



Minimum Insulation R-value Requirements

Non-Residential, Above Roof Deck

STATE			APPLICABLE CODE	ASHRAE ZONE	MINIMUM R-VALUE
STATE & LOCAL	AL	Alabama	2015 Alabama Commercial Energy Code	2	R-25
				3	R-25
STATE & LOCAL	AK	Alaska	2012 Alaska Building Energy Efficiency Standard	7	R-35
				8	R-35
				9	R-40
LOCAL ONLY	AZ	Arizona	No statewide mandated R values Phoenix - 2018 IECC Flagstaff - 2018 IECC	2	R-25
				3	R-25
				4	R-30
				5	R-30
STATE ONLY	AR	Arkansas	2014 Arkansas Energy Code	3	R-20
				4	R-20
STATE ONLY	CA	California	2016 Building Energy Efficiency Standards	2	R-25
				3	R-25
				4	R-30
				5	R-30
				6	R-30
STATE & LOCAL	CO	Colorado	All local jurisdictions must adopt one of the three most recent versions of the International Energy Conservation Code (2015, 2018, or 2021)	4	R-30
				5	R-30
				6	R-30
				7	R-35
STATE ONLY	CT	Connecticut	2018 Connecticut State Building Code	5	R-30
STATE & LOCAL	DE	Delaware	Regulations for State Energy Conservation Code	4	R-30
STATE ONLY	DC	District of Columbia	District of Columbia Energy Conservation Code (2017)	4	R-33
STATE ONLY	FL	Florida	2017 6 th Edition Florida Building Code	1	R-20
				2	R-25
STATE ONLY	GA	Georgia	2020 Georgia State Minimum Standard Energy Code	2	R-25
				3	R-25
				4	R-25
STATE ONLY	HI	Hawaii	2015 IECC	1	R-20
STATE & LOCAL	ID	Idaho	Idaho Building Code Act	5	R-30
				6	R-30
STATE & LOCAL	IL	Illinois	2018 Illinois Energy Conservation Code	4	R-30
				5	R-30
STATE ONLY	IN	Indiana	2010 Indiana Energy Conservation Code	4	R-20
				5	R-20
STATE & LOCAL	IA	Iowa	2012 IECC	5	R-25
				6	R-30
STATE & LOCAL	KS	Kansas	No State Mandate (Refer to IECC 2015 & 2018)	4	R-30
				5	R-30
STATE ONLY	KY	Kentucky	2013 Kentucky Building Codes	4	R-25
STATE & LOCAL	LA	Louisiana	Commercial Building Energy Code	2	R-20
				3	R-20
STATE ONLY	ME	Maine	Maine Building Code	6	R-30
				7	R-35
STATE ONLY	MD	Maryland	Maryland Building Performance Standards	4	R-30
				5	R-30
STATE ONLY	MA	Massachusetts	9 th Edition of the Massachusetts State Building (Code 780)	5	R-30
STATE ONLY	MI	Michigan	Commercial Michigan Energy Code	5	R-30
				6	R-30
				7	R-35
STATE ONLY	MN	Minnesota	2020 Minnesota Commercial State Building Code	6	R-30
				7	R-35

STATE			APPLICABLE ENERGY	ASHRAE ZONE	MINIMUM R-VALUE
STATE & LOCAL	MS	Mississippi	No State Mandate (Refer to IECC 2015 & 2018)	2	R-25
				3	R-25
STATE & LOCAL	MO	Missouri	No State Mandate (Refer to IECC 2015 & 2018)	4	R-30
				5	R-30
STATE ONLY	MT	Montana	2018 IECC	6	R-30
STATE ONLY	NE	Nebraska	Nebraska Energy Code	5	R-30
STATE ONLY	NV	Nevada	2018 IECC	3	R-25
				5	R-30
STATE ONLY	NH	New Hampshire	State Building Code	5	R-30
				6	R-30
STATE ONLY	NJ	New Jersey	Uniform Construction Code - Energy Subcode	4	R-30
				5	R-30
STATE ONLY	NM	New Mexico	New Mexico Energy Conservation Code	3	R-25
				4	R-30
				5	R-30
STATE ONLY	NY	New York	2020 Energy Conservation Construction Code of New York State	4	R-30
				5	R-30
				6	R-30
STATE ONLY	NC	North Carolina	2018 North Carolina Energy Conservation Code	3	R-25
				4	R-30
				5	R-30
STATE & LOCAL	ND	North Dakota	No State Mandate (Refer to IECC 2015 & 2018)	6	R-30
				7	R-35
STATE ONLY	OH	Ohio	2017 Ohio Building Code	4	R-25
				5	R-25
STATE & LOCAL	OK	Oklahoma	Oklahoma Uniform Building Code	3	R-15
				4	R-20
STATE ONLY	OR	Oregon	2019 Oregon Zero Energy Ready Commercial Code	4	R-30
				5	R-30
STATE ONLY	PA	Pennsylvania	2015 IECC	4	R-30
				5	R-30
				6	R-30
STATE ONLY	RI	Rhode Island	RISBC-8 State of Rhode Island Energy Conservation Code	5	R-30
STATE & LOCAL	SC	South Carolina	2009 South Carolina Energy Standard	3	R-20
STATE & LOCAL	SD	South Dakota	No State Mandate (Refer to IECC 2015 & 2018)	5	R-30
				6	R-30
STATE & LOCAL	TN	Tennessee	2012 IECC	3	R-20
				4	R-25
STATE & LOCAL	TX	Texas	2015 IECC	2	R-25
				3	R-25
				4	R-30
STATE ONLY	UT	Utah	Commercial Energy Conservation Code 2018 of Utah	3	R-25
				5	R-30
				6	R-30
STATE ONLY	VT	Vermont	2020 Commercial Building Energy Standards	6	R-40
STATE ONLY	VA	Virginia	2018 Virginia Energy Conservation Code	4	R-30
STATE ONLY	WA	Washington	2018 Washington State Energy Code	4	R-38
				5	R-38
				6	R-38
STATE ONLY	WV	West Virginia	2009 IECC	4	R-20
				5	R-20
STATE ONLY	WI	Wisconsin	2015 Wisconsin Commercial Building Code	6	R-20
				7	R-25
LOCAL ONLY	WY	Wyoming	No State Mandate (Refer to IECC 2015 & 2018)	6	R-30
				6	R-30
				7	R-35

