



POSITIVE PRESSURE FIRE DOORS BROCHURE

What You'll Find In This Brochure

- For Positive Pressure With Aesthetic Appeal, Your Edge Is Positively VT
- VT Fire Doors Meet UBC 7-2-1997 Requirements for Positive Pressure
- Positive Pressure Burn Cycle
- An Explanation of UBC 7-2-1997 Positive Pressure Fire Doors
- Negative Pressure and Positive Pressure Airflow
- How to Specify



To order, simply fill out our literature request form online.

For Positive Pressure With Aesthetic Appeal, Your Edge Is Positively VT.

New fire door requirements are now code per UBC 7-2-1997. Positive pressure testing more accurately reflects real fire conditions. VT Industries has responded with door construction that addresses life safety standards, while maintaining the visual integrity of the total opening.

The VT fire label is your assurance that door construction meets your specification. Trusting your order to VT means that doors arrive on the jobsite completely ready to hang! Most other fire door systems require application of an exposed intumescent to the door jamb. Innovative VT engineering has built all the positive pressure requirements into our doors making installation simple and risk-free.

VT SolidStyle™ wood veneer and PermaClad® decorative laminate doors enable you to preserve an elegant total opening appearance. Plus, we've kept the VT Edge finish detail you've come to expect. Take one look and you'll agree, that for positive pressure fire door requirements with aesthetic appeal, Your Edge is Positively VT.

The VT label is your assurance that doors meet positive pressure fire door requirements.



VT INDUSTRIES INC.
ARCHITECTURAL WOOD DOORS
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1000 INDUSTRIAL PARK
HOLSTEIN, IA 51025



VT Fire Doors Meet UBC 7-2-1997 Requirements for Positive Pressure.

Maximum Door Sizes:

(20-90 minute in hollow metal frame)

- Singles up to 4-0 x 9-0
- Single egress pairs up to 8-0 x 9-0
- Double egress pairs up to 8-0 x 8-0
- Approved Face Materials:
- Wood Veneer
- Decorative Laminate (HDPL)
- Medium Density Overlay (MDO)

Approved Hardware:

- Mortise Locks
- Cylindrical Locks
- Card Locks
- Surface-mounted Vertical Rod Exit Devices
- Concealed Vertical Rod Exit Devices
- Rim Exit Devices
- Deadbolts
- Protective plates to 48 inches
- Standard Hinges or Continuous Hinges
- Flush Bolts

20-, 45-, 60-, AND 90-Minute Fire Doors:

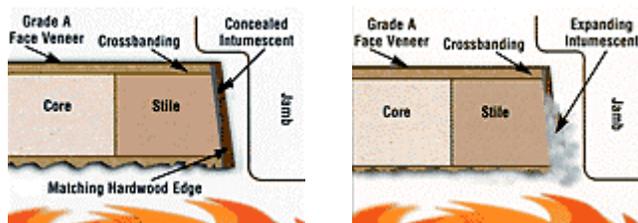
- Meets ITS/Warnock Hersey Category A guidelines. No additional edge-sealing system required.*
- To achieve "S" rating, a fire-rated smoke gasket (to be supplied by others) must be applied around perimeter of frame.
- Plant-on mouldings.
- Fusible link louvers up to 24" x 24" or 576 square inches.

Lite Kits:

- Lite kits approved for UBC 7-2-1997 positive pressure application.
- 20-minute and 45-minute fire doors can utilize up to 1,296 square inches for lites.
- 60-minute and 90-minute fire doors can utilize up to 100 square inches for lites.
- Larger lite sizes available using special materials.

*Where smoke and draft control is required by local codes, an approved smoke gasketing must be added to the frame.

Positive Pressure Burn Cycle



An Explanation of UBC 7-2-1997 Positive Pressure Fire Doors.

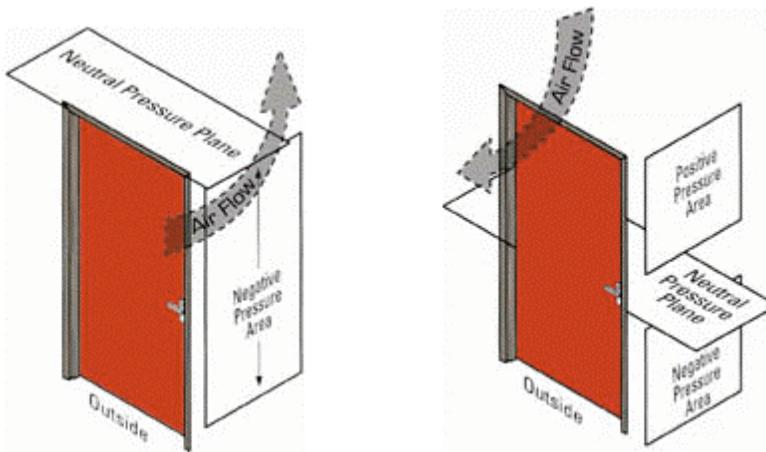
With the acceptance of 1997 Uniform Building Code (UBC) 7-2, the International Conference of Building Officials (ICBO) has dramatically changed the standards for design, testing and certification of fire-rated opening protection systems to more accurately reflect real fire conditions. Testing under the new Positive Pressure standards starts with the fire test furnace pressure-controlled so that the neutral pressure plane is held at 40" above the sill for door assemblies.

The language of the new UBC standards requires labeling of the assembly for compliance. This means in order for a door to be labeled in compliance with UBC 7-2-1997, the labeler needs to know additional details of the final installation including hardware, frame type, lite kit and gaskets to be used.

In any local jurisdiction having accepted UBC 7-2-1997, positive pressure fire doors must be used. It is the responsibility of the individual coordinating the order for opening assemblies to notify manufacturers of this requirement. The code may be written into the project specifications; however, an omission in the specification does not mean neutral pressure fire doors will be accepted on site. If the local governing authority has accepted UBC 7-2 1997, positive pressure components for fire-rated openings must be provided, including fire doors. In order for the manufacturer to provide the proper construction and fire label, this information must be communicated by the project coordinator or distributor at time of bid.

Assistance with technical information provided by Intertek Testing Services (Warnock Hersey), Madison, Wisconsin.

Negative Pressure and Positive Pressure Airflow



How to Specify

"Where UBC 7-2-1997 requirements for positive pressure must be met, doors shall include all requirements as part of the door construction per Category A guidelines as published by ITS/Warnock Hersey. No intumescent is allowed on the frame. Only smoke gasketing applied around the perimeter of the frame to meet the "S" rating is permissible."

As research and testing continue, new approvals will be forthcoming. Please contact us for updated information.

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