

Summary of Listings ITS-WH&UL - Positive Pressure Category B



INTERTEK TESTING SERVICES - WARNOCK HERSEY (ITS-WH) & UNDERWRITERS LABORATORIES (UL) POSITIVE PRESSURE CATEGORY B

	Door	Maximum Size (6)	Maximum Visible Glass Size (1,2,7,8,10)	Vertical Edge Covering	Hinges	Latching Devices (12)	Closers	Viewers	Fusible Link Louvers (4)	Kick Plates	Drop Seals (15)	Transoms (5,13)
SINGLE DOORS	90 Min. (B) Mineral Core	4'0"x10'0" (1219mm x 3048mm)	See Appendix I for Lite Approvals	Veneer banding or decorative laminate (4); full or partial length metal edge protectors	Hinges and pivots per NFPA 80	Cylindrical, mortised, card locks, mortised exits, full or top rod only surface vertical rods, rim exits, concealed vertical full or top rod only		Surface mounted or concealed (listed for positive pressure) or 2 spring hinges per NFPA 80	Area limit is 576 sq. in. (3716sq. cm.) max length or width 24" (609mm); 1 or 2 individual lovers*~			Max combined opening 4'0"x9'0"; approved with or without a transom bar
	60 Min. (B) Mineral Core											
	45 Min. (C) Mineral Core											
	45 Min. Bonded Particle Core	4'0"x8'0" (1219mm x 2438mm)										
	20 Min. Bonded Particle Core ⁽¹⁰⁾	4'0"x10'0" (1219mm x 3048mm)										
20 Min. Structural Composite Lumber Core												
STANDARD PAIR DOORS	90 Min. (B) Mineral Core	See table in lower right hand corner	See Appendix I for Lite Approvals	Veneer banding, decorative laminate (4) or metal edge and astragal	Hinges and pivots per NFPA 80	Cylindrical, mortised, card locks, mortised exits, full or top rod only concealed vertical rods, flushbolts and extension flushbolts (11)	Surface mounted or concealed (listed for positive pressure) or 2 spring hinges per NFPA 80	Surface mounted or concealed (listed for positive pressure) or 2 spring hinges per NFPA 80	Area limit is 576 sq. in. (3716sq. cm.) max length or width 24" (609mm); 1 or 2 individual lovers	Metal, HPL, PVC or acrovyn up to 48" (1219mm) from the bottom of the door	Listed full or semimortised drop seals requiring a max cut out of 1-15/16" deep and 1" wide	Max combined opening 4'0" x 9'0". Approved with rabbeted-rail, flat rail or transom bar. Approved for SCLS only
	60 Min. (B) Mineral Core											
	45 Min. (C) Mineral Core											
	45 Min. Bonded Particle Core	6'0"x7'0" (1828mm x 2133mm)										
	20 Min. Bonded Particle Core ⁽¹⁰⁾	8'0"x9'0" (2438mm x 2743mm)										
20 Min. Structural Composite Lumber Core												
DOUBLE EGRESS DOORS	90 Min. (B) Mineral Core	8'0"x9'0" [2438mm x 2743mm]	See Appendix I for Lite Approvals	Veneer banding or decorative laminate(4); full or partial length metal edge protectors on hinge stile	Hinges and pivots per NFPA 80	Cylindrical, mortised, card locks, mortised exits, full or top rod only concealed vertical rods, flushbolts and extension flushbolts (11)	Surface mounted or concealed (listed for positive pressure) or 2 spring hinges per NFPA 80	Surface mounted or concealed (listed for positive pressure) or 2 spring hinges per NFPA 80	Area limit is 576 sq. in. (3716sq. cm.) max length or width 24" (609mm); 1 or 2 individual lovers			Not Available
	60 Min. (B) Mineral Core											
	45 Min. (C) Mineral Core											
	20 Min. Bonded Particle Core ⁽¹⁰⁾	8'0"x9'0" (2438mm x 2743mm)										
	20 Min. Structural Composite Lumber Core											
OTHER DOORS	20 min Dutch Door Structural Composite Lumber	4'0"x8'0" (1219mm x 2438mm)	Single or multiple lites not to exceed 1296sq. in. (8351sq. cm.) of visible glass; max continuous dim: 36" (914mm) high, 36" (914mm) wide	Veneer banding or decorative laminate (4); full or partial length metal edge protects	Hinges and pivots per NFPA 80	Cylindrical, mortised	Surface mounted (Listed for positive pressure)	Not Approved	Not Approved	Brass, bronze, steel, aluminum or HPL; up to 40" (1016mm) from the bottom of the door.	Surface, semi or full mortise: max size 1"x1-3/4"	Not Approved
	20 Min. 1-3/8" (35mm) Particle Core/Structural Composite Lumber	3'0"x7'0" (914mm x 2134mm) Single Only	Single or multiple lites not to exceed 100 sq. in. (645sq. cm) of visible glass; max continuous dim: 33" (838mm) high, 12" (305mm) wide - MVF only	Single or multiple lites not to exceed 100 sq. in. (645sq. cm) of visible glass; max continuous dim: 33" (838mm) high, 12" (305mm) wide - MVF only		Cylindrical locks						
	20 Min. Radiation Shielded	Sgl: 4'0"x8'0" (1219mm x 2438mm) Std PR 8'0"x8'0" (2438mm x 2438mm) DE: N/A	See Appendix N for Lite Approvals	Veneer banding or lead-lined metal edge and astragal		Cylindrical, mortised, deadbolts, surface vertical rods, rim and mortised exit devices, card locks						
	20 Min. STC 41 Acoustic	Sgl: 4'0"x8'0" (1219mm x 2438mm) Std PR: 8'0"x8'0" (2438mm x 2438mm) DE: N/A	See Appendix M for Lite Approvals	Veneer banding		Cylindrical, mortised, deadbolts, surface vertical rods with through bolts, rim and mortised exit devices, card locks, surface mounted manual or mortised automatic flushbolts						
	20 Min. STC 44, 45, 46, 47 Acoustic	UL Only: Sgl: 4'0"x8'0" (1219mm x 2438mm)		Veneer banding or decorative laminate (4)		Cylindrical, mortised, mortised exit, full surface vertical rods, and rim exits						
	45 Min. STC 44, 45, 46, 47 Acoustic											

