

M-WELD™ Standard M-Vent™

Updated: 8/16



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*



M-WELD™

STANDARD M-VENT™ (1 OF 2)

Description

A Standard M-Vent™ is a spun aluminum vent, prefashed with modified bitumen. Standard M-Vents are designed to waterproof vent pipes and other roofing protrusions.

- A single size M-Vent™ will fit many different size pipes. M-Vents come in two stock sizes, 5" (127 mm), 9" (229 mm). Custom 12" (305 mm) and 14" (355 mm) M-Vents are also available.
- M-Vents are flashed with either APP or SBS modified bitumen membranes, smooth or colored granule surfaces, to accommodate most built-up and modified bitumen roofing projects. Unflashed M-Vents are also available.
- Packaging: 5" (127 mm) vents, 6 flashed or 50 unflashed per box; 9" (229 mm) vents, 5 flashed or 10 unflashed per box.

Uses

Note: Not for use over active pipes that emit steam or excessive moisture vapor; condensation may occur. Follow manufacturer's instructions. Not for use over boiler, heater, or furnace vent pipes.

- M-Vents can be used as a pipe cover to replace finger and cap flashing on standard vent pipe details.
- M-Vents make a quick and effective repair for cracked or leaky pipe flashing on existing roofs.

Uses (Continued)

- Standard M-Vents serve well as a two-way breather vent, allowing ventilating current both inside and outside the roofing system.

Advantages

- Factory assembly allows for a high degree of quality control over all roof flashing.
- Spun-aluminum design eliminates seams and soldered joints.
- Saves time and labor expenses through ease of installation, and eliminates call backs.
- Stress cracks are eliminated because M-Vents attach to the field membrane, not to the pipe, thus allowing for pipe movement and expansion/contraction of membrane.
- Offers consistent, neat appearance on all penetrations.

Technical Data

Vent Material Available:

- 0.064 Spun Aluminum Base
- 0.050 Spun Aluminum Cap

Flashing Material Available:

- APP Smooth
- APP Granulated
- SBS Smooth
- SBS Granulated

Component Material:

- SBS M-Boot™ (non-reinforced)



M-Weld™
Standard M-Vent™



M-WELD™

STANDARD M-VENT™ (2 OF 2)

Installation:

1. Install base sheet as specified, with base sheet fitted snugly against pipe.
2. Choose appropriate M-Vent™ material:
 - APP flashing material when using heat-welded membranes.
 - SBS when using hot mop or cold-applied membranes.
3. On new construction and reroofing:
 - Stretch the hole in the center of the M-Boot™ over the pipe or penetration and slide it down until it contacts the base sheet. This protects flames and asphalt from traveling down the pipe and into the insulation when installing the field sheet.
4. For APP smooth installation:
 - Heat the field sheet around the protrusion until it has a glossy sheen.
- For APP granulated installation:
 - Heat the surface until the granules start to sink into the molten compound.
5. Next, heat the bottom of the membrane attached to the M-Vent™ until it has a similar sheen.
6. Install the M-Vent™ over the pipe and place the two heated surfaces together:
 - Carefully center the pipe in the center of the M-Vent™ base.
 - While torching, work the flashing with a trowel and torch until a 1/4" (6 mm) to 3/8" (9 mm) bleed-out occurs around the outside of the flashing.
7. For SBS installation:
 - Spread hot asphalt or an SBS adhesive over the field sheet around the protrusion.
 - The M-Vent™ is placed over the pipe and seated in the asphalt or cold adhesive.
 - The flashing should then be troweled for a bleed-out, the same as with APP application.
8. If required, sprinkle granules into the bleed-out for a continuous granule appearance, or use a seam coating matching.
9. Caps must be permanently attached to the vent base with the self-tapping sheet metal screws provided.
10. On smooth surfaces, secure seams, and cover bleed-out by using TOPCOAT® MB Plus around the One Way M-Vent™ flashing.

Note: Sufficient roof drainage is essential for good roof performance and to avoid overloading the roof under heavy rainfall conditions. Ensuring that the size and number of drains is adequate for the roof area and location is the responsibility of the building owner or their roofing consultant.