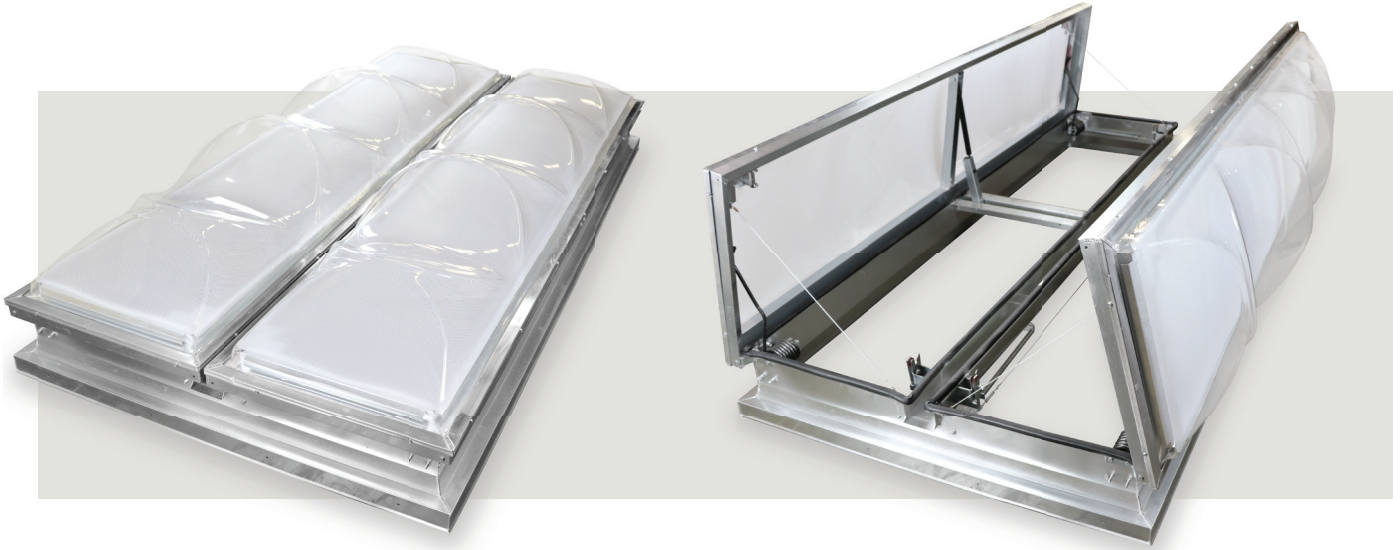


Smoke Vent Storage, Installation, Operation and Maintenance



Overview

Smoke vents are installed in buildings as an active fire protection measure. They open automatically when a fusible link is melted by fire or heat.

Unpacking and Storage

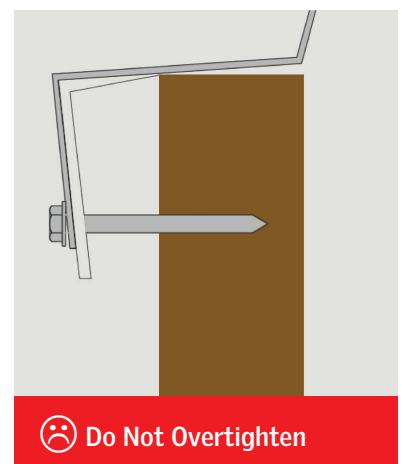
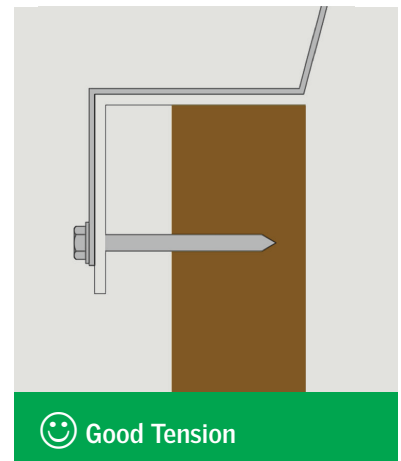
- Warning: the smoke vent doors are under tension and they will spring open if manual D-handle is pulled or fusible melt-out link is exposed to high heat.
- Follow OSHA fall protection guidelines when operating and working near smoke vents
- Store smoke vents in manufacturers original packaging until ready to install
- Do not store smoke vents directly on asphalt pavement outside of manufacturers packaging crate.

Disposal

- Consult local jurisdictions and authorities for recycling and proper disposal of removed smoke vent packaging materials.

Installation

- 1 Check all Openings against the shop drawings to confirm that they meet dimensional requirements of +/- 1/8".
- 2 Inspect all membranes and roof curb applications that are installed to the top of the curb surface.
- 3 Seal the top of the smoke vent curb with sealant to prevent wind driven rain or dust from entering between curb and smoke vent.
- 4 Place the smoke vent on the curb and maintain an equal space between the smoke vent flange and outside of the curb. Shim flange at fastener locations to prevent bending or warping of smoke vent frame.



- 5 While pressing down on smoke vent frame install fasteners with a neoprene washer in each hole provided. Use only enough torque to seat washer against smoke vent frame. **DO NOT OVER TORQUE FASTENERS**, causing the smoke vent flange to bend and not function properly.
- 6 Select fasteners to ensure adequate compatibility and anchoring strength for the curb material used (i.e. wood, steel, concrete, etc.). Fasteners should penetrate a minimum of $\frac{3}{4}$ " into curb. The anchoring should fit the application with respect to roof construction and related design loads.
- 7 Smoke vents are designed to meet environmental loads and are not designed to support body weight. Never subject the smoke vent or the glazing in these products to other loads.
- 8 It is the installer's responsibility to correctly install and seal the entire smoke vent using appropriate roof waterproofing or flashing installed properly for the application and roofing system used.
- 9 Perform an acceptance inspection of smoke vents immediately after installation.

Operation

- Smoke vents are for use by authorized fire safety personnel only, in the event of an emergency. If the smoke vents need to be opened for inspection by authorized fire personnel, contact VELUX for assistance by factory representatives. Smoke vents are designed for emergency smoke and heat evacuation only. Other uses are not recommended, may damage the smoke vent and will void the warranty.
- To avoid risk of injury stand clear of the smoke vent and do not place objects on top of the smoke vent.
- Emergency Operation: Smoke vents will open automatically in the event of a fire when the fusible link melts at its rated temperature (165°F, 286°F, 350°F, 360°F, 370°F, and 386°F).
- Follow OSHA fall protection guidelines when working near smoke vents. To avoid risk of injury, stand clear of the smoke vent and do not place any objects on top of the smoke vent. Fusible links should be inspected annually for evidence of corrosion.

Maintenance

- Abrasive cleaners and some window cleaning compounds will scratch the surface of acrylic sheets. Do not use solvents such as methyl alcohol, toluene, acetone, chlorinated solvents, dry-cleaning solutions, lacquer thinners, gasoline, etc., since they may damage the surface.
- Ordinary dust and dirt can be removed with a soft, grit-free cloth, dampened with mild detergent water. Grease or oil deposits usually can be removed with naphtha or isopropyl alcohol. (Caution: both naphtha and isopropyl alcohol are very flammable, high relatively low flash points, and are easily ignited. Use only in a well-ventilated area.) After cleaning with naphtha and alcohol, wash with mild detergent and water, and dry with a soft cloth.
- If fusible links need to be replaced, Contact VELUX at 1-800-888-0361 or velux.solutions@velux.com.