



# PEMKO EXCESSIVE DOOR GAP SOLUTIONS

## Frequently Asked Questions

### What is NFPA80, and what are the allowable clearances for fire doors?

NFPA80 is a regulatory code that describes various aspects of fire doors. NFPA80 indicates that clearances (dimension from door edge to frame) around the top and vertical edges of a fire door are allowed to be:

- 1/8" for wood doors
- 1/8" +/- 1/16" for metal doors

NFPA80 also indicates that the allowable clearance at the bottom of the door (dimension from bottom rail to top of finished floor) is allowed to be:

- Up to 3/4" maximum

### Why are clearances important?

Clearances around a fire door will ensure proper function and cycling, not only during normal operation, but also in the event of a fire. Appropriate clearances will also make certain that other hardware, which may be attached to the door or the frame, will function accurately.

### What happens during a fire door inspection?

NFPA 80 requires periodic fire door inspections by a licensed professional, called an FDAI. In addition to these inspections, each door repair must be documented in a maintenance log. This log will include regulatory certifications and pertinent information about products added to the door that will verify they are compliant with fire and smoke codes, where applicable. Products listed in these maintenance logs will include gaskets, like Pemko's Excessive Gap Solutions.



## Frequently Asked Questions, continued.

### What solutions does Pemko offer for excessive gaps?

When clearances in a fire-rated opening exceed the required recommendations outlined in NFPA80, Pemko's Excessive Gap Solutions can assist with bringing a door back into compliance. These products are designed to be used on wood and steel doors and frames without requiring the door to be taken out of the opening, saving time and money on maintenance.

### Head/top of the opening

Pemko's **EGA305XGSS** can be used on gaps in excess of 1/8" and up to 1/2" for single or pairs of doors with up to 90-minute rated openings. Additionally, our **EZgap™ XG10** surface-applied gasket is UL10C approved for excessive gaps up to 1/4" for 90-minutes on hollow metal doors and 60-minutes on wood doors. The **XG10-HM** is for doors with gaps up to 5/16" and requires the **HSS90150XG** Intumescent for the top door channel.

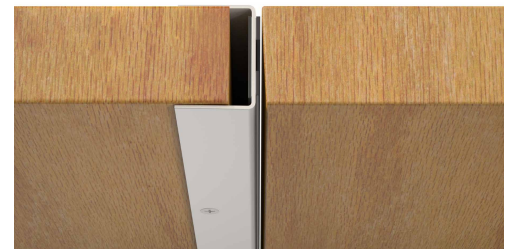


EGA305XGSS

EZGap XG10

### Middle of the opening

The **XG90SSME-KIT** is a meeting edge that goes on one leaf of double doors. It is certified for paired doors on both hollow metal and wood fire-rated doors, up to 90 minutes. This product meets UL10C requirements for excessive gaps up to 1/2", and is furnished with high performance intumescent products **HSS2000BL** and **HSS90BL**.



XG90SSME-KIT

### Bottom of the opening

Our patent-pending aluminum door shoe, **XG2212\_PK**, or stainless steel door shoe, **325XGSSN**, can be used on single or double doors with clearances in excess of 3/4" and up to 1-1/2" for up to 90-minute rated openings. It can easily be trimmed, drilled, or notched in the field for easy installation and maintenance.

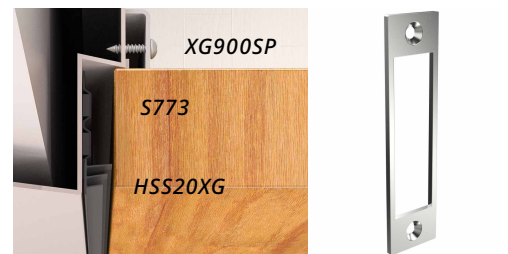


XG2212\_PK

325XGSSN

### Jambs/verticals

We offer multiple jamb/vertical products. The **XG90KIT** can be used on gaps in excess of 1/8" and up to 3/8" for 90-minute rated openings. The kit is comprised of **HSS20XGxS773** and **XG900SP**. **HSS20XGxS773** can also be used independently for 60 minutes for gaps up to 5/16". As mentioned above, **EZgap XG10** gasket is also a suitable for jambs/verticals. Lastly, our **XGSHIM** latch shim goes on the frame, behind the strike plate, and covers gaps up to 1/4".



XG90KIT

XGSHIM

### Door and Frame

The **PemXGSeal™ Intumescent Caulk** fills holes in fire-rated doors to help prevent the spread of smoke and fire, while maintaining fire integrity and allowing for movement. It's rated for 90 minutes on both single and paired wood doors and can seal holes in doors up to an 1/2".



PemXGSeal

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