

Building Thermal Envelope R-values (R402.1.2)

	Climate Zone 6		Climate Zone 7	
	2009 IECC	2015 IECC	2009 IECC	2015 IECC
Windows	U-0.35	U-0.32	U-0.35	U-0.32
Skylights	U-0.60	U-0.55	U-0.60	U-0.55
Ceilings	R-38	R-49	R-49	R-49
Wood-frame walls	R-20 or 13+5	R-20+5 or 13+10	R-21	R-20+5 or 13+10
Mass walls	R-15/19	R-15/ 20	R-19/21	R-19/21
Floors	R-30	R-30	R-38	R-38
Basement walls	R-15/19	R-15/19	R-15/19	R-15/19
Crawlspace walls	R-10/13	R-15/19	R-10/13	R-15/19
Slab-on-grade	R-10, 4 ft	R-10, 4 ft	R-10, 4 ft	R-10, 4 ft

All Maine Climate Zones

Envelope air leakage verification:

- Mandatory blower door testing (3 ACH50)

Ventilation:

- The IRC requires whole-house mechanical ventilation
- The IECC contains minimum fan efficacy rates

Duct leakage testing:

- Maximum total duct leakage rate reduced from 12 to 4 cfm per 100 sqft
- Elimination of “leakage to outdoors” option

Lighting:

- Increase from 50% to 75% high-efficacy lighting

Compliance paths:

- New compliance path option – Energy Rating Index (ERI) Compliance Alternative