

# Seal Around Chimneys and Flues

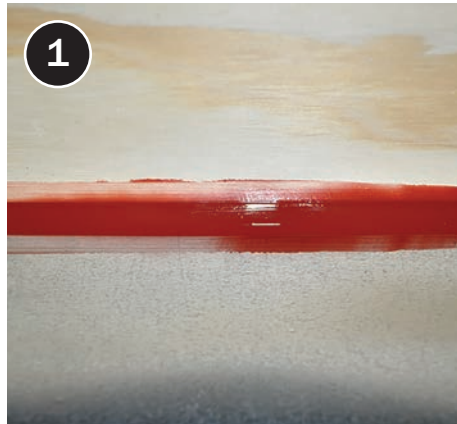
Job Aid for Seal and Dam High-Temperature Heat Sources in Attic Badge

Aligns with Standard Work Specifications 3.0102.2

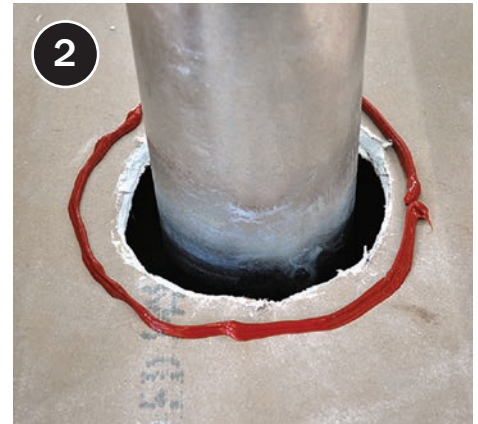
## BEFORE



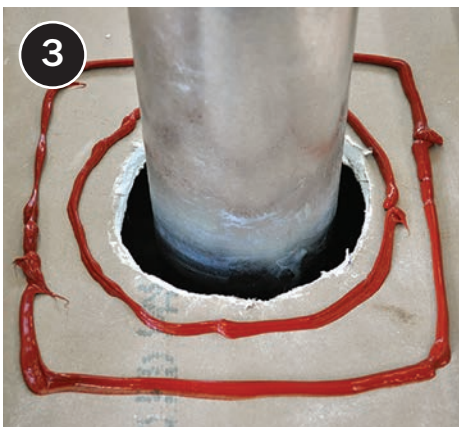
Clear insulation away from chimney or flue.



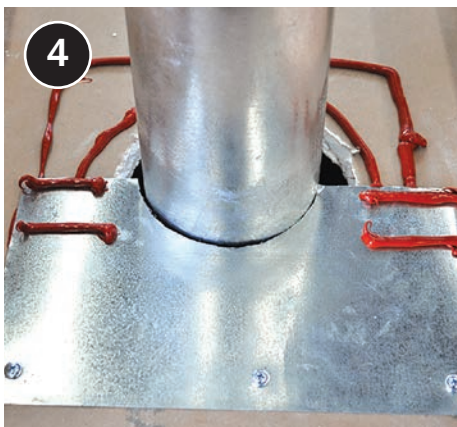
Select high-temperature caulk sealant that will remain flexible during temperature changes between materials.



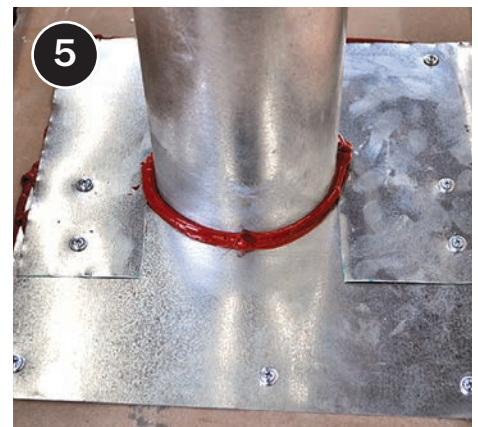
Apply an unbroken ring of caulk directly to clean decking to match the perimeter of sheet metal backing.



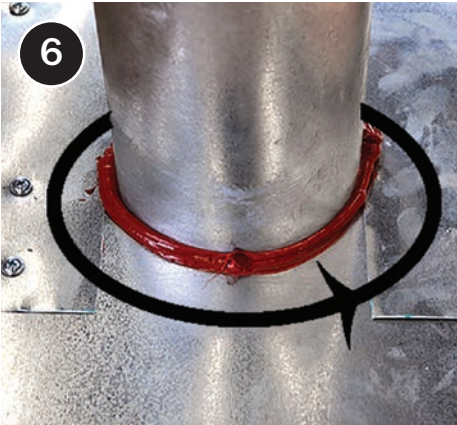
Install a second layer of caulk around the first.



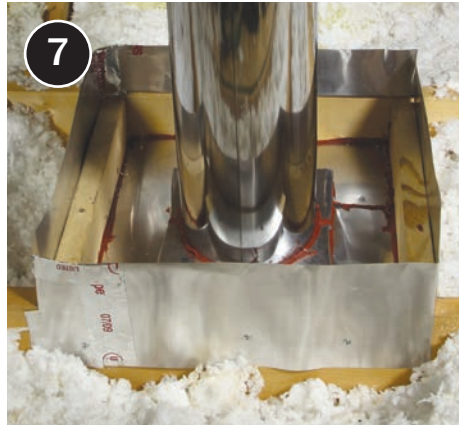
Set the first layer of sheet metal in place, leaving no more than a 1/4" gap around the chimney. Mechanically fasten the sheet metal to the adjacent framing and apply additional caulk where the second piece of sheet metal will overlap.



Set the second layer of sheet metal in place. Mechanically fasten the second piece of sheet metal to the first piece using 1/4" sheet metal screws, then secure the metal to the adjacent framing using longer screws.



Run bead of high-temperature caulk around the chimney and seal the edge of any remaining gaps to ensure an airtight seal.



Install a durable fixed dam, at least 2 inches higher than final insulation level, keeping all combustible materials at least 3 inches away from flue or chimney.

## CHECKLIST

# Seal and dam high-temp heat sources in attic

### DESIRED OUTCOME

Ensure safety from fire and prevent air leakage<sup>1</sup>

### Combustion Vents/Chimneys/Flues

- ☐ Worker can identify difference between high-temp flues and other vents (e.g., bath ventilation).
- ☐ Chases around high-temp flues are air sealed with approved materials.
- ☐ A durable fixed dam of approved materials is constructed around high-temp flues that:
  - ☐ Allows minimum 3" clearance (or the clearance specified by the authority having jurisdiction).
  - ☐ Stands at least 2" taller than final insulation levels.

1. Relevant Standards: 3.0102.2