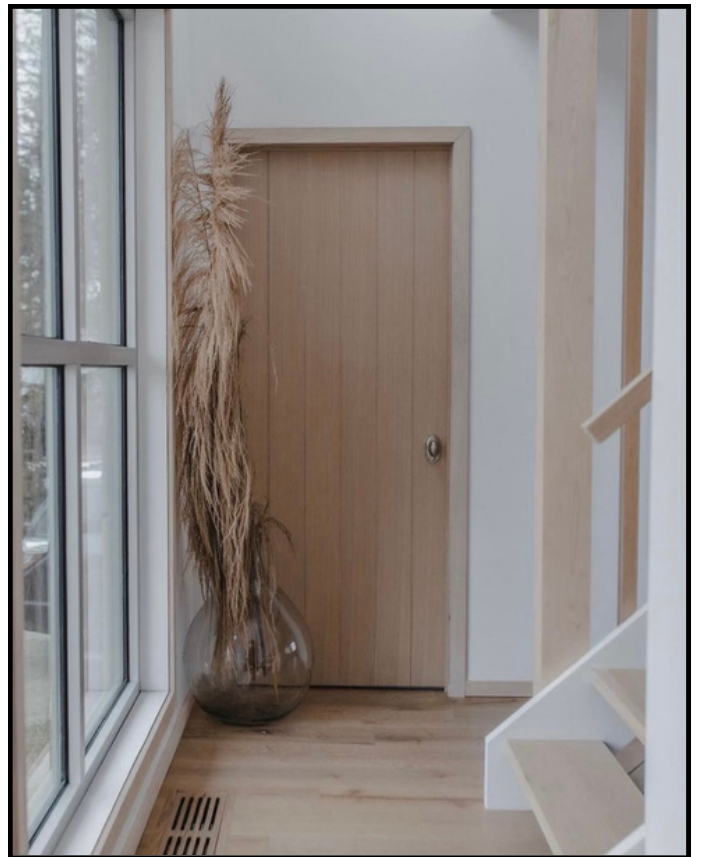
Solid wood doors often feature a stile and rail construction. Stiles are the vertical components, while rails are the horizontal ones. This method not only enhances the door's strength but also allows for beautiful panel configurations.

Raised or Flat Panels: Solid core doors commonly come with panels, either raised or flat. Raised panels provide dimension and depth, adding a touch of classic elegance. Flat panels, on the other hand, offer a sleek and modern aesthetic.



Mortise-and-tenon and dowel construction are staples in solid wood door construction. These techniques involve interlocking joints that contribute to the door's stability and longevity, showcasing the artisan's dedication to quality.

The finishing touches are crucial. Artisans carefully sand, stain, and finish each door to bring out the natural beauty of the wood. Hand-finishing ensures a unique character, emphasizing the distinct grain patterns and tones inherent in solid wood.



At Brenlo, we manufacture and sell Solid Core Stile and Rail doors such as shakers & raised panel doors. We can customize based on design and stock 1 & 2 panel shakers, 2 & 3 panel raised panel doors and Slabs using both an LSL & Engineered Core. See our Website Catalog for photos and CADs! www.brenlo.com/catalogue/

Care

To properly care for your door, it's important to always seal/prime all six sides of the door right away. It's also key to ensure that humidity (especially with Ontario's climate) is between 45% and 55%. These maintenance tasks are imperative to prevent warping, cracks and separation in the wood.

Humidity refers to the amount of moisture in the air, and it can have a significant impact on wood because wood naturally expands and contracts in response to changes in moisture content.

When the humidity level is high, the wood in a door can absorb moisture from the air, causing it to expand. This can result in the door becoming slightly larger than its frame, making it difficult to close or open. In severe cases, the door may even become stuck in the frame.

Conversely, when the humidity level is low, the moisture content in the wood decreases, causing it to shrink. This can lead to cracks forming in the wood, particularly around knots or other imperfections. These cracks can be unsightly and can also affect the structural integrity of the door.



FEATURED EMPLOYEE

ERIC
MCCATHIE



Our featured employee of the month is Eric McCathie! He has recently transitioned to being on the road as a member of our Outside Sales team. Eric has 12 years of experience in the construction industry, working in various sectors such as lumber, kitchen, masonry, and stucco. The foundation of his sales approach is honesty. He aims to be a trusted advisor to his clients, helping them move their projects forward seamlessly.

Outside of Brenlo, Eric has a wide array of hobbies and interests such as golfing, hunting, fishing, camping, photography, etc. However, nothing rivals his passion for motorsport. You can find him attending private track events, racing in competitive karting leagues and seeking out other enthusiasts at meet ups.

