

## Smoke and Heat Vents

CrystaLite's Smoke and Heat Vents allow for the release of rising heat, smoke, and other harmful gases during the event of a fire. Smoke vents are a vital aid for firefighters extinguishing a building fire - and greatly improves visibility during and after a fire, which is crucial for search and rescue.

Framing members are made with aircraft grade 6063-T5 aluminum with welded corners on internal and external framing members which provides maximum durability and a weather tight enclosure - and consists of all stainless steel components for superior corrosion resistance.

### Standard Smoke Vents



- UL 33 Listed fusible links. Available in 135, 165, 212, 350, 360, 370 and 386 degrees F.
- Exterior manual release lanyard included.
- Interior release lanyards are also available upon request.
- Interior fall protection screens available.
- Dynamic (Impact) Load Test : 800 lbs
- Static Load Test : 1,038 lbs
- Single Lid - Double Dome Glazing

### Double Dome Glazing

Copolyester Outer Dome complies with the following:

- Rate of Burn, per ASTM D 635: CC1 classification
- ICC-ES listings as CC1 approved plastic complying with Section 2606.4 of the IBC
- ANSI Z97.1 Safety Glazing Requirements
- Miami-Dade County Product Notice of Acceptance-Plastics
- Light-transmitting plastic in accordance with Section 2608 of the IBC
- Weathering data in accordance to ICC-ES AC16

Inner Dome complies with the following:

- ICC-ES listings as CC2 approved plastic complying with Section 2606.4 of the IBC
- ANSI Z97.1 Safety Glazing Requirements
- Underwrites Laboratories (UL) listings as UL 94HB and UL746 Compliant
- Miami-Dade County Product Notice of Acceptance-Plastics
- ASTM D-4802 B-1 Plastics

### UL 793 CERTIFIED

#### Double Lid Smoke Vents



- Listed and Certified to UL 793
  - 250 full stroke cycle testing without damage
  - 155 mph (60 psf) wind uplift load - 5 time cycle without damage
  - Operates with additional 184 lb uniform static snow load
  - Undamaged after dynamic 100 lb. drop bag impact from a height of 4 feet.
  - Class 30 and Class 60 roof system rating
- UL 33 Listed fusible links. Available in 135, 165, 212, 350, 360, 370 and 386 degrees F.
- Exterior manual release lanyard included.
- Interior release lanyards are also available upon request.
- Interior fall protection screens available.
- Dynamic (Impact) Load Test : 800 lbs
- Static Load Test : 1,038 lbs
- Double Leaf Lid - Double Dome Glazing

### NFRC - Energy Performance Properties

Tested in accordance to ASTM C 1363 per NFRC requirements, NFRC 201 procedures, and ASTM E 972 / ASTM E 1084.

#### Plastic Double Glazing:

	U-Factor	SHGC	VT
Clear / Clear	0.60	0.75	0.77
White / Clear	0.60	0.52	0.43

### Mounting Options

- Curb Mount - Standard
- Self-Flashing Insulated Curbs - Available
- Fall Protection Safety Grids - Available