

2015 IRC INSULATION & FENESTRATION REQUIREMENTS BY COMPONENT

Climate Zone	Fenestration U-factor	Skylight U-Factor	Ceiling R-Value	Wood Framed Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Walls	Slab R-Value & Depth	Crawl Space Wall R-Value
5	0.32 ^b	0.55 ^b	49	20 or 13+5 ^h	13/17 ⁱ	R-30 ^g	15/19 ^c	R-10, 2ft. ^d	15/19 ^c

a.	R-values are minimums. U-factors and SHGC are maximums. When insulation is installed in a cavity which is less than the label or design thickness of the insulation The installed R-value of the insulation shall not be less than the R-value specified in the table.
b.	The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
c.	“15/19” means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. “15/19” shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home. “10/13” means R-10 is continuous insulation on the interior or exterior of the home or R-13 cavity insulation at the interior of the home.
d.	R-5 insulation shall be the depth of the footing or 2 feet.
e.	There are no SHGC requirements in the Marine Zone.
f.	Basement wall insulation is not required in warm-humid locations as Climate Zones 1,2, and 3 it is in Zone 5 .
g.	Or insulation sufficient to fill the framing cavity, R-19 minimum .
h.	The first value is cavity insulation, the second value is continuous insulation, so “13+5” means R-13 cavity insulation plus R-5 continuous insulation.
i.	The second R-value applies when more than half the insulation is on the interior of the mass wall.