

OMG Roofing Products  
153 Bowles Road  
Agawam, Massachusetts 01001  
Toll Free 800-633-3800  
Fax 413-821-0417  
Website [www.olyfast.com](http://www.olyfast.com)  
E-mail [info@olyfast.com](mailto:info@olyfast.com)

## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The CSI Construction Specifications Practice Guide*.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers are from *MasterFormat 2011 Update*.

### SECTION 07 22 23

#### ROOFTOP PRESSURE RELIEF VENTS AND BREATHERS

Specifier Notes: This section covers OMG Roofing Products "One-Way Vents" and "Two-Way Breathers" rooftop pressure relief vents and breathers. Consult OMG Roofing Products for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Rooftop pressure relief vents.
- B. Rooftop breathers.

##### 1.2 RELATED REQUIREMENTS

- A. Section 07 22 00 – Roof Accessories.

### **1.3 REFERENCE STANDARDS**

- A. National Roofing Contractors Association (NRCA)
- B. Canadian Roofing Contractors Association (CRCA)

### **1.4 SUBMITTALS**

Specifier Notes: Edit submittal requirements as necessary. Delete submittals not required.

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, materials, hardware, and installation layout including sizes and spacing.
- D. Samples: Submit manufacturer's sample of rooftop pressure relief vents and breathers.
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- F. Warranty Documentation: Submit manufacturer's standard warranty.

### **1.5 QUALITY ASSURANCE**

- A. Manufacturer's Qualifications: Manufacturer regularly engaged, for past 5 years, in manufacture of rooftop pressure relief vents and breathers of similar type to that specified.

### **1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
  - 1. Store and handle materials in accordance with manufacturer's instructions.
  - 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
  - 3. Store materials in clean, dry area indoors.
  - 4. Protect materials during storage, handling, and installation to prevent damage.

## **PART 2 PRODUCTS**

OMG One-Way Vents  
OMG Two-Way Breathers

## **2.1 MANUFACTURER**

- A. OMG Roofing Products, 153 Bowles Road, Agawam, Massachusetts 01001. 800-633-3800. Fax 413-821-0417. [www.olyfast.com](http://www.olyfast.com). [info@olyfast.com](mailto:info@olyfast.com).

## **2.2 ROOFTOP PRESSURE REILEF VENTS AND BREATHERS**

- A. One-Way Vent: "OlyVent"
  - 1. Height: 8 inches.
  - 2. Base Diameter: 11 inches.
  - 3. Stack Diameter at Base: 5 inches.
  - 4. Body Thickness: .051 aluminum.
  - 5. One-way Valve Material: Duro Nitrile.
  - 6. Vent Hole Quantity: 8
  - 7. Vent Hole Sizes: ½ inch diameter.
  - 8. Cap Diameter: 4 inches.
  - 9. Cap Markings: One-way.
  - 10. Cap Thickness: .051 aluminum.
  - 11. Venting Volume (CFM): 2.8.
- B. Two-Way Breather: "Breather"
  - 1. Height: 8 inches.
  - 2. Base Diameter: 11 inches.
  - 3. Stack Diameter at Base: 5 inches.
  - 4. Body Thickness: .051 aluminum.
  - 5. Breather Hole Quantity: 8
  - 6. Breather Hole Sizes: ½ inch diameter.
  - 7. Cap Diameter: 4 inches.
  - 8. Cap Markings: Two-way.
  - 9. Cap Thickness: .051 aluminum.
  - 10. Breather Volume (CFM): 2.8.
- C. PVC Coated Flange Option:
  - 1. Heavy duty, heat weldable PVC coating.
  - 2. Baked on, 4 inches wide to entire top of vent base.
  - 3. Allows for applicators to directly heat weld to flange creating permanent bond.
- D. TPO Coated Flange Option:
  - 1. Heavy duty, heat weldable TPO coating.
  - 2. Baked on, 4 inches wide to entire top of vent base.
  - 3. Allows for applicators to directly heat weld to flange creating permanent bond.
- E. EPS Insulation Insert Option:
  - 1. A foam insert designed to prevent moisture from condensing on inside of vent stem.

## **PART 3 EXECUTION**

OMG One-Way Vents  
OMG Two-Way Breathers

### **3.1 EXAMINATION**

- A. Examine rooftop and roof cover to receive rooftop pressure relief vents and breathers.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

### **3.2 PREPARATION**

- A. "OlyVent" and "Breather" may be used as a template for cutting flashing felts or membrane by simply placing vent upside down and scribe a mark around vent cap.

### **3.3 INSTALLATION**

Specifier Notes: The following is a placement recommendation. Final installation placement is by the recommendation of professional engineers and roof cover manufacturer as well as using a proper combination of one-way vents and breathers

- A. Spacing: 1 every 1,000 square feet.
- B. Cut a 4 inch diameter opening through membrane and insulating material. Remove membrane and material to vapor barrier or deck.
- C. Attach vent to roof deck with appropriate fastener.
- D. Flash in accordance to roof cover manufacturer's instructions.
  - 1. For BUR & Modified Bitumen roof covers refer to roof cover manufacturer's flashing instructions.
    - a. CAUTION: Do not apply direct flame of torch to area of vent stack. Excessive heat will damage the one-way valve inside of vent.
  - 2. For PVC and TPO coated OlyVents and Breathers, refer to roof cover manufacturer's flashing instructions.
  - 3. For EPDM roof covers refer to roof cover manufacturer's flashing instructions.

### **3.4 PROTECTION**

- A. Protect installed rooftop pressure relief vents and breathers to ensure that, except for normal weathering, rooftop pressure relief vents and breathers will be without damage or deterioration at time of Substantial Completion.

**END OF SECTION**