

Flush Wood Doors

Flush Wood Doors or Flat Surface Doors consist of multiple components such as the core, stiles, rails, and then covered with seamless face veneers. Optional crossbanding can also be used depending on the door construction.



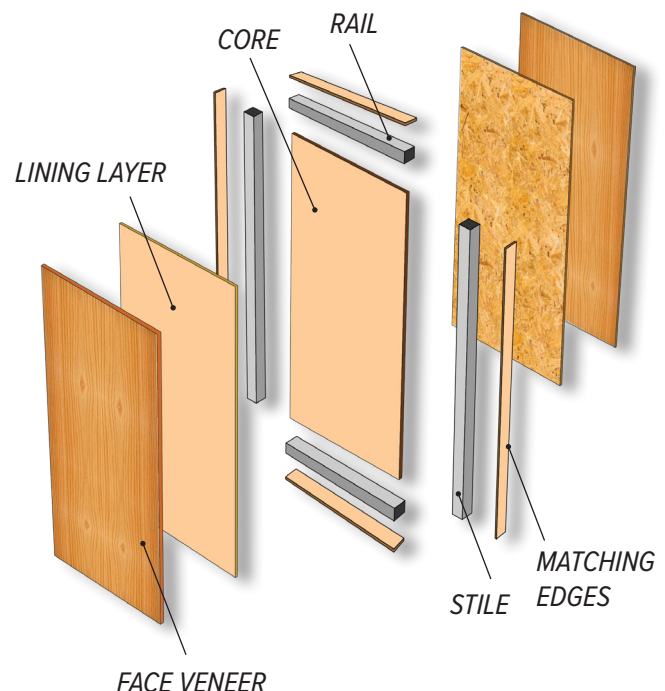
Specifications:

- ◇ 5-Ply Construction
- ◇ In-stock veneers available for immediate shipment
- ◇ Custom veneers also available with factory lead time
- ◇ Matching hardwood edges
- ◇ Face veneer 1/50" minimum thickness
- ◇ WDMA/AWS Custom Grade as standard
- ◇ **Intertek & UL Listed; Meets Positive-Pressure fire ratings: 20, 45, 60, and 90-minutes**
- ◇ Exceeds 1,000,000 cycle slam test, in accordance with WDMA TM-7
- ◇ UV-cured factory finish to meet WDMA TR-8 and AWS System 9
- ◇ Available with Optional Anti-Microbial coating mainly for clinic and hospital use
- ◇ Lifetime Warranty (on PBC and Mineral Core only)

- ◇ Core - The innermost section of the door which determines its durability and performance. Our core types include: **Extra Heavy Duty Particleboard, Mineral, and Hollow Core**

Consult factory for other core type availability

- ◇ Stiles and Rails - are the vertical and horizontal pieces that are bonded around the core that makes up the door assembly.
- ◇ Face - The outermost layer of a wood door construction which can be: **Wood Veneer, High Pressure Plastic Laminate (P-LAM), or Medium Density Overlay (MDO)**





Wood Door Specifications

Extra Heavy Duty Particleboard Core Construction, 20-Minute Fire Rated

Particleboard Core is made from ground wood chips that are bonded together with adhesive. It is the least expensive core option that offers a seamless surface for veneer faces. It is available with 20-Minute fire rating.

Specifications: 5-Ply Construction

Lay Up Method: Bonded

Thickness: 1 3/8" and 1 3/4"

Stile & Rails: 2" Stile on both sides, 2" Top & Bottom Rails
on 30/68, 30/70, 36/70, 40/70 doors

2" Stile on both sides, 6" Top & Bottom Rails
on 30/80, 30/90, 40/80 doors

Core: 36 - 38 lb Extra Heavy Duty PBC, ANSI A208.1 Grade LD-2

Machining: To specification

Fire Rating: Intertek & UL Listed, Positive Pressure Tested:
20-Minute Rated (1 3/4" only)

Faces: All Hardwood Veneer species Raw & Pre-Finished,
1/50" minimum veneer thickness;
Primed Medium Density Overlay (MDO)

Crossband: 1/8" High Density Fiberboard (HDF)

Adhesive: Type-1 PVA (Water-Based)

