



# FIRE RATED

Single Swing AF-100 Pultruded Door

## CONFIGURATION WORKSHEET

Model: AF - 100 - 45602

### PRODUCT LIMITATIONS

**Swing:** Standard Swing

**Double Egress:** No

**Latching:** 1-point Latching

**Undercut:** 3/4" Max Door to Finish Floor

**Raceways:** No

**Max Size:** 36" x 84" Single Door (Max D.O.)

**Duration:** 20 Minute (without hose) Positive Pressure Category B (Surface applied intumescent required for positive pressure rating)

## Design Guidelines:

### Application

Pultruded door for use in locations rated up to 20 minutes. For use in Special-Lite AF-150 Fiberglass frame.

Doors labeled for positive pressure applications must include installation instructions to be furnished by the door labeler. Unless otherwise noted on the door's installation instructions all intumescent materials and smoke/draft control gasketing used in the assembly are to be installed per their respective manufacturer's instructions.

### Hardware

Preparation shall be made in accordance with NFPA 80. Only hardware listed and labeled for use with fire doors may be installed.

- **Hinges**
  - Per NFPA 80
  - Continuous Hinge
  - Mortise Butt Hinges
- **Latchsets**
  - Listed mortise or cylindrical latch with a minimum latch throw of 3/4".
- **Fire Exit Devices**
  - Listed surface mounted rim fire exit device
- **Deadlock**
  - Cylindrical with a maximum 2-1/8" diameter bore located a minimum of 5" above latch cutout
  - Mortise deadlock is allowed (refer to Mortise Latchset for cutout) located a minimum of 5" about latch cutout
- **Flushbolts**
  - Not allowed
- **Louvers**
  - Not allowed
- **Vision Panels**
  - Not allowed
- **Closers**
  - Listed surface mounted

### Edge-Sealing System

National Guard Products NGP 9450 or NGP 9550 x 5020. Pemko HSS2000 (or equivalent) is applied to the rabbet of the door frame on the head jamb and the hinge leaves of the continuous hinges (or on the frame if butt hinges are used).

### Clearances

- A maximum 1/8" clearance between the frame and the door is allowed.

## Final Checklist:

Single swing

D.O. is  $\leq 36" \times 84"$

Undercut  $\leq 3/4"$

Hinge clearance  $\leq 1/8"$  unless otherwise specified by hardware manufacturer

Lock clearance  $\leq 1/8"$

Head clearance  $\leq 1/8"$

ESTIMATOR

DETAILER

PRODUCTION