

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT
Re: 2009 International Residential Code
Table N1102.1 Zone 5

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame-Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value & Depth	Crawl Space Wall R-Value
5	0.35	0.60	NR	38	20 or 13+5h	13/17	30	10/13	10,2 ft.	10/13

Notes:

- (h) 13+5 means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25% or less of the exterior, R-5 sheathing is not required where structural sheathing is used. If structural covers more than 25% of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.

Table of Building Envelope Requirements (Based upon 2009 PA Alternative Energy Code, Central Zone)

Fenestration U-Factor - .035
 Skylight U-Factor – 0.60
 Ceiling R-Value – 38
 Wood Frame R-Value – 20 or 13 + 5
 Mass Wall R-Value – 13/17
 Floor R-Value – 30
 Basement Wall R-Value – 10/13
 Slab R-Value & Depth – 10,2 ft.
 Crawl Space Wall R-Value – 10/13