



Air Seal a Floored Attic

Job Aid for Air Seal Attic Floor Badge

Aligns with SWS 3.0101.1



With property owner permission, remove flooring material to access cavities.



Remove only as much flooring as necessary to gain access to areas that require air sealing, electrical repair, or cavity insulation.



Place blocking material (sealed at edges) as needed to block open cavities and chases prior to adding insulation.



Air seal. Check for and air seal electrical, plumbing, and HVAC penetrations properly.



Reinstall the flooring after all work is complete.



Checklist

Air seal attic floor

DESIRED OUTCOME

Holes, penetrations, chases, cracks, gaps, and joints sealed to prevent air leakage and moisture movement between the attic and conditioned space.¹

Job Site Requirements²

- ☐ Existing insulation was removed as needed to access air sealing locations.
- ☐ All wall cavities are enclosed on all sides (e.g., have top and bottom plates). Additional blocking was installed where necessary.
- ☐ The following cracks, penetrations, and chases are sealed according to the work order to prevent air movement with the appropriate materials based on hole sizes according to the MATERIALS GUIDELINES table at right:
 - ☐ Top plates of all walls
 - ☐ Tongue and groove ceilings
 - ☐ Chases
 - ☐ Dropped soffits
 - ☐ Recessed lights
 - ☐ Plumbing vent pipes
 - ☐ Electrical penetrations
 - ☐ Exhaust fans
 - ☐ Dropped ceilings
 - ☐ Stairwells
 - ☐ Chimney/flue
 - ☐ Ductwork penetrations into attic
 - ☐ Any other holes/penetrations in the attic plane/boundary
- ☐ Work area cleaned.

AIR SEALING MATERIALS GUIDELINES

HOLE/GAP SIZE	MATERIALS/NOTES
1/4" or less (small)	Caulk
1/4" to 2" (medium)	One component foam or mastic with backer/mesh
2"-3" (large)	Two-component foam
3" or larger (extra-large)	Infill material installed that will not bend, sag, or move Support material (e.g., 2X4) installed for spans wider than 24"

1. Relevant Standards: 3.0101.1

2. High temp areas and attic hatches are addressed in separate badges.

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