Lites frame: Lites available with glazing; UL Listed
6" Minimum around all edges

Louvers: Up to 24" x 24"; Louver(s) allowed in doors with lite openings,
exit devices or smoke control doors

Neutral Pressure: Singles and Pairs require a Category "B" Edge Seal

Positive Pressure: Singles and Pairs require a Category "B"
SG Fire Intumescent / Smoke Seal

Acoustical Rating: 38 STC Operable

Warranty: Lifetime Warranty

Applications: For Architectural Use

Standards: Meets or exceeds industry standards of WDMA I.S.1-A,
WI Section 12, AWI Section 1300 Custom Grade (A Grade Faces),
AWI Section 1300 Premium Grade (AA Grade Faces);
All 20 Minute doors have been tested in conformance to the
following standards. ASTM-E-152, CSFM-43.7, CAN4-S104,
NFPA-252, UBC-7-2-97, UL-10C





Wood Door Specifications

Flush Mineral Core Construction, 45, 60, 90-Minute Fire Rated

Fire-Rated Core or simply Mineral Core is composed of minerals and fiberglass non-combustible materials. Its main feature is to slow the spread of smoke and fire from one part of a building to another. Mineral Core doors are available with fire ratings of 45, 60, or 90 minutes.

Specifications:	5-Ply Construction
Lay Up Method:	Bonded
Thickness:	1 ¾" Only
Stile & Rails:	2" Stile on both sides, 4" Top & Bottom Rails on 30/68, 30/70, 36/70, 40/70 doors 2" Stile on both sides, 6" Top & Bottom Rails on 30/80, 30/90, 40/80 doors
Core:	Mineral Core
Machining:	To specification
Fire Rating:	Intertek & UL listed, Positive Pressure Tested: 45, 60, 90-Minute Rated
Faces:	All Hardwood Veneer species Raw & Pre-Finished, ⅛" minimum veneer thickness; Primed Medium Density Overlay (MDO)
Crossband:	⅛" High Density Fiberboard (HDF)
Adhesive:	Type-1 PVA (Water-Based)
Lites frame:	Lites available with glazing; UL Listed 6" Minimum around all edges Area of lites cutout must not exceed half of total area of doors
Louvers:	Up to 24" x 24"; Louver(s) allowed in doors with lite openings, exit devices or smoke control doors
Neutral Pressure:	Singles and Pairs require a Category "B" Edge Seal
Positive Pressure:	Singles and Pairs require a Category "B" SG Fire Intumescent / Smoke Seal
Acoustical Rating:	38 STC Operable
Warranty:	Lifetime Warranty
Applications:	For Architectural and Light Commercial Use
Standards:	Meets or exceeds industry standards of WDMA I.S.1-A, WI Section 12, AWI Section 1300. Testing Standards ASTM-E-152, CSFM 43.7 CAN4-S104, NFPA-252, UBC-7-2-97, UL10C



LISTED



Intertek



Wood Door Specifications

Hollow Core Construction

Hollow Core doors are lightweight, making it easier to install and transport. They are not completely hollow, but are made up of a honeycomb pattern inside. These doors are most often used for residential and office applications. Hollow Core doors are not available with fire rating.

Specifications:	5-Ply Construction
Lay Up Method:	Bonded
Thickness:	1 3/8" and 1 3/4"
Stile & Rails:	2" Stile on both sides, 2" Top & Bottom Rails on 30/68, 30/70, 36/70, 40/70 doors 2" Stile on both sides, 6" Top & Bottom Rails on 30/80, 30/90, 40/80 doors
Core:	Cellular Honeycomb with 5" Hexagonal cells
Machining:	To specification
Fire Rating:	Not Applicable
Faces:	All Hardwood Veneer species Raw & Pre-Finished, 1/50" minimum veneer thickness; Primed Medium Density Overlay (MDO)
Crossband:	1/8" High Density Fiberboard (HDF)
Adhesive:	Type-1 PVA (Water-Based)
Lites frame:	2" minimum around door edges except for rails with 6" width
Louvers:	2" minimum around door edges except for rails with 6" width
Acoustical Rating:	Not Applicable
Warranty:	1 Year Warranty
Applications:	For Residential and Light Commercial Use
Standards:	Meets or exceeds industry standards of WDMA I.S.1-A

