



POSITIVE PRESSURE CATEGORY "B" GUIDELINES

Category "B" fire doors require an additional edge-sealing system (Category G) field applied to the labeled frame or door to achieve the rating. The application of the edge-sealing system does not require any machining of the frame or door. Please refer to Category "G", edge-sealing systems for individual manufacturer's listings. **Please be advised that manufacturer's listings have and will continue to change, therefore applications are subject to change without the immediate notification to the customer.**

- All doors listed as category "B" are eligible to bear the "S" label (smoke & draft control assembly) if a listed category "H" gasket is applied to the assembly. Pemko "G" edge-sealing systems and "H" smoke/draft control seals are available from Lynden Door. Please call factory for pricing and availability.
- *Category "B" listings do not require the door manufacturer to supply edges sealing systems.*
- *Category "B" listings are predicated on door type and door construction. (Please refer to the category "G" manufacturer's listing requirements for the door construction and limitations.)*

LYNDEN DOOR / PEMKO / G-P GYPSUM CORP. 20-MINUTE CATEGORY "B" LISTINGS:

20-MIN FLUSH UP TO 3080 SINGLE SWING (WD x Metal)

Door Construction:	Standard, LD or CD with hardwood vertical edges
Frame:	Minimum 22 gauge steel frame in masonry or drywall (steel or wood stud)
Opening:	3/0 x 8/0 single swing
Edge Seal:	S88 applied to frame (no additional intumescent required)

20-MIN FLUSH UP TO 4090 SINGLE SWING or 8090 PAIR (WD x WD)

Door Construction:	Standard, LD or CD with hardwood vertical edges
Frame:	Listed 20-min. wood frame sg=0.47 @ 12% (Doug Fir)
Opening:	4/0 x 9/0 single swing 8/0 x 9/0 standard pair / 4 point surface mounted latching
Edge Seal:	S88 or S44 applied to frame (no additional intumescent required on single swing) * <i>Pair opening requires additional HSS2000 & S77 applied to leading edge on one leaf</i>

20-MIN FLUSH UP TO 4090 SINGLE SWING or 8090 PAIR

Door Construction:	Standard, LD, CD - Flush
Frame:	Minimum 22 gauge steel frame in masonry or drywall (minimum 4" throat) Listed 20-min. wood frame sg=0.47 @ 12% (Doug Fir)
Opening:	4/0 x 9/0 single swing 8/0 x 9/0 standard pair (3 or 4 point latching)
Edge Seal:	HSS2000 applied to door or frame (<i>Pairs require additional HSS2000 applied to one leaf or HSS1000 applied to both leaves, Flushbolts require FGL5000 on body of bolt</i>)

20-MIN PROFILED (CraftMaster) UP TO 3080 or 3670 SINGLE SWING

Door Construction:	Standard Construction – Profiled Core
Frame:	Minimum 22 gauge steel frame in masonry or drywall (minimum 4” throat) Listed 20-min. wood frame sg=0.47 @ 12% (Doug Fir)
Opening:	3/0 x 8/0 single swing 3/6 x 7/0 single swing
Edge Seal:	HSS2000 or HSS1000 applied to door or frame

20-MIN PROFILED (CraftMaster) UP TO 7070 PAIR

Door Construction:	Standard Construction – Profiled Core
Frame:	Minimum 22 gauge steel frame in masonry or drywall (minimum 4” throat) Listed 20-min. wood frame sg=0.47 @ 12% (Doug Fir)
Opening:	7/0 x 7/0 standard pair (4 point latching)
Edge Seal:	HSS2000 or HSS1000 applied to door or frame (<i>Pairs require additional HSS2000 applied to one leaf or HSS1000 applied to both leaves</i>)

20-MINUTE FLUSH OR PROFILED (CraftMaster) DOUBLE EGRESS PAIRS

Fire rated positive pressure double egress pairs are **not available**

LYNDEN DOOR / PEMKO / G-P GYPSUM CORP. 45-MINUTE CATEGORY “B” LISTINGS:45-MINUTE FLUSH UP TO 4090 SINGLE SWING

Door Construction:	Standard, Mineral Core (90 min. construction)
Frame:	Minimum 22 gauge listed steel frame in masonry or drywall (minimum 4” throat)
Opening:	4/0 x 9/0 single swing – standard mortise or bored locks
Edge Seal:	S88 (no additional intumescent required) or approved 45-minute Cat. “G” edges sealing system

45-MINUTE FLUSH UP TO 8090 STANDARD PAIR OR 8/0 X 8/0 DOUBLE EGRESS PAIR

Door Construction:	Mineral Core (GP “D” core construction) 3” Firestop hinge stile and top rail, 4” Firestop II+1 (intumescent) meeting stile
Frame:	Minimum 22 gauge listed steel frame in masonry or drywall (minimum 4” throat)
Opening:	8/0 x 9/0 standard swing pair (2 or 3 point latching) 8/0 x 8/0 double egress pair (2 or 4 point latching)
Edge Seal:	HSS2000 applied to frame or any approved 45-minute Cat. “G” edge sealing system

