

2010 Rhode Island One and Two Family Dwelling Code Errata

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CHAPTER 11 Energy Efficiency

**Table N1102.1.2
Insulation and Fenestration Requirements by Component^a**

CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC ^b	CEILING R-VALUE	WOOD FRAME WALL R-VALUE ^g	MASS WALL R-VALUE ^g	FLOOR R-VALUE	BASEMENT ^c WALL R-VALUE	SLAB ^d R-VALUE & DEPTH	CRAWL SPACE WALL U-FACTOR
5	0.35	0.60	NR	38	20 or 13+5 ^f	13/17	30°	10/13	10-2ft	10/13

For SI: 1 foot =304.8 mm.

- a. R-values are minimums U-factors and SHGC are maximums. R-19 batts compressed into a nominal 2 x 6 framing cavity such that the R-value is reduced by R-1 or more shall be marked with the compressed batt R-value in addition to the full thickness R-value.
- b. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
- c. "10/13" means R—10 continuous insulated sheathing on the interior of the home or R-13 cavity insulation at the interior of the basement wall.
- d. R-5 shall be added to the required slab edge R-values for heated slabs
- e. Or insulation sufficient to fill the framing cavity, R-19 minimum.
- f. "13+5" means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, insulating sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25 percent of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.
- g. The second R-value applies when more than half the insulation is on the interior of the mass wall.