

RMC45/60/90 TECHNICAL SPECIFICATIONS | NEUTRAL PRESSURE

HARDWARE OPTIONS

LATCHING OPTIONS:

- Mortised and cylindrical (single)
- 3 and 4 point on surface and concealed latching standard and double egress

OPTIONAL CONSTRUCTION:

- Automatic door bottom
- Installed blocking

HARDWARE L/L:

(Listed and labelled)

- G-P Firestop Plus frame
- Steel frame - 16 to 18 gauge min.
- Listed category "C" frame
- L/L Proprietary frames
- Electric raceways
- Deadbolts
- L/L Continuous hinges
- L/L Spring hinges
- Cylindrical latch sets
- Mortise latch sets
- Floor closers
- Surface mounted closers
- Concealed vertical rods
- Louvers
- Strikes - electric/open back
- Bolts - Automatic, manual, surface
- Viewers
- Metal edges (not required)
- Astragals (not required)
- Edge guards (not required)
- Protective plates (to 48" high)
- Automatic door bottoms
- Plant-on
- Von Duprin EPT Device
- EPT power transfer unit

FIRE EXIT DEVICES:

- L/L rim type, mortise type
- Surface mounted vertical rods
- Labelled surface mounted vertical LBR
- Adams Rite 3900 LBR
- Sargent series 12-8700 CTL
- Von Duprin concealed (45 minutes only)

Allowable faces:

- Veneer
- Hardboard
- Decorative laminates

TRANSOMS AND SIDE PANELS:

- Transom assemblies to a maximum height of 3'4" above the door
- Side panels allowed to 4' X 9' (45 and 60 minutes only)
- Side panels allowed to 4' X 8' (90 minutes only)

SMOKE AND DRAFT CONTROL GASKET:

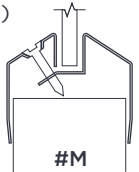
- Surface applied category "H" gasket system
- Eligible for "S" label

VISION PANELS:

- Many options up to 1296 sq.in. (45 minutes only)
- Many options up to 100 sq.in. (60 and 90 minutes only)

PLANT-ONS

- Wood or urethane mouldings up to 2 1/2" (64 mm) wide, covering up to 20% of door surface area.
- Fastened using nails and/or adhesive.
- Individual mouldings must be a minimum of 3 1/2" (89 mm) apart.



METAL ASTRAGAL (FOR PAIR OR TRANSOM) (IM)

Surface bolts



Metal T Shape - 45, 60, 90 min fire rated

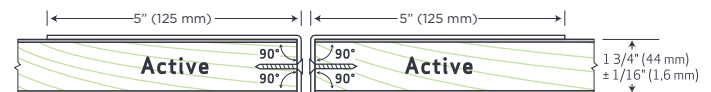
FLAT WOOD ASTRAGAL (FOR PAIR)

In manufacturer's choice of hardwood or matched with face on request, surface bolts, PBL stiles required. In stock: oak or birch.