This table pertains to fire approvals. It is the user's responsibility to evaluate the effect of various options on special requirements such as Radiation Shielded shielding and acoustic performance.

All hardware and accessories used on fire-rated doors must be appropriately listed. Columns indicate association approval for each option. Combinations of options can affect approval status or available sizes.

- 45-90 minute doors approved with non-combustible bead using safety rated 1/4" wired glass or 110 metal vision frame using safety rated 1/4" wired glass or approved safety glazing in a metal vision frame
- 20-minute lite options include Fire-Trim with 5/16" Firelite® Plus glazing, 1/4" wired glass with wood moulding, 110 metal vision frames with safety rated 1/4" wired glass or approved safety glazing. Canada Trim-Lite Moulding is available on 20-minute doors requiring hose steam
- Louver must be located in the bottom 39" of the door
- Edge banding is applied prior to intumescent mortising where both are present; the edge banding does not cover over the intumescent
- Where transoms are installed without transom bars the meeting rails will have flat joints (not rabbeted)
- Some hardware combinations may affect maximum allowable door sizes
- 110-N metal vision frame required when 3/16" Firelite® NT glass is used
- 5/16" Firelite® Plus glazing with Fire-Trim moulding required when opening exceeds 54" in length or 1296 sq. in. for 20 min SCL positive pressure
- Refer to Appendix M. Unless noted, lite openings void all STC ratings. STC rating is not guaranteed for doors hung in pairs
- For non-bonded cores, additional size limitations may apply
- Maximum extension flushbolt length is 30" for UL 45-90 minute pairs and 18" for ITS 45-90 minute pairs
- Contact sales for additional latching device approvals
- Listed surface applied door shoes also available

HPDL = High Pressure Decorative Laminate
Fire doors to be installed per NFPA 80
Maximum allowable undercut is 3/4"

All hardware and accessories used on fire-rated doors must be appropriately listed. Columns indicate association approval for each option. Combinations of options can affect approval status or available sizes.

Maximum Door Sizes for Standard Mineral Core Pairs

	Maximum Door Size*		
	45	60	90
4-Point (2 SVRs)	Without MEA	8x8'0"	8x8'0"
	With ME	8x9'0"	8x9'0"
4-Point (SVRs x Corner Flushbolts)	Without MEA	8x8	8x8
	With ME	8x9	8x8
3-Point (Singles Point and Corner Flushbolts)	Without MEA	8x8	8x8
	With ME	8x9	8x8
3-Point (2 SVRs) or 2-point plus pin	Without MEA	8x8	8x8
	With ME	8x8	8x8

* Max height may require 6" stile