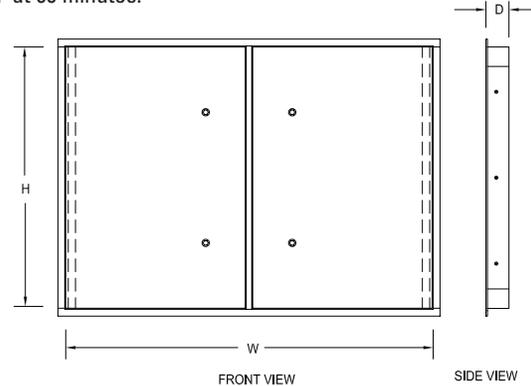


VAN-MET® MODEL FDL-250 - Three Hour Fire-Rated Insulated for Wall or Ceiling Application

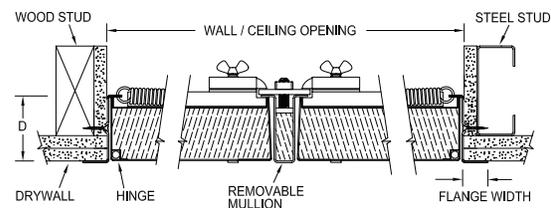
manufactured to the VAN-MET® design standard



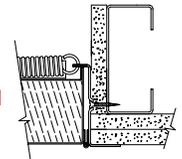
Model FDL-250 wall and ceiling fire-rated panels are manufactured under the factory inspection service of Intertek (Warnock Hersey) and have a label reading: "Listed access frame and insulated fire door assembly **3 hour fire rating. Vertical and Horizontal Installation.** Temperature rise maximum 43° C / 77° F at 30 minutes, 149° C / 268° F at 60 minutes."



- The largest three hour ceiling door available on the market, offering architects and engineers unprecedented flexibility in designing.
- Tested and listed by Intertek (Warnock Hersey) for a three hour fire rating.
- Removable center mullion allows for a larger free area.
- Double leaf reduces the swing radius and clears objects which interfere with the opening of the door.
- Designed to provide additional strength when large rigid doors are necessary.
- Larger and smaller door sizes are available with the double leaf feature.
- Maximum hinge length in a ceiling or wall position in a double leaf door is 1219mm (48").
- Optional: Central two point latch operator (phone for details).
- Exterior appearance is compatible with the non-rated and fire-rated Van-Met access door line.



Optional
Piano hinge is required after a certain size (see specifications).



Materials

Satin finish galvanized steel or 304 stainless steel
 Frame - 1.61mm (16ga) steel up to and including 762mm x 1219mm (30" x 48")
 Frame - 1.99 mm (14ga) steel greater than 762mm x 1219mm (30" x 48")
 Panel - 1.31mm (18ga)
 Liner - 0.85mm (22ga)

Insulation

The door panel contains 63mm (2 1/2") of high temperature insulation material between a 1.31mm (18ga) steel panel and a 0.85mm (22ga) steel liner.

Non-Combustibility Classification:

CAN/ULC S114, ASTM E136
 CAN/ULC S102
 ASTM E84, UL723
 Flame Spread 0
 Fuel Contribution 0
 Smoke Developed 0

Finishes

The paint finish is an electrostatically applied rust inhibitive prime coat or a No. 4 polished stainless steel finish on the exterior surface.

Standard

Removable center mullion

Hinges

The concealed continuous rod hinge is designed to secure the door panel. The hinge is placed on the "H" dimension.

Optional Hinge

Continuous piano hinge
Note: Greater than 1219mm (48") in a wall position a continuous piano hinge is standard.

Panel Closer

The automatic panel closer will close and latch the door from an open position of approximately 90° as required by code.

All Van-Met® Fire-Rated Access Doors are manufactured to this criteria and do not require any auxiliary springs.

Latch

The standard factory installed latch is a flush mount 1/4" allen key. All fire-rated locks are self-latching and include an interior latch release mechanism allowing the doors to be opened from the inside. The interior latch release is standard on doors including and exceeding 406mm x 406mm (16" x 16"). Under 406mm x 406mm (16" x 16") by request only.

Optional Latches

Raised knurled knob
 Non-locking handle

Optional Lock

1 1/8" mortise prep complete with mortise cylinder

Optional

1 1/8" mortise prep only
 Locking "T" handle (Door inoperable from inside.)

Flange

Exterior flange
 Width - 22mm (7/8") up to and including 914mm x 914mm (36" x 36")
 Width - 32mm (1 1/4") when greater than 914mm x 914mm (36" x 36")

Frame Depth

"D" = 83mm (3 1/4")

Ordering

When ordering, please specify wall or ceiling application.
 Please order by rough opening size.
 These door are non-returnable.

Installation

The frame is manufactured with mounting holes. Factory installed anchor straps are available for masonry, upon request.

See size and weight chart on page 47.