



ATTIC VENTS & JOIST PLUGS

by Benchmark Foam

Maximizing energy savings in small spaces

Proper attic ventilation and insulation is an important part of any roofing system. To ensure the homeowner receives quality products and superior energy savings, use **Attic Vents and Joist Plugs** from Benchmark Foam.

With the customization capabilities to fit even the tightest corners, Attic Vents and Joist Plugs can solve any ventilation need.

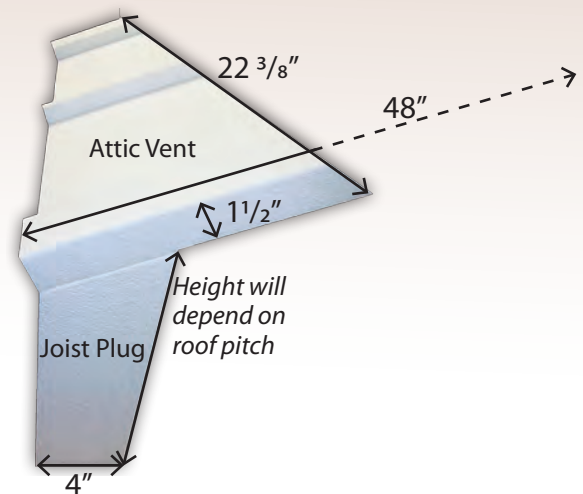
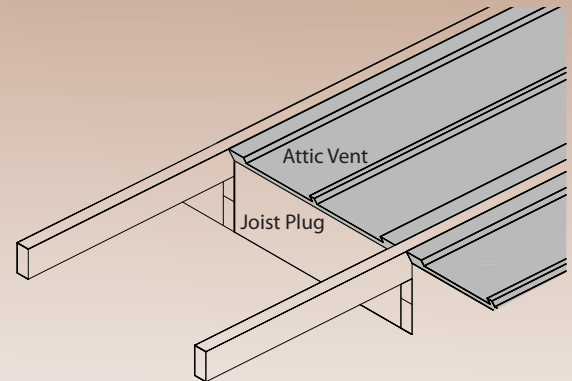
Attic Vents & Joist Plugs:

- Allows moisture to be removed, preventing problems such as ice dams or mold.
- Reduces exterior wind flow to better protect loose fill or blanket insulation.
- Creates a channel for air flow, reducing heat loss in the winter and heat gains in the summer.
- Offers an R-Value of approximately R-4 per inch.
- Accommodates standard or raised heel trusses, allowing additional room for insulation resulting in increased energy savings.
- Adaptable to local building code requirements for attic ventilation.

Specifications:

- Dimensions:
 - Attic Vent: 48" x 22 3/8" x 1 1/2"
 - Joist Plug: height x 22 3/8" x 4"
(Height will depend on roof pitch)
- Attic Vents provide two 3/4" x 8 3/4" pathways for adequate air flow.
- Joist Plug height can accommodate any roof pitch.

See reverse for technical data.



Attic Vent & Joist Plug Technical Data

Property	Units	ASTM Test	Values Meet or Exceed ASTM C578
Density, min.	lbs/ft ³	C303 or D1622	0.90
Thermal Resistance "R Value"	Four inches thick	C177 or C518	@ 40° F 16.7 @ 75° F* 15.4
Strength Properties, minimum			
Compressive (@ 10% deformation)	psi	D1621	10.0
Flexural	psi	C203	25.0
Moisture Resistance			
Water Absorption (by total immersion, max.)	vol %	C272	4.0
Oxygen index, min.	vol %	D696	24.0
Flame Spread @ 6"		UL® (BRYX)	20
Smoke Development		UL® (BRYX)	300

All values are based on data from Flint Hills Resources, NOVA Chemical Company and BASF Corporation.

*Federal Trade Commission ruling: Use the 75° R-Value when calculating R-Values for residential construction (fact sheet available upon request).

Note: The higher the R-Value, the greater the insulating power. Ask your seller for the fact sheet on R-Values.

DESIGN CONSIDERATIONS:

Flammability: Like many construction materials, expanded polystyrene (EPS) is combustible. It should not be exposed to flame or other ignition sources. Current building code requirements should be met for adequate protection or separation from occupied areas.

Solvent Exposure: EPS is subject to attack by petroleum-based solvents and adhesives, and coal tar pitch products. Care should be taken to prevent EPS direct contact with these products and their vapors. Use only adhesives approved for EPS applications.

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605-886-8084 or 800-658-3444

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