

Fire-rated doors are certified according to independent standards as indicated on the permanent fire certification label affixed to each door. To maintain the validity of this certification, the door installer must follow all of the standard installation instructions as well as comply with the following requirements.

**Edge Seals and Gaskets**

Building codes adopted in local areas may require the application of additional edge seals and/or gaskets. The following chart is provided for your convenience; consult your local building code official (or authority having jurisdiction) for applicable building codes and regulations.

	<b>Steel Fire Door (wood edged) 20-min rated</b>	<b>Steel Fire Door (steel edged) 20/45/60/90-min rated</b>	<b>Other Fire Doors (flush, stile &amp; rail, premium composite or molded wood, and fiberglass doors) 20/45/60/90-min rated</b>
<b>UL 10 (b) - Neutral Pressure Doors</b>	No edge seal or gasket is required for doors with fire label code "D2ON-BS." Category H gasket is required for doors with fire label code "D2ONH-BS."	Category H gasket is required. No edge seal is required.	Category H gasket is required for exterior doors. No edge seal or gasket is required for interior doors.
<b>UL 10 (c) - Positive Pressure Doors</b>	N/A	(a) Category G edge seal must be installed on the door edge or frame and Category H gasket must be installed on the frame per manufacturer's installation instructions, or  (b) Gasket which is eligible for both Category G and H can be installed in lieu of (a) above, or  (c) Pemko S88 or S52 can be installed in lieu of (a).	Category G edge seal must be installed on the door edge or frame per manufacturer's installation instructions. Category H gasket is required for exterior doors.
<b>UBC 7-2 (97) Part 2 - Smoke and Draft Control Doors</b>	N/A	Category H gasket is required.	In addition to Category G edge seal, Category H gasket must be installed on the frame per manufacturer's installation instructions.
<b>CAN/ULC S104 (Canada)</b>	Category H gasket is required. No edge seal is required.		

**Vision Panel**

Vision panels are permitted in all fire doors (except wood-edged steel doors) using a listed and labeled light kit. To ensure a proper gasket seal, vision panels must be installed to lie on a flat surface of the door; do not cut across profiles when positioning a light kit. The rating of the light kit, in minutes, must coincide with the rating of the fire door. Light kits must be installed per manufacturer's installation instructions.

**Frame**

The door slab must be installed in a fire rated frame to match installed door. The frame must have a minimum fire-rating equivalent to the rating of the door. Frames must be installed plumb, square and level. Follow frame manufacturer's installation instructions.

**Clearances**

Clearances between the steel door edge and the frame must be at least 1/16 inch and no greater than 3/16 inch at the header and jambs. Other fire door clearances must be at least 1/16 inch and no greater than 1/8 inch. Trimming is not allowed in the field unless allowed by NFPA 80 standard.

**Latch**

Fire rated latch-sets that fit the latch cut-out per hardware template are required. Follow the latch manufacturer's installation instructions.

**Closer**

Listed surface mounted door closer may be installed using through bolts. Backer plate is recommended. If wood screws are the desired fastener, appropriate blocking must be manufactured in the door construction. Follow the closer manufacturer's installation instructions.

**General**

Frame, hinges, passage sets, and hardware must be fire rated and installed in accordance with manufacturer's installation instructions and NFPA 80 standard. Surface mounted hardware must be attached with through bolts unless inner blocking is provided.