



- 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 2021. The products meet the requirements shown in the table below.

United States ENERGY STAR® 2021 Most Efficient Climate Zone Criteria

					Most Efficient (2021)			
			U-Factor	SHGC	North	North-Central	South-Central	South
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	✓	✓		
	Enhanced Triple Pane with SmartSun™	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 February 3, 2021. 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. © 2021 Andersen Corporation. All rights reserved.