



ARCHITECTURAL WOOD DOORS



DOOR CONSTRUCTION ^{1,2}	Non-Crossbanded Particleboard Core	Crossbanded Particleboard Core	Crossbanded Stave Lumber Core	Crossbanded Structural Composite Lumber Core	Crossbanded Agrifiber Core	Incombustible Fire Core	Crossbanded Lead-Lined Core	Crossbanded Composite Sound Core
THICKNESS	1-3/4", 1-3/8"	1-3/8", 1-3/4"	1-3/4"	1-3/4", 2-1/4"	1-3/4"	1-3/4", 2-1/4"	1-3/4" with lead to 1/8"	1-3/4"
CORE ³	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Kiln-dried wood blocks, edges glued	Structural Composite Lumber (SCL)	Agrifiber complying with ANSI A208.1, Grade 1-LD-2	Incombustible Fire Core	Particleboard complying with ANSI A208.1, Grade 1-LD-2, with continuous lead glued to each side of framed core; multi-ply construction	Composite Sound Core, multi-ply construction
ACOUSTICAL RATINGS	STC 28, 31 ⁴	STC 30-32, 34 ⁴	STC 32	STC 33	STC 30	STC 31-35	STC 34, 36	STC 35, 36, 39-47, 49 ⁹
AVAILABLE RATINGS	Security Rating, Class 40 ^{5,6}	Security Rating, Class 40 ^{5,6}	Security Rating, Class 40 ⁵	Security Rating, Class 40 ⁵	Security Rating, Class 40 ⁵	N/A	Radiation Shielding	N/A
POSITIVE PRESSURE FIRE RATINGS	20-Minute Fire Door ^{6,16}	20-Minute Fire Door ^{6,16}	20-Minute Fire Door ⁶	20-Minute Fire Door ⁶ , 45-Minute Fire Door ⁹	20-Minute Fire Door ^{6,10} , 45-Minute Fire Door ⁹ , 60-Minute Fire Door ¹⁰	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20- and 45-Minute Fire Door ⁶	20-Minute Fire Door ⁶ , 45-Minute Fire upto STC 45
RAILS ^{4,10}	1-3/8" SCL, top and bottom	1-3/8" SCL for all 20- and 45-min. fire doors, 1-1/2" Comp at 60-minute fire doors	1" SCL on all 45-min. & 60-min. singles; 1-1/2" Comp on 60-min. pairs & all 90-min. doors	3-3/8" SCL, top and bottom on 20 min., 45-min. uses Comp	Dimensions and materials vary by STC rating			
STILES ¹⁰	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL for all 20- and 45 min. fire doors, 1-1/2" Comp at 60-min. single fire doors, 3" Comp meeting stiles for 45-min. pairs	1" SCL on all 45-min. & 60-min. singles; 1-1/2" Comp on 60-min. pairs & all 90-min. doors	1-3/8" SCL on 20 min., 45-min. uses Comp	Dimensions and materials vary by STC rating
5-PLY WOOD VENEER MODELS	N/A	5502H [PC-5] ^{7,13,14,15} 5P02H [PC-5] ^{7,10,14}	5507H [SLC-5] ^{7,13,14,15} 5P07H [SLC-5] ^{7,10,14}	5508H [SCLC-5] ^{7,13,14,15} 5P08H [SCLC-5] ^{7,10,14}	5509H [PC-5] ⁷ 5P09H [PC-5] ^{7,10,13,14}	5545H and 5511H [FD-5] ^{7,15} 5P45H and 5P11H [FD-5] ^{7,10,14}	5515H [LL] ^{7,13,14,15} 5P15H [LL] ^{7,10,14}	5540H [SR] ^{7,11} , 5550H [SR] ^{7,11} 5P40H [SR] ^{7,11,14} , 5P50H [SR] ^{7,11,14}
FACES	N/A	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface ¹⁷	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface ¹⁷	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface ¹⁷	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface ¹⁷	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface	WDMA/AWS custom grade wood veneer, cut & species of choice, or mill option paintable surface
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
EDGES	N/A	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge
HIGH PRESSURE DECORATIVE LAMINATE MODELS	303H [PC-HPDL-3] ^{7,8,13,14,15} 3P03H [PC-HPDL-3] ^{7,10,14}	404H [PC-HPDL-5] ^{7,13,14,15} 4P04H [PC-HPDL-5] ^{7,10,14}	707H [SLC-HPDL-5] ^{7,13,14,15} 7P07H [SLC-HPDL-5] ^{7,10,14}	808H [SCL-HPDL-5] ^{7,13,14,15} 8P08H [SCL-HPDL-5] ^{7,10,14}	909H [PC-HPDL-5] ⁷ 9P09H [PC-HPDL-5] ^{7,10,13,14}	1345H and 1111H [FD-HPDL-5] ^{7,15} 1P45H and 1P11H [FD-HPDL-5] ^{7,10,14}	1515H [LL-HPDL] ^{7,13,14,15} 1P15H [LL-HPDL] ^{7,10,14}	1240H [SR-HPDL] ^{7,11} , 1250H [SR-HPDL] ^{7,11} 1P40H [SR-HPDL] ^{7,11,14} , 1P50H [SR-HPDL] ^{7,11,14}
FACES	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
EDGES ⁹	Laminate edges applied prior to faces	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge
LITE CUTOUTS Frames furnished	All sizes available for non-rated doors. Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 20-min. ^{12,13,14}	All sizes available for non-rated doors. Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 20-min. ^{12,13,14}	All sizes available for non-rated doors. Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 20-min. ^{12,13,14}	All sizes available for non-rated doors. Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 20-min. ^{12,13,14} Max. 864 sq. in. (24" w or 36" h) for 45-min. ^{13,14}	All sizes available for non-rated doors. Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 20-min. ^{12,13,14}	Max. 1296 sq. in. ¹⁸ (36" w or 54" h) for 45-min.; Max. 100 sq. in. (10" w or 33" h) for 60-min. or 90-min. ^{12,13,14}	Max. 256 sq. in. (16" w or 16" h) for 20-min.; Max. 100 sq. in. for 45-min.	Varies by STC rating
LOUVER CUTOUTS ⁶ Louvers available	All sizes available for non-rated doors.	All sizes available for non-rated doors.	Max. 576 sq. in. (24" w or 24" h) Fusible Link Metal Louvers only	N/A	N/A			

