

Success with 2009 IECC in Arkansas
Tech Tips for Builders

INSULATION





TECH TIPS: INSULATION

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1. For vented attics, install wind baffles on top of all exterior walls, leaving room for insulation over top plates and ventilation above.





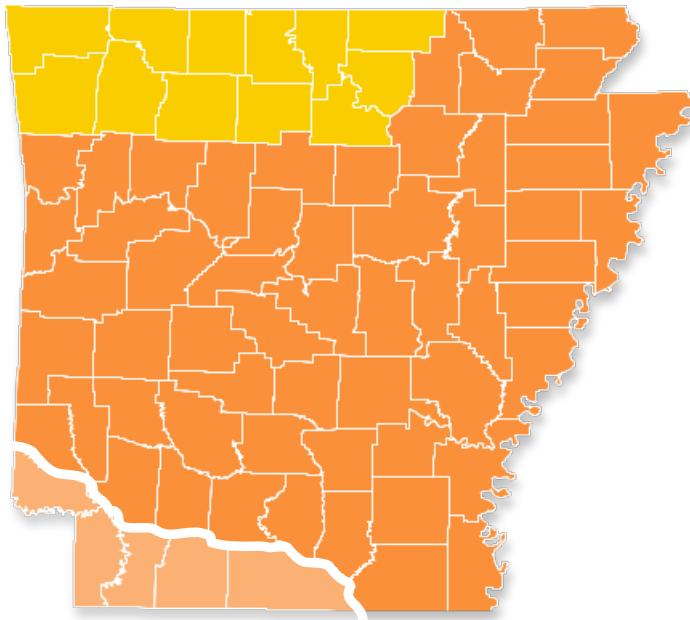
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- 4.** Install insulation to meet the 2009 IECC and Arkansas Energy Code R-value requirements.^a

CLIMATE ZONE	CEILING	FRAME WALL	MASS WALL ⁱ	FLOOR	BASEMENT WALL ^c	CRAWL SPACE WALL ^c	SLAB
Zone 3	R-30	R-13	R-5/8	R-19	R-5/13 ^f	R-5/13	0
Zone 4	R-30	R-13	R-5/10	R-19	R-10/13	R-5/13	0



- a. R-values are minimums. U-factors and SHGC are maximums.
- c. "5/13" means R-5 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.
- f. Basement Wall Insulation is not required in warm-humid locations.
- i. The second R-Value applies when more than half the insulation is on the interior of the mass wall.



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3. Install insulation to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.

