



Residential Energy Code: Minnesota (CZ 6/7)

2012 IECC Model Code, MN 2012 IECC Code Amendments

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

Requirements	2012 IECC Model Code	MN 2012 IECC Amendments
Table 402.1.1		
Wood Frame Wall Insulation	R-value: 20+5 or 13+10 (CZ6/7)	R-value: 20 or 13+5 (CZ 6) 21 (CZ 7)
Foundation/ Crawl Space Wall Insulation	R-value: 15/19 (CZ6/7)	<p style="text-align: center;">R-value: 15/19 (CZ6/7)</p> <p>R-15 insulation for concrete and masonry foundations shall be installed according to R402.1.1.1 and R402.1.1.8 and a minimum of R-10 shall be applied to the exterior of the wall.</p> <p><u>Exception:</u> R-10 continuous insulation on the exterior of each foundation wall is permitted if the tested air leakage rate required does not exceed 2.6 ACH50.</p>
All other Requirements		
Duct Insulation (403.2.1)	<p>Prescriptive: Supply ducts in attics shall be insulated to a minimum of R-8. All other ducts shall be insulated to a minimum of R-6.</p> <p>Exception: Ducts or portions thereof located completely inside the building thermal envelope</p>	<p>Prescriptive: All exhaust, supply and return air ducts shall be insulated according to Table 403.2.1 and installed with a vapor or weather retarder depending on location.</p> <p>Table 403.2.1 requires insulation from R3.3 to R-8 depending on location.</p> <p>Duct insulation from unconditioned ducts is required to continue 3 feet into conditioned space.</p>

<p>Mechanical Ventilation (403.5)</p>	<p>Mandatory: Buildings shall be provided with ventilation that meets the requirements of the IRC or IMC or with other approved means of ventilation.</p> <p>Ventilation Rate: The minimum outdoor airflow rate shall be determined in accordance with Table 403.3 in the IMC.</p>	<p>Mandatory: Buildings shall be provided with a balanced mechanical ventilation system that is +/- 10% of the system's design capacity and meets the requirements of R403.5.5.</p> <p><u>Exception:</u> Kitchen and bath fans that are not included as part of the mechanical ventilation system are exempt. Alterations to existing buildings are also exempt.</p> <p>Ventilation Rate: system shall provide sufficient outdoor air equal to the total/continuous ventilation rates in accordance with table R403.5.2 in the IECC or equation $(.02 \times \text{sq ft conditioned space}) + [15 \times (\# \text{ bedrooms} + 1)]$.</p> <p>HRV/ERV Systems: Identifies specific requirements if an HRV or ERV is installed as part of a balanced system (403.5.5)</p>
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