¹All VT doors are intended for interior use only. ²All VT doors meet or exceed WDMA I.S. 1-A and AWI/AWS Section 9 quality standards. ³All VT stiles and rails are bonded to core, and unit is sanded as monolithic core assembly. ⁴All doors are available with larger top and bottom rails and with additional hardware blocking when specified. ⁵Highest security rating possible per UBC standard 41-1 and ASTM F-176. ⁶No louvers are allowed in 20-minute doors (smoke doors). ⁷WDMA Spec Symbols listed in [brackets] beside VT model numbers. ⁸.125" decorative laminate available upon request in non-crossbanded particleboard core door. ⁹Decorative laminate doors are also available with unfinished, stained or painted hardwood edges. ¹⁰Intumescent concealed along stile edge and surface applied along top rail. ¹¹Gasketing and door bottom required. Can be supplied by VT or others. ¹²Larger lite sizes available using special materials. ¹³Neutral pressure fire rating available. ¹⁴Positive pressure fire rating available. ¹⁵20-min. positive pressure restrictions: single door only; for use in hollow metal frame. ¹⁶Doors thinner than 1-3/4" cannot carry an STC rating or a fire label (non-rated only). ¹⁷With Positive Pressure Construction. ¹⁸Mill option paintable surface will be 3-ply construction. ¹⁹Lite sizes are dependent on combination of lite kit and glass. ²⁰STC 49 door required to be 2-1/4" thick and manufactured with Comp stiles and rails.

Subject to change. Refer to www.vtindustries.com/doors for the latest information.