Showroom

65 Worcester Road, Toronto, ON M9W
5N7

P: 416-749-6857

E: frogboard@brenlo.ca

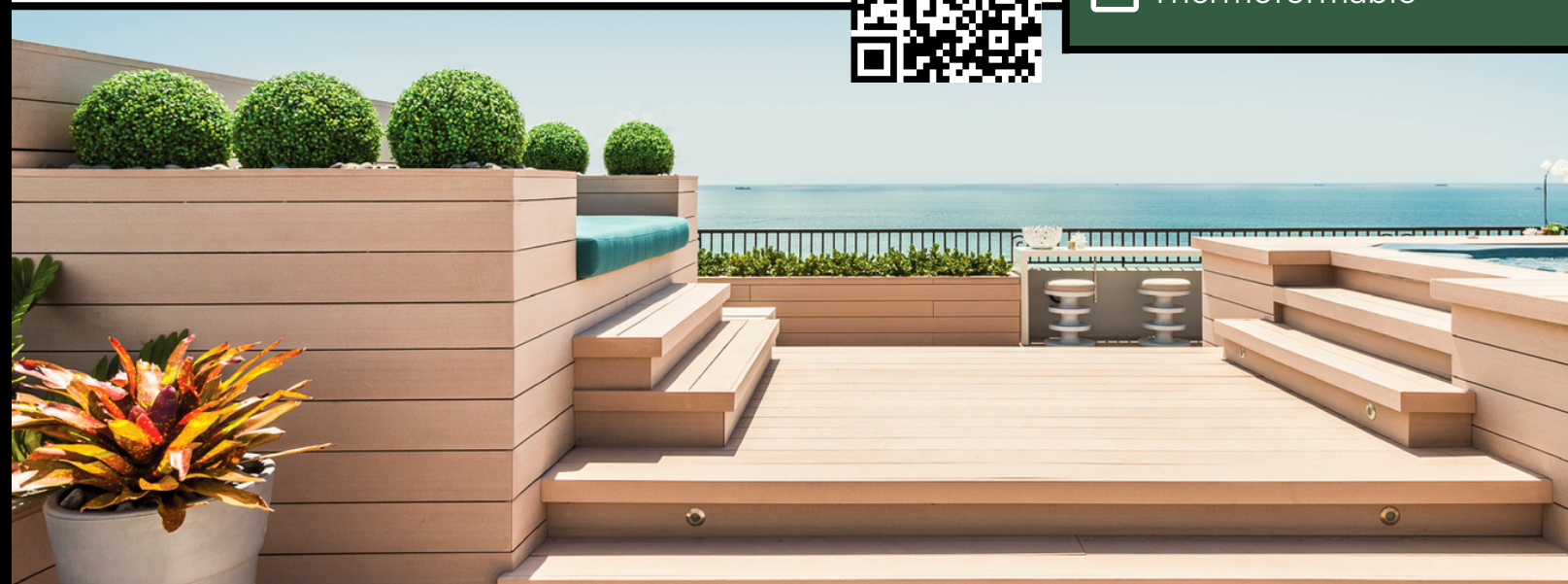


STEPPING INTO A NEW ERA FROGBOARD

a revolutionary product made up of upcycled rice hulls, making it durable, strong, water-resistant, sustainable, and indistinguishable from natural wood. Built for interior and exterior applications, Frogboard can be used in a range of applications.

FROGBOARD is **easy to handle and install**. It can be effortlessly processed with standard woodworking tools and accepts screws and nails readily with a flush finish. With its **thermoformable** quality, it is a perfect fit for curved applications.

- ✓ Limited Lifetime Warranty
- ✓ Water-Resistant
- ✓ Stain, Paint or Prime
- ✓ Wide range of Usage
- ✓ Sustainable
- ✓ Thermoformable



CLICK TO LEARN MORE ABOUT US!

BRENLO Brenlo Ltd - Corporate Video | Custom wood doors and mouldings

GET THE BEST CUSTOM MOULDINGS DOORS

30+ YEARS

WATCH NOW

BRENLO
CUSTOM WOOD MOULDINGS & DOORS

Watch on  YouTube



STAY CONNECTED



WWW.BRENLO.COM

Hours of Operation

7.30am - 4.30pm - Monday to Friday

Showroom

65 Worcester Rd, Etobicoke, ON M9W 5N7

Open to Public

Next Day Delivery

Available for orders over \$350

Any material under \$350 will need to be picked up or arranged through a delivery service TOOLBX

Order desk & Pick up

Same-day pick-up is now available.

Reach us

Phone : +1 (416) 749-6857

Email : sales@brenlo.ca

For Frogboard : frogboard@brenlo.ca