

## POSITIVE PRESSURE | 20/45/60/90 MIN

### EXPLANATION OF LISTING CATEGORIES

#### CATEGORY A | DOORS

No additional edge-sealing system is required.

This category includes doors evaluated without edge-sealing systems between the door and frame. It also includes doors evaluated with a sealing system incorporated (concealed or visible) into the edge of the door. Meeting edges of pairs may require an astragal or an edge-sealing system.

These doors are eligible for use in a category C, "Standard" frame. These doors may also be installed in frames listed in category C, "Proprietary" frame in accordance with the frame manufacturer's individual listing.

All doors listed in category A are eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed category H, "Smoke & Draft Control Gasket" has been applied to assembly.

#### CATEGORY B | DOORS

Additional edge-sealing system is required.

This category includes doors evaluated with an edge-sealing system (Category G) field-applied to the labelled frame or door. 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.

These assemblies are eligible for use in any category C, "Standard" frame. These doors may also be installed in frames listed in category C, "Proprietary" in accordance with the frame manufacturer's installation instructions.

All doors listed in category B are eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed category H, "Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to category H for individual gasket manufacturer's listings.

#### CATEGORY C | PROPRIETARY FRAMES

This category includes frames not manufactured to the ANSI-A155.1/UL-63 standard (such as aluminum, wood, light gauge steel, composite, etc.). This listing will reference specific door types for which each frame is qualified. Ensure that each frame complies with the terms and limitations of the individual listing.

#### CATEGORY C | STANDARD FRAMES

This category includes frames manufactured to the ANSI-A155.1/UL-63 standard and includes sidelight/transom assemblies. These frames are qualified for use with category A or category B doors with category G edge-sealing systems. These frames require anchors when installed in pairs. These listings will not reference specific door types, as all door types are eligible.

#### CATEGORY D | DOOR/FRAME ASSEMBLIES

This category includes doors and frames that are labelled for positive pressure compliance as an assembly.

#### CATEGORY E | HARDWARE

Refer to the ITS directory of listed building products for hardware listings. Hardware that qualifies for positive pressure will include the statement "Also conforms to UBC-7-2-97/UL-10C."

#### CATEGORY F | LIGHT KITS

Products listed in this category have been evaluated for use in positive pressure fire door assemblies for specific types of doors and with specific glazing systems. Refer to the individual listings for limitations and requirements.

Refer to the ITS directory of listed building products. Hardware that qualifies for positive pressure will include the statement "Also conforms to UBC-7-2-97/UL-10C."

#### CATEGORY G | EDGE-SEALING SYSTEMS

This category includes field-applied systems only. Category G edge-sealing systems are for use on category B doors or meeting edges (only) of category A doors. These systems are surface-applied to either the perimeter of the door or frame, or meeting edge of the door.

#### CATEGORY H | SMOKE AND DRAFT CONTROL GASKETING

This category includes gasket systems that are surface-applied to frames or doors. It includes gasketing for the meeting edges for use in pair and double egress assemblies.

Note: This category covers gasket systems that have been evaluated for use in positive pressure rated assemblies, but do not provide an edge sealing system to the opening (see category G). These gasket systems have been evaluated in accordance with UBC-7-2-97, parts I and II.

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**20 MINUTE FIRE-RESISTANT DOOR | PARTICLE CORE, CATEGORY “A” POSITIVE PRESSURE**

MACHINING INFORMATION   MAXIMUM DOOR SIZES	
DOOR TYPE	MAXIMUM SIZE
Simple - swing	4' X 9' (1219 mm X 2743 mm)
Pairs - conventional	8' X 9' (2438 mm X 2743 mm)
Pairs - double egress	8' X 9' (2438 mm X 2743 mm)
No intumescent required*	

\*Except pairs that need intumescent on the stile, lock side.

**HARDWARE OPTIONS**

**LATCHING OPTIONS:**

- | 2, 3 & 4 point on surface latching standard and double egress - single point
- | 2, 3 & 4 point concealed latching standard and double egress - 3 & 4 point pairs

**OPTIONAL CONSTRUCTION:**

- | Concealed hardware
- | Automatic door bottom
- | Installed blocking

**HARDWARE L/L: (LISTED AND LABELLED)**

- | G-P Firestop Plus frame
- | Steel frame - 18 gauge min.
- | Kerf steel frame - 16 gauge min.
- | Listed category “C” frame
- | L/L Proprietary frames
- | Electric raceways
- | L/L Continuous hinges
- | L/L Spring hinges
- | Cylindrical latch sets
- | Mortise latch sets
- | Floor closers
- | Surface mounted closers
- | L/L Concealed vertical rods
- | Louvers
- | L/L CVR less bottom rod
- | 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

**FIRE EXIT DEVICES:**

- | Rim type
- | Mortise type
- | Surface mounted vertical rods
- | Vertical rods (top and bottom LBR)

**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’

**VISION PANELS:**

- | Many options up to 1296 square inches.

**SMOKE AND DRAFT CONTROL GASKET:**

- | Surface applied category “H” gasket system
- | Eligible for “S” label

**POSITIVE PRESSURE | 20/45/60/90 MIN**

**20 MINUTE FIRE-RESISTANT DOOR | MINERAL CORE**

MACHINING INFORMATION   MAXIMUM DOOR SIZES	
DOOR TYPE	MAXIMUM SIZE
Simple - swing	4' X 9' (1219 mm X 2743 mm)
Pairs - conventional	8' X 9' (2438 mm X 2743 mm)
Pairs - double egress	8' X 9' (2438 mm X 2743 mm)
Category "A" and "B" positive pressure	

\*Except pairs that need intumescent on the stile, lock side.

**HARDWARE OPTIONS**

**MINERAL CORE**

**TRANSOMS:**

- Maximum size - Width if door x 40" above door
- A transversal mullion between door and transom is required

**SIDE PANELS:**

- 4' X 9' (45-60 min) max.
- 4' X 8' (90 min) max.

**JAMS:**

- Doors and transoms must be installed in a L/L 16 ga. min. steel jamb
- \*Please note the difference between categories "A" and "B" is in stile and rail structure.

**TRANSOMS AND SIDE PANELS:**

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

**Smoke and draft control gasket:**

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

**VISION PANELS:**

- Many options up to 1296 square inches (45-60 min)
- Many options up to 100 square inches (90 min only)