45-MINUTE PROFILED CORE (CraftMaster) UPTO 3670 & 3080 SINGLE SWING

Door Construction:	Mineral Core 1” GP Firestop stiles, 1-1/2” Firestop top rail
Frame:	Minimum 16 gauge listed standard metal frame
Opening:	3/6 x 7/0 (<i>both GP cores approved</i>) 3/0 x 8/0 (GP “D” core) standard swing mortise or bored locks
Edge Seal:	S88 (no additional intumescent required) or approved 60-minute Cat. “G” edges sealing system

45-MINUTE PROFILED CORE (CraftMaster) 7070 PAIR

Door Construction: Mineral Core 1" GP Firestop stiles, 1-1/2" Firestop top rail & Firestop II+1 (intumescent) leading edges
 Frame: Minimum 16 gauge listed standard metal frame
 Opening: 7/0 x 7/0 (both GP cores approved) 4 point surface latching
 Edge Seal: S88 (no additional intumescent required) or approved 60-minute Cat. "G" edges sealing system

60-MINUTE PROFILED CORE (CraftMaster) UP TO 3670 SINGLE SWING

Door Construction: Mineral Core (90-min. GP profiled core construction)
 Frame: Minimum 16 gauge listed standard metal frame
 Opening: 3/6 x 7/0 (both GP cores approved) standard swing mortise or bored locks
 Edge Seal: S88 (no additional intumescent required) or approved 60-minute Cat. "G" edges sealing system

LYNDEN DOOR / PEMKO / G-P GYPSUM CORP. 60-MINUTE CATEGORY "B" LISTINGS:

60-MINUTE FLUSH UP TO 4090 SINGLE SWING

Door Construction: Mineral Core (90 min. GP construction)
 Frame: listed steel frame
 Opening: 4/0 x 9/0 single swing – standard mortise or bored locks
 Edge Seal: S88 (no additional intumescent required) or approved 60-minute Cat. "G" edges sealing system

60-MINUTE FLUSH UP TO 8090 STANDARD PAIR

Door Construction: Mineral Core (90 GP construction) Firestop II+1 (intumescent) meeting edge stiles
 Frame: Listed steel frame
 Opening: 8/0 x 9/0 standard swing pair (4 point surface latching)
 Edge Seal: S88 (no additional intumescent required) or approved 60-minute Cat. "G" edges sealing system

60-MINUTE FLUSH UP TO 8090 STANDARD PAIR

Door Construction: Mineral Core (90 GP "D" construction) 3" Firestop hinge stile and top rail, 4" Firestop II+1 (intumescent) meeting edge stiles
 Frame: Listed steel frame
 Opening: 8/0 x 9/0 standard swing pair (2 & 3 point latching)
 Edge Seal: Approved 60-minute Cat. "G" edges sealing system

60-MINUTE FLUSH UP TO 8080 DOUBLE EGRESS PAIR

Door Construction: Mineral Core (90 GP "D" construction) 3" Firestop hinge stile and top rail, 4" Firestop II+1 (intumescent) meeting stile
 Frame: Listed steel frame
 Opening: 8/0 x 8/0 double egress pair (2 & 3 point latching / surface & concealed vertical rods allowed – see complete listing)
 Edge Seal: Approved 60-minute Cat. "G" edges sealing system

60-MINUTE PROFILED CORE (CraftMaster) 7070 PAIR

Door Construction:	Mineral Core (90-min. GP profiled core construction) & Firestop II+1 (intumescent) leading edges
Frame:	Minimum 16 gauge listed standard metal frame
Opening:	7/0 x 7/0 (<i>both GP cores approved</i>) 4 point surface latching
Edge Seal:	S88 (no additional intumescent required) or approved 60-minute Cat. "G" edges sealing system

LYNDEN DOOR / PEMKO / G-P GYPSUM CORP. 90-MINUTE CATEGORY "B" LISTINGS:**90-MINUTE FLUSH UP TO 4090 SINGLE SWING**

Door Construction:	Mineral Core (90 min. GP construction)
Frame:	Listed steel frame
Opening:	4/0 x 9/0 single swing – standard mortise or bored locks
Edge Seal:	S88 (no additional intumescent required) up to 4/0 x 8/0, or approved 90-minute Cat. "G" edges sealing system

90-MINUTE FLUSH UP TO 8090 STANDARD PAIR

Door Construction:	Mineral Core (90 GP construction) Firestop II+1 (intumescent) meeting stile
Frame:	Listed steel frame
Opening:	8/0 x 9/0 standard swing pair (4 point surface latching)
Edge Seal:	S88 (no additional intumescent required) up to 8/0 x 8/0, or approved 90-minute Cat. "G" edges sealing system

90-MINUTE FLUSH UP TO 8090 STANDARD PAIR

Door Construction:	Mineral Core (90 GP "D" construction) 3" Firestop hinge stile and top rail, 4" Firestop II+1 (intumescent) meeting stile
Frame:	Listed steel frame
Opening:	8/0 x 9/0 standard swing pair (2 & 3 point latching)
Edge Seal:	Approved 90-minute Cat. "G" edges sealing system

90-MINUTE FLUSH UP TO 8080 DOUBLE EGRESS PAIR

Door Construction:	Mineral Core (90 GP "D" construction) 3" Firestop hinge stile and top rail, 4" Firestop II+1 (intumescent) meeting stile
Frame:	Listed steel frame
Opening:	8/0 x 8/0 double egress pair (2 & 3 point latching / surface & concealed vertical rods allowed – see complete listing)
Edge Seal:	Approved 90-minute Cat. "G" edges sealing system