# *raft-R-mate*®
# Attic Rafter Vents with Optional Air Stop/Insulation Block

## Product Data Sheet

| Specifications | |
|---|---|
| Dimensions | 22.5" x 48" |
| Air Channel Depth[1] | 1.5" |
| Net Free Air Flow[1] | 22.3 sq. inches |
| Material | Extruded Polystyrene |

[1]Underwriters Laboratories, Inc. Classified Product - see Certificate U-210

| Packaging | |
|---|---|
| Vents per Carton | 75 pc |
| Cartons per Pallet | 24 ct |
| Vents per Pallet | 1,800 pc |
| Vents per Truck | 21,600 pc |

### Ventilation of Unheated Attics or Cathedral Ceiling Rafter Cavities

Owens Corning's *raft-R-mate* attic vent is an extruded polystyrene foam vent designed to assure unrestricted airflow from the soffit to the ridge vent. Additionally, *raft-R-mate* attic vent has an optional bend down air stop/insulation block at the top plate of the wall. The optional air stop/insulation block prevents loosefill insulation from filling the eave space during installation of cathedral ceiling or attic floors, by closing off the opening below the *raft-R-mate* attic vent to the soffit. It also helps to prevent "wind wash" which can cause attic insulation to be blown back off of the top plate causing unwanted heat loss around the perimeter of the attic.

Typically building codes require that unheated attics or cathedral ceiling rafter cavities be provided with a minimum amount of ventilation. Ventilation is typically provided by some combination of gable, ridge and soffit vents. Inadequate ventilation may lead to excess heat and humidity in the attic or rafter cavity. These conditions may lead to the deterioration of the roofing materials and deck, insulation, structural framing members, or interior ceiling finishes.

### Required Vent Area

For attics, the Federal Housing Authority (FHA) and building codes require a minimum net free vent area of 1 sq. ft. of ventilation for every 150 sq. ft. of attic space (1:150). This ratio can be reduced to 1:300 if a balanced soffit and ridge vent system or a properly placed vapor retarder is utilized.

For rafter cavity spaces, codes typically specify a required minimum air space, of 1", between the insulation and the roof sheathing. Check local building codes for specific requirements.

### *raft-R-mate* Rafter Vents

- Maintain ventilation through thickest part of insulation
- Ventilation channel and air stop/insulation block in one easy to install product
- Resist moisture; will not rot or deteriorate
- Improve year-round comfort
- Increase the life of the roof
- Are durable and break-resistant
- Meets new energy code requirements for attic ventilation
- Install quickly and easily
- Work in both new and retrofit construction

### Installation

Installed properly against the underside of the roof deck, between roof trusses or rafters, *raft-R-mate* attic vent will provide in excess of a 1" air space. Fibrous insulation can be installed directly against the surface of *raft-R-mate* attic vent and *raft-R-mate* attic vent will maintain a free airflow channel from the eave vent to the ridge or gable vents. Due to its symmetrical design, *raft-R-mate* attic vent can be split in half for 12" and 16" o.c. rafter spacing, or if required for retrofit or cathedral ceiling applications.

### Installing Loosefill or Batt Insulation on Attic Floors

1. A single 4' length of *raft-R-mate* attic vent should be installed in each rafter or truss space, at the ceiling line, to insure that the airway between soffit and attic space remains open.
2. The vent should extend some distance beyond the top of the horizontal fibrous insulation.

*raft-R-mate*®

# Attic Rafter Vents with Optional Air Stop/Insulation Block

## Product Data Sheet

3. Optional air stop/insulation block. Bend down at the accordion hinge. Fit tightly over the top plate and staple to the top plate.

### Installing Rafter Cavity Insulation in Cathedral Ceilings

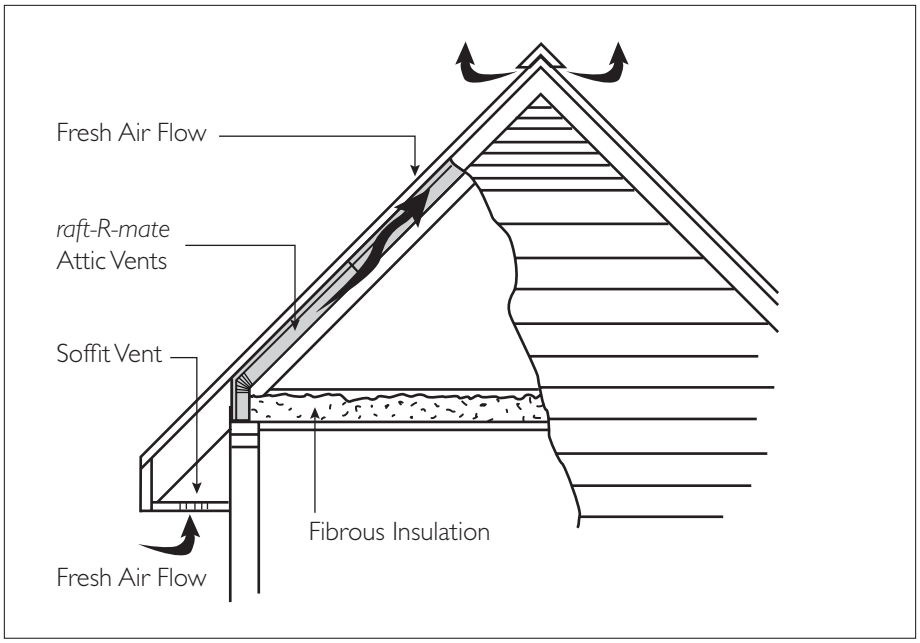
1. Install *raft-R-mate* attic vent in each rafter cavity beginning at the soffit area, to assure the vent remains open, continue up the cavity to the ridge vent or to a common air space.

2. Optional air stop/insulation block - When installing, bend down and staple the insulation block to prevent air from entering and insulation going out the soffit.

3. *raft-R-mate* attic vent should be installed with an approximate 2" gap between the ends of adjacent batts to allow moisture to escape more readily into the air channel.

4. Install cavity batt insulation so that the ends of the insulation do not occur in the area of the 2" gap. This precaution minimizes the potential of the insulation expanding into the air channel and restricting airflow.

5. When installing loosefill into a cathedral cavity reduce the gap between the ends of the adjacent sections of *raft-R-mate* attic vent to ½"




**Note:** When prolonged outdoor cold temperatures, or higher interior humidity conditions are expected, a vapor retarder, such as asphalt kraft paper, should be installed on the room side of the rafter batt to reduce the intrusion of moisture into the attic or rafter cavity.

**Note to Builders and Consumers:** Always check with your local building department for required ventilation area in attics and rafter cavities, requirements for vapor retarders, and the acceptability of *raft-R-mate* attic vent for the planned application.

### Technical Information

1-800-GET-PINK™

For more information on the Owens Corning family of home building products, contact your Owens Corning dealer or call: 1-800-GET-PINK™.

### Caution

Combustible. Although *raft-R-mate* attic vents meet building code requirements of ≤ 75 flame spread and ≤ 450 smoke developed, this product will ignite if exposed to fire of sufficient heat and intensity.


METRO SUPPLY COMPANY
TWELVE ANDREWS DRIVE
WOODLAND PARK, NJ 07424
1-888-75-METRO®
www.metrosupplycompany.com



Pub. No. 102899-C. Printed in U.S.A. October 2007.