

Success with 2009 IECC in Arkansas
Tech Tips for Builders
FOUNDATION





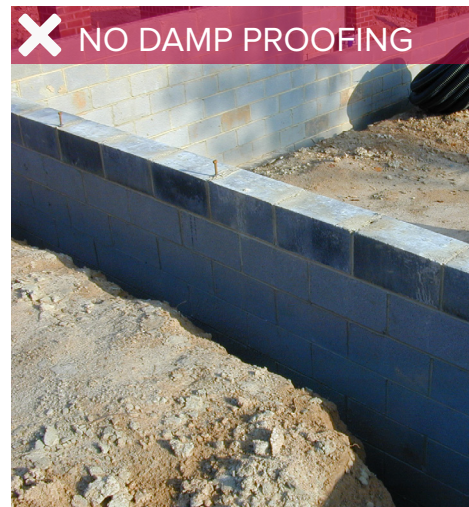
TECH TIPS: FOUNDATION

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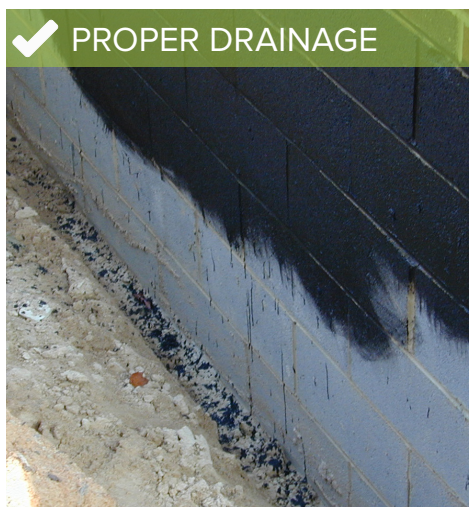
1. For crawl spaces, install poly sheeting that is at least 6-mil thickness and overlaps at least 6 inches including up the walls.



2. Damp proof the exterior of all below-grade walls.



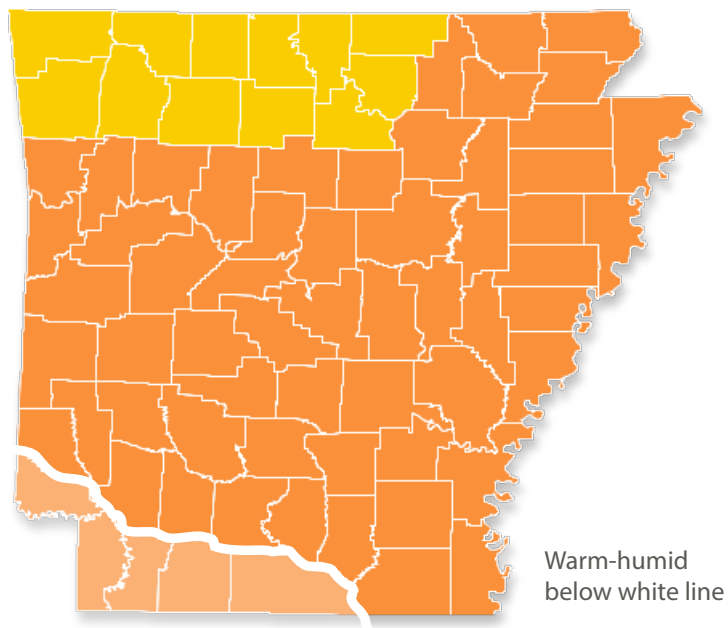
3. Install a drainage system along entire foundation footing of below-grade walls.





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.