Residential Energy Code: Illinois (CZ 4/5)

2015 IECC Model Code, IL 2015 IECC Code Amendments

Note: This document does not contain all provisions of each code; Only the major changes to the code are listed.

Requirements	2015 IECC Model Code	IL 2015 IECC Amendments
Tables 402.1.2 & 402.1.4		
Glazed Fenestration SHGC	SHGC: 0.40 (CZ 4) No Requirement (CZ 5)	**No Requirement (CZ 4/5)**
Basement/Foundation Wall Insulation	R-Value: 10/13 (CZ 4) 15/19(CZ 5) U-factor: 0.059 (CZ 4) 0.050 (CZ5)	R-Value: 10/13 (CZ4/5) **U-factor: 0.059 (CZ 4/5)** **Exception:** Walls may be insulated from the top of the basement wall down to 4 feet below grade when the insulation has an R-value of at least 15/19
All other Requirements		
Air Leakage Testing *(402.4.1.2)*	Mandatory: Must follow guidelines in Table R402.4.1.1 and verify air leakage of **3 ACH50** or less	Mandatory: Must follow guidelines in Table R402.4.1.1 and verify **air leakage of 5 ACH50 or less** **Exceptions:** 1. Existing buildings can be field verified if they meet the insulation requirements in table 402.4.1.1 2. Heated garages less than 3 stories above grade can be field verified if they meet requirements in table 402.4.1.1

Rooms Containing Fuel Burning Appliances *(402.4.4)*	Open combustion fuel burning appliances and associated open combustion air ducts should be located outside the building envelope or enclosed in a room, isolated from inside the envelope	No Requirement
Mechanical Ventilation	The minimum continuous outdoor airflow rate shall be determined in accordance with Equation 4-9. Equation 4-9 $Q_{OA}=0.01A_{floor} + 7.5 (N_{br} + 1)$ Q_{OA} = outdoor airflow rate, cfm A_{floor} = floor area, ft^2 N_{br} = number of bedrooms; not to be less than one (IMC 403.3.2)	The whole house mechanical ventilation system shall provide the outdoor air at a **continuous rate of not less than determined in accordance with Table R403.6.6** **Exceptions:** The total required outdoor air ventilation rate should be as specified in table 403.6.6(1) or calculated using Equation 4-1 Equation 4-1 $Q_{OA}=0.01CFA + 7.5 (N_{br} + 1)$ Q_{OA} = outdoor airflow rate, cfm CFA= conditioned floor area (ft^2) N_{br} = number of bedrooms; not to be less than one *(403.6.6)*
Existing Buildings Building Envelope *(503.1.1)*	No Roof Replacement Exception	**Roof Replacement Exception:** In existing buildings where the R-value required cannot be installed due to space limitations, the maximum value of insulation compatible with the available space should be installed.