

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.



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Frequently Asked Questions, continued.

What solutions does Pemko offer for excessive gaps?

When any clearances of 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 90-minute rated openings.



Jambs/verticals

The XG90KIT solution can be used on gaps in excess of 1/8" and up to 3/8" for 90-minute rated openings. This solution can also be used as a perimeter gasket to include the top of the door as well, up to the 3/8" clearance.



Bottom of the opening

Our patent-pending aluminum door shoe, XG2212APK, or stainless steel door sweep an angle, 325XGSSN, can be used on clearances in excess of 3/4" and up to 1-1/2" for 90-minute rated openings.

Pemko's aluminum door shoe is the only product of its kind on the market. It can easily be trimmed, drilled, or notched in the field for easy installation and maintenance.



XG2212APK



325XGSSN