X GAPS

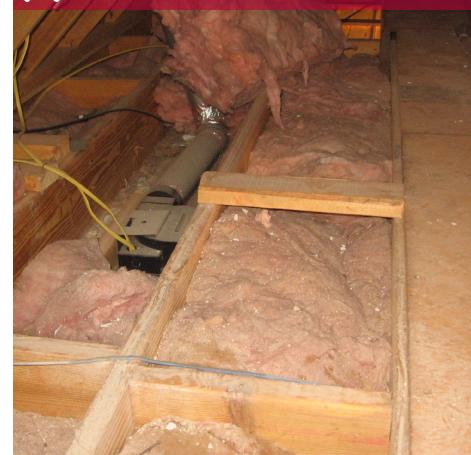


✓ NO GAPS

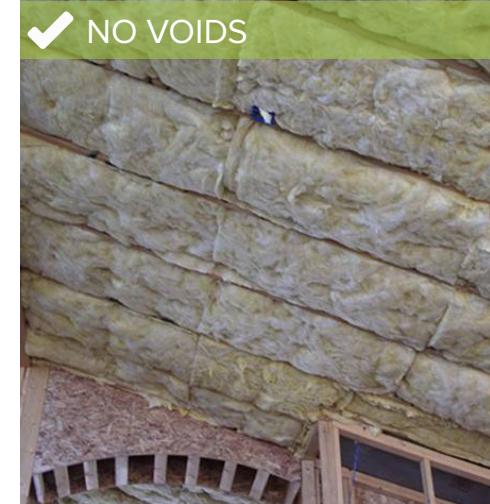


3. Install insulation to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.

X VOIDS



✓ NO VOIDS



3. Install insulation to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.

X MISALIGNMENT



✓ NO MISALIGNMENT



3. Install insulation to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.

X COMPRESSION



✓ NO COMPRESSION

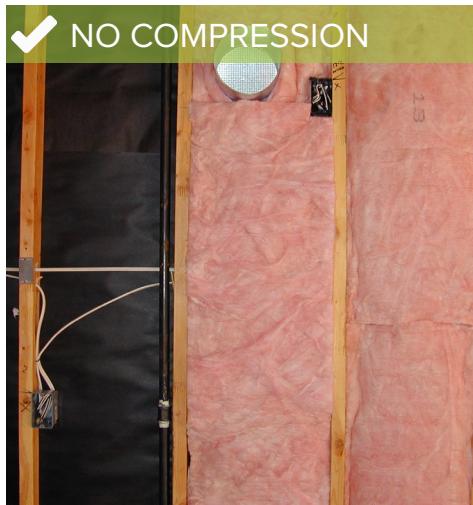




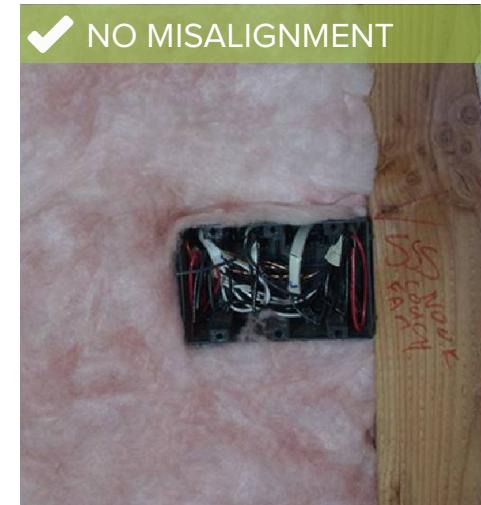
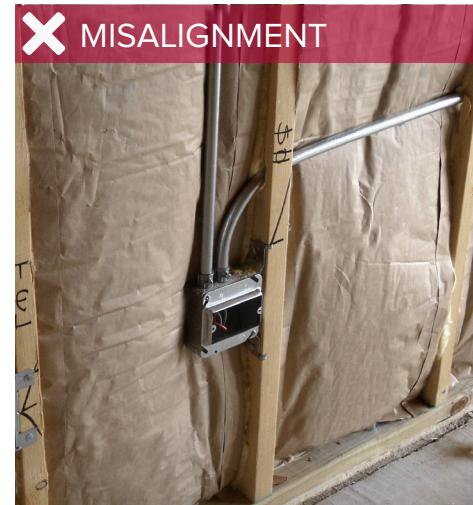
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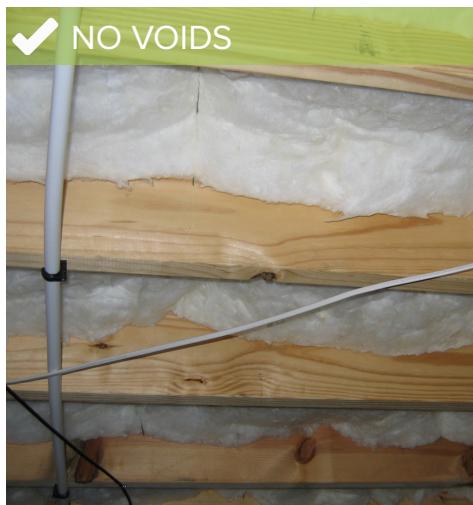
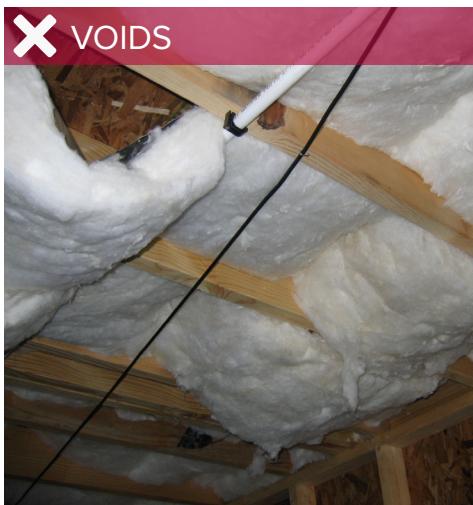
4. Cut and split insulation around blocking, plumbing, HVAC and electrical components.



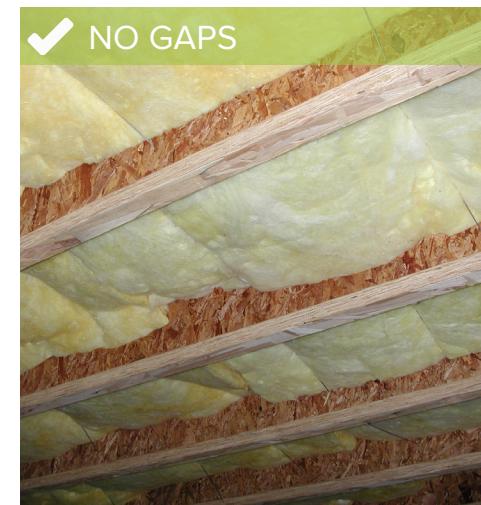
4. Cut and split insulation around blocking, plumbing, HVAC and electrical components.



5. Install insulation to completely fill floor and/or cantilever framing or to maintain permanent contact with the subfloor.



5. Install insulation to completely fill floor and/or cantilever framing or to maintain permanent contact with the subfloor.





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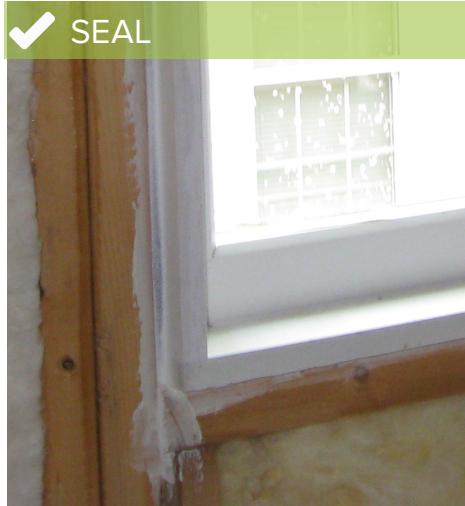
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6. Air seal around windows and doors using backer rod, caulk or low expansion foam.

X INSULATION



✓ SEAL



7. Insulate the attic access and install weather stripping around the perimeter.

X NO INSULATION



✓ INSULATION



7. Insulate the attic access to the same level as surroundings and install weather stripping around the perimeter.

X NO INSULATION



✓ INSULATION



8. For attics with loose fill insulation, install baffles around the attic access opening.

X NO BAFFLES



✓ RIGHT INSTALLATION

