



Product Specification: Solid Core Wood Doors - Boreal Timberline Pro Wood Door Collection

1.0 General Description

The Timberline Series solid core wood doors are expertly crafted for durability and aesthetic appeal in commercial environments. These doors are constructed to meet CAN/CSA-0132.2.1-90 and AAMA/WDMA/CSA 101/I.S.2/A440-2022 standards, delivering a robust, factory-finished product suitable for high-traffic applications that require non-fire-rated, heavy-duty doors.

2.0 Core Construction

2.1 Standard Core Material (Non-Fire-Rated)

- Type: Solid particleboard core, conforming to **CSA Standard 0188** and **AAMA/WDMA/CSA 101/I.S.2/A440-2022** standards.
- Density: 28-32 pounds per square foot (psf) for structural stability and sound attenuation.

2.2 Fire-Rated Core Material

- Type: Fire-resistant mineral or fire-rated particleboard core designed to meet **CAN/ULC S104** fire-resistance standards.
- Fire Ratings: Available in 20, 45, 60, and 90-minute options.
- Density: Meets industry standards for fire-rated cores, providing enhanced structural stability and resistance to heat.

2.2 Crossband

- **Material:** 3mm (1/8") hardwood veneer for enhanced durability and dimensional stability.
-

3.0 Finishes and Components

3.1 Face Veneer

- **Material:** Variety of Wood Veneers and Species Available upon request



- **Finish:** Factory-applied finish selected from a standard range of finishes available for approval by the client.

3.2 Adhesive

- **Type:** Type 1 PVA Cross-link adhesive (NAUF, No Added Urea Formaldehyde) for environmentally compliant bonding.

3.3 Edge Components

- **Stiles:** Combined stile of 112.7 mm (4 7/16"), Inclusive of 3.5" Laminated Strand Lumber (LSL) core, overlaid with 23.8 mm (15/16") hardwood edges for added strength and durability. This combination provides superior stability and support for hardware attachments, ensuring long-term performance in high-traffic areas.
- **Top and Bottom Rails:** 6 inches (152.4mm) hardwood rails, adding structural integrity and resistance to wear and warping.

3.4 Lock Block

- **Integrated:** A lock block is embedded to facilitate secure hardware attachment and enhance door stability.

4.0 Compliance and Quality Assurance

4.1 Quality Standards

- Each door is manufactured to meet the requirements of **AAMA/WDMA/CSA 101/I.S.2/A440 (NAFS)** for durability, structural integrity, and energy efficiency. All materials comply with **CAN/CSA-0188** for particleboard density and stability, ensuring high performance in commercial applications. For fire-rated doors, additional compliance with **CAN/ULC S104** and **NFPA 80** is required, providing options for 20, 45, 60, or 90-minute fire ratings.

4.2 Customization

- Our doors are available with various veneer options, edge styles, and factory finishes to meet specific project and aesthetic requirements. All factory-applied finishes are designed for longevity and are compatible with high-performance applications, maintaining both visual integrity and durability across installations.



4.3 Lifetime Warranty

- Each door is backed by a **Lifetime Warranty** against manufacturing defects, covering structural integrity and core material quality under normal use. This warranty provides assurance of our commitment to quality and long-term performance, offering clients peace of mind for the lifetime of the product. Subject to terms and conditions.

5.0 Ontario & Toronto-Based Manufacturing

- **Locally Made:** Boreal Timberline Wood Doors are proudly manufactured in Ontario, specifically in Toronto, using regionally sourced materials and employing skilled local craftsmen. This approach not only supports the local economy but also aligns with environmental sustainability practices by reducing transportation emissions.
- **Sustainability:** Our Toronto-based manufacturing facility adheres to strict environmental guidelines, ensuring that products meet both **Ontario Building Code** requirements and industry standards for sustainable production, including reduced waste and energy-efficient processes.
- **Customization and Client Access:** Being locally based, we provide clients across Ontario with easy access to customizations, consultations, and timely support. Clients are welcome to visit our Toronto facility to explore material options, finishes, and hardware solutions that meet specific project needs.