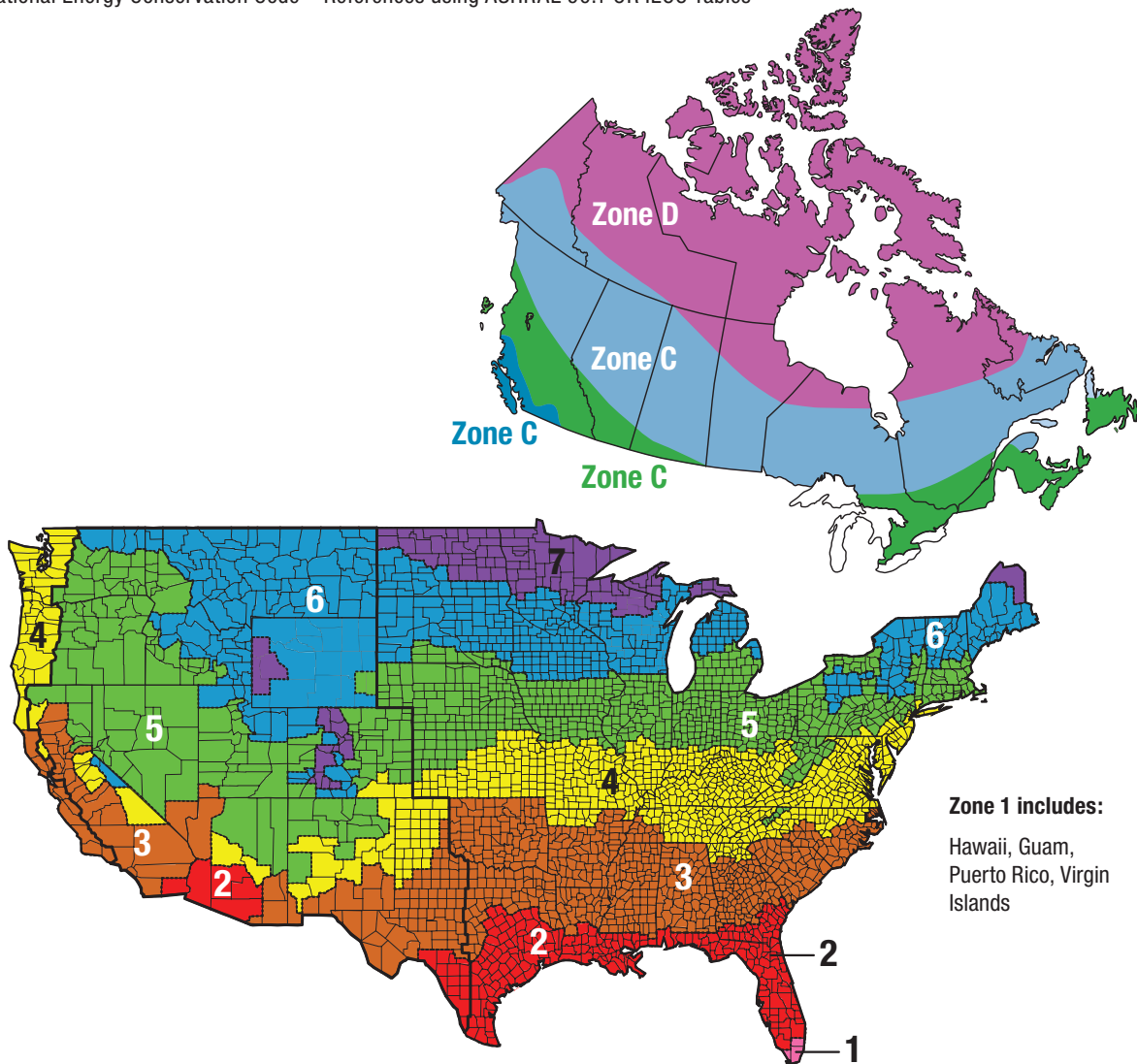
Minimum R-Value (Non-Residential, Above Roof Deck)

Zones	ASHRAE 90.1						IBC - IECC				
	2004	2007	2010*	2013*	2016*	2019*	2009*	2012*	2015*	2018*	2021
0	-	-	-	-	25	25	-	-	-	-	0
1	15	15	15	20	20	20	15	20	20	20	25
2	15	20	20	25	25	25	20	20	25	25	25
3	15	20	20	25	25	25	20	20	25	25	30
4	15	20	20	30	30	30	20	25	30	30	30
5	15	20	20	30	30	30	20	25	30	30	30
6	15	20	20	30	30	30	20	30	30	30	30
7	15	20	20	35	35	35	25	35	35	35	35
8	20	20	20	35	35	35	25	35	35	35	35

IBC – International Building Code – References IECC for Energy Tables

***Continuous Insulation**

IECC – International Energy Conservation Code – References using ASHRAE 90.1 OR IECC Tables



Disclaimer: The information contained in this document is meant to be used as a quick reference guide for insulation levels across the United States. The information was gathered from state and local websites which are periodically updated and may not contain the latest data. Final verification of actual insulation levels required for a specific project should be verified with the Local Authority Having Jurisdiction (AHJ) before construction.



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