Flat wood - 45, 60, 90 min fire rated

5" metal edges



5" metal edges - 45, 60, 90 min fire rated

FIRE-RESISTANT DOORS | NEUTRAL PRESSURE

	FIRE RATING <small>Intertek testing Services</small>	MINERAL 90-MINUTE	MINERAL 60-MINUTE	MINERAL 45-MINUTE	PARTICLE 20 MINUTE
DOOR FRAME	Single sizes:	48" X 120"	48" X 120"	48" X 120"	48" X 120"
	Transom: (Maximum size)	48" X 40"	48" X 40"	48" X 40"	48" X 40"
	No transom bar or astragal required (may be used if desired)	Approved	Approved	Approved	Approved
	Pairs: Three point latching height	96" X 96"	96" X 96"	96" X 96"	96" X 120"
	Pairs: Surface vertical rods - M/Edges	96" X 96"	96" X 108"	96" X 108"	96" X 120"
	Pairs: Concealed vertical rods	Approved	Approved	Approved	Approved
	With 5" metal edges	96" X 108"	96" X 108"	96" X 108"	Not applicable
	Without 5" metal edges	96" X 96"	96" X 96"	96" X 96"	96" X 108"
	Pairs: Double egress	96" X 96"	96" X 96"	96" X 96"	96" X 120"
	Pairs: No metal edges and no intumescent seals	72" X 84"	72" X 84"	72" X 84"	72" X 84"
	Dutch doors	Not applicable	48" X 96"	48" X 96"	48" X 96" / 96" X 96"
	Molded hardboard skins	Not applicable	36" X 96" / 42" X 84"	42" X 84"	36" X 96"
	Faces: Plywood 34.4 PCF or denser	Approved	Approved	Approved	Approved
	Faces: Hardboard (ANSI A 135.4)	Approved	Approved	Approved	Approved
	Faces: Decorative laminates	Approved	Approved	Approved	Approved
	Stiles: All wood (Hinge stile only)	Not applicable	Not applicable	Not applicable	1.375"
	Stiles: Firestop I (No wood)	1"	0.75"	Optional	Optional
	Stiles: Firestop II (With wood)	1.53"	1.41" (Optional)	1.41" (Optional)	Optional
	Extra wide stiles	Approved	Approved	Approved	Approved
	Rails: All wood	Not applicable	Not applicable	Not applicable	2.625" (Top & Bottom)
	Rails: Top Firestop I (No wood) (Standard)	2"	2"	2"	Optional
	Rails: Top Firestop II (With wood) (Optional)	1.53"	1.41"	Optional	Optional
Rails: Bottom Firestop I (Standard)	2"	2"	Optional	Optional	
Rails: Extra wide Firestop - No maximum	Approved	Approved	Approved	Approved	
HARDWARE	Latches: Labelled mortise type	Approved	Approved	Approved	Approved
	Locks: Labelled mortise & integral	Approved	Approved	Approved	Approved
	Surface mounted vertical rods	Approved	Approved	Approved	Approved
	Concealed vertical rods	Approved	Approved	Approved	Approved
	Top rod only W/O thermal pins	Not applicable	Not applicable	Not applicable	Not applicable
	Top rod only with thermal pins	Approved	Approved	Approved	Approved
	Flush bolts: Automatic & manual with extensions	Approved	Approved	Approved	Approved
	Dead bolts	Approved	Approved	Approved	Approved
	Vision light size: Per NFPA 80	100 Sq.In	100 Sq.In	1296 Sq.In	1296 Sq.In
	Viewers: Labelled for door rating (2 maximum)	Max. 1" Dia.	Max. 1" Dia.	Max. 1" Dia.	Max. 1" Dia.
	Automatic door bottom: Max width 48"	1" X 1.75"	1" X 1.75"	1" X 1.75"	1" X 1.75"
	Louvers (2 maximum)	24" X 24"	24" X 24"	24" X 24"	Not applicable
	Protection plates	48" X 48"	48" X 48"	48" X 48"	48" X 48"
	Wire chase (raceway)	0.375" X 0.375"	0.375" X 0.375"	0.375" X 0.375"	Not applicable
	Plant-on moulding	2.5" X 0.75" (Wood)	2.5" X 0.75" (Wood)	2.5" X 0.75" (Wood)	2.5" X 0.75" (Wood)
	Concealed closer	Not applicable	Approved	Approved	Approved
	Hinges: Paumelle	Approved	Approved	Approved	Approved
	Hinges: Pivot	Approved	Approved	Approved	Approved
	Hinges: Mortised 4.5" X 4.5" & 4" X 4" (See NFPA 80)	Approved	Approved	Approved	Approved
	Hinges: Labelled spring type (See NFPA 80)	Approved	Approved	Approved	Approved
Hinges: Double knuckle type	Approved	Approved	Approved	Approved	
Hinges: Invisible SOSS 418 type	Approved	Approved	Approved	Approved	

Note: Some hardware requires special blocking. Check manufacturing specifications.

* (See AF45 Technical specifications and NFPA 80)