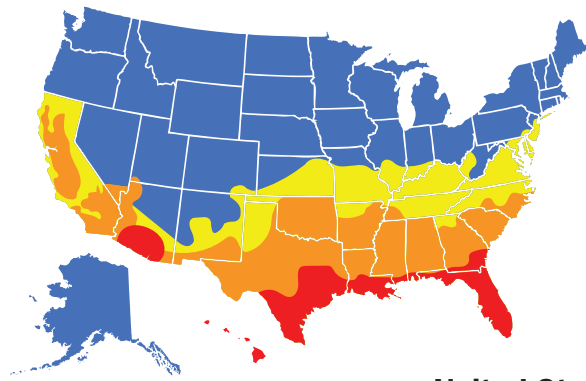


Renewal by Andersen® Windows with Triple Pane Glass / ENERGY STAR® Most Efficient 2020 Information



- Northern
- North-Central
- South-Central
- South

Climate Zone	U-Factor	SHGC
Northern	≤ 0.20	≥ 0.20
North-Central	≤ 0.20	≤ 0.40
South-Central	≤ 0.20	≤ 0.25
South	≤ 0.20	≤ 0.25



This document identifies Renewal by Andersen® windows recognized as the Most Efficient of ENERGY STAR® in 2020. The products meet the requirements shown in the table below.

United States ENERGY STAR® 2017 Most Efficient Climate Zone Criteria

					Most Efficient (2017)			
			U-Factor	SHGC	North	North-Central	South-Central	South
High Performance Low-E4® Enhanced Triple Pane	Casement	Standard	0.20	0.25	✓	✓	✓	✓
		Reinforced Hinge Jamb	0.20	0.25	✓	✓	✓	✓
		Reinforced Hinge Jamb & Head	0.20	0.25	✓	✓	✓	✓
	Casement Fixed	Standard	0.17	0.30	✓	✓		
	Awning	Standard	0.20	0.25	✓	✓	✓	✓
		Reinforced Head	0.20	0.25	✓	✓	✓	✓
		Reinforced Head & Sill	0.21	0.25				
	Double-Hung (DG)	Standard	0.20	0.29	✓	✓		
		Reinforced Jambs	0.21	0.29				
	Gliding	Standard	0.20	0.28	✓	✓		
		Reinforced Interlock	0.20	0.28	✓	✓		
	Picture (Universal Frame)	Fibrex® Material Stops	0.16	0.30	✓	✓		
Wood Stops (Shapes)		0.17	0.30	✓	✓			
High Performance Low-E4® SmartSun™ Enhanced Triple Pane	Casement	Standard	0.19	0.17		✓	✓	✓
		Reinforced Hinge Jamb	0.20	0.17		✓	✓	✓
		Reinforced Hinge Jamb & Head	0.20	0.17		✓	✓	✓
	Casement Fixed	Standard	0.17	0.19		✓	✓	✓
	Awning	Standard	0.20	0.17		✓	✓	✓
		Reinforced Head	0.20	0.17		✓	✓	✓
		Reinforced Head & Sill	0.20	0.17		✓	✓	✓
	Double-Hung (DG)	Standard	0.20	0.19		✓	✓	✓
		Reinforced Jambs	0.21	0.19				
	Gliding	Standard	0.19	0.18		✓	✓	✓
		Reinforced Interlock	0.20	0.18		✓	✓	✓
	Picture (Universal Frame)	Fibrex® Material Stops	0.16	0.20	✓	✓	✓	✓
Wood Stops (Shapes)		0.17	0.20	✓	✓	✓	✓	

NFRC ratings are based on modeling by a third party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements. This data is accurate as of January 1, 2020. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitude, etc. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. Renewal by Andersen is a trademark of Andersen Corporation. © 2020 Andersen Corporation. All rights reserved.