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To: Commercial Customer Care, Field Services, Design Services, Commercial Marketing
From: Codes and Regulatory Compliance
Date: 09/08/2025
Subject: Minimum Insulation R-value Requirements by State

This TechNote references the International Energy Conservation Code (IECC) and ASHRAE Standard 90.1, "Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings" requirements applicable to Non-Residential Buildings, Above Roof Deck, New Construction, Re-Roofing: Recover and Replacement*

State		Applicable Code	Climate Zone	Minimum R-Value	Effective Date
Alabama	State Mandated	2015 Alabama Commercial Energy Code (2015 IECC)	2	R-25	6/1/2016
			3	R-25	
Alaska	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	7	R-35	
			8	R-35	
Arizona	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	2	R-25	
			3	R-25	
			4	R-30	
			5	R-30	
Arkansas	State Mandated	2014 Arkansas Energy Code (2009 IECC)	3	R-20	1/1/2015
			4	R-20	
California ¹	State Mandated	California 2022 Energy Code	CA's CZ	R-17 or R-23	1/1/2023
Colorado	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	4	R-30	
			5	R-30	
			6	R-30	
			7	R-35	
Connecticut	State Mandated	2022 CT State Building Code (2021 IECC)	5	R-30	10/1/2022
Delaware	State Mandated	Regulations for State Energy Conservation Code (2018 IECC)	4	R-30	12/11/2020
District of Columbia	District Mandated	District of Columbia Energy Conservation Code (2017) (ASHRAE 90.1-2013)	4	R-33	5/9/2020
Florida	State Mandated	2023 8 th Edition Florida Building Code (2021 IECC)	1	R-20	12/31/2023
			2	R-25	
Georgia	State Mandated	2020 Georgia State Minimum Standard Energy Code (2015 IECC)	2	R-25	1/1/2020
			3	R-25	
			4	R-30	
Hawaii	State Mandated	2018 IECC	1	R-20	12/15/2022
Idaho	State Mandated	(2020) Idaho Energy Conservation Code (2018 IECC)	5	R-30	1/1/2021
			6	R-30	
Illinois	State Mandated	2021 Illinois Energy Conservation Code (2021 IECC)	4	R-30	1/1/2024
			5	R-30	

¹ California has its own climate zones and can be found [here](#). R-17 is required in CZ's 6-8; while R-23 is required in CZ's 1-5 and 9-16 (continuous insulation only). Refer to [PIMA document](#) for additional information for utilizing continuous and cavity insulation.

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R1 09082025

State		Applicable Code	Climate Zone	Minimum R-Value	Effective Date
Indiana	State Mandated	2010 Indiana Energy Conservation Code (ASHRAE 90.1-2007)	4	R-20	5/6/2010
			5	R-20	
Iowa	State Mandated	2012 IECC	5	R-25	4/1/2014
			6	R-30	
Kansas	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	4	R-30	
			5	R-30	
Kentucky	State Mandated	2013 Kentucky Building Code (2012 IECC)	4	R-25	6/22/2016
Louisiana ²	State Mandated	Louisiana State Uniform Construction Code (2021 IECC)	2	R-25	7/1/2023
Maine	State Mandated	Maine Uniform Building Code (2021 IECC)	6	R-30	4/7/2025
			7	R-35	
Maryland	State Mandated	Maryland Building Performance Standards (2021 IECC)	4	R-30	5/29/2023
			5	R-30	
Massachusetts	State Mandated	10th Edition of Massachusetts State Building Code 780 (2021 IECC)	5	R-30	10/11/2024
Michigan	State Mandated	Commercial Michigan Energy Code (ASHRAE 90.1-2019)	5	R-30	4/22/2025
			6	R-30	
			7	R-35	
Minnesota	State Mandated	2024 Minnesota Commercial Energy Code (ASHRAE 90.1-2019)	6	R-30	1/5/2024
			7	R-35	
Mississippi	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	2	R-25	
			3	R-25	
Missouri	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	4	R-30	
			5	R-30	
Montana	State Mandated	2021 IECC	6	R-30	6/11/2022
Nebraska	State Mandated	Nebraska Energy Code (2018 IECC)	5	R-30	7/11/2020
Nevada	State Mandated	2024 IECC	3	R-25	8/18/2024
			4	R-30	
			5	R-30	
New Hampshire	State Mandated	New Hampshire State Building Code (2018 IECC)	5	R-30	1/1/2023
			6	R-30	
New Jersey	State Mandated	Uniform Construction Code - Energy Subcode (ASHRAE 90.1-2019)	4	R-30	9/6/2022
			5	R-30	
New Mexico	State Mandated	2021 New Mexico Commercial Energy Code (2021 IECC)	3	R-25	7/30/2024
			4	R-30	
			5	R-30	
New York	State Mandated	2020 Energy Conservation Construction Code of New York State (2018 IECC)	4	R-30	5/12/2020
			5	R-30	
			6	R-30	

² Louisiana has a state amendment that assigns climate zone 2 to the entire state.

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R1 09082025

State		Applicable Code	Climate Zone	Minimum R-Value	Effective Date
North Carolina	State Mandated	2018 North Carolina State Building Code: Energy Conservation Code (2015 IECC)	3	R-25	1/1/2019
			4	R-30	
			5	R-30	
North Dakota	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	6	R-30	
			7	R-35	
Ohio	State Mandated	2024 Ohio Building Code Chapter 13 (2021 IECC)	4	R-30	3/1/2024
			5	R-30	
Oklahoma	State Mandated	Oklahoma Uniform Building Code (2006 IECC)	3	R-15	7/15/2011
			4	R-15	
Oregon	State Mandated	2025 Oregon Energy Efficiency Specialty Code (ASHRAE 90.1-2022)	4	R-30	1/1/2025
			5	R-30	
Pennsylvania	State Mandated	2018 IECC	4	R-30	2/14/2022
			5	R-30	
			6	R-30	
Rhode Island	State Mandated	RISBC-8 State of Rhode Island Energy Conservation Code (2024 IECC)	5	R-30	11/14/2024
South Carolina	State Mandated	2009 South Carolina Energy Standard (2009 IECC)	3	R-20	1/1/2013
South Dakota	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	5	R-30	
			6	R-30	
Tennessee	State Mandated	2021 IECC	3	R-25	4/17/2025
			4	R-30	
Texas	State Mandated	2015 IECC	2	R-25	11/1/2016
			3	R-25	
			4	R-30	
Utah	State Mandated	Commercial Energy Conservation Code 2021 of Utah (2021 IECC)	3	R-25	7/1/2023
			5	R-30	
			6	R-30	
Vermont	State Mandated	2024 Commercial Building Energy Standards (2021 IECC)	6	R-45	7/1/2024
Virginia	State Mandated	2021 Virginia Energy Conservation Code (and 2021 Virginia Existing Building Code) (2021 IECC)	3	R-25	1/18/2024
			4	R-30	
Washington ³	State Mandated	2021 Washington State Energy Code (2021 IECC)	4	R-38	3/15/2024
			5	R-38	
West Virginia	State Mandated	West Virginia State Building Code (ASHRAE 90.1-2013)	4	R-30	8/1/2022
			5	R-30	
Wisconsin	State Mandated	2021 Wisconsin Commercial Building Code (2021 IECC)	5	R-30	9/1/2025
			6	R-30	
Wyoming	Local Jurisdiction	No State-Wide Energy Code; Refer to local jurisdiction	5	R-30	
			6	R-30	
			7	R-35	

³ Washington has a state amendment that assigns climate zones 4 and 5 to the state.

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