

# Renewal by Andersen® windows with Triple Pane Glass - ENERGY STAR® Most Efficient 2020 Information

United States ENERGY STAR® 2017 Most Efficient Climate Zone Criteria



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.

			U	SHGC	N. Most Efficient (2017)	N.C. Most Efficient (2017)	S.C. Most Efficient (2017)	S. Most Efficient (2017)
High Performance Low-E4® Enhanced Triple Pane	Casement	Standard	0.20	0.25	Yes	Yes	Yes	Yes
		Reinforced Hinge Jamb	0.20	0.25	Yes	Yes	Yes	Yes
		Reinforced Hinge Jamb & Head	0.20	0.25	Yes	Yes	Yes	Yes
	Casement Fixed	Standard	0.17	0.30	Yes	Yes	No	No
	Awning	Standard	0.20	0.25	Yes	Yes	Yes	Yes
		Reinforced Head	0.20	0.25	Yes	Yes	Yes	Yes
		Reinforced Head & Sill	0.21	0.25	No	No	No	No
	Double-Hung (DG)	Standard	0.20	0.29	Yes	Yes	No	No
		Reinforced Jambs	0.21	0.29	No	No	No	No
	Gliding	Standard	0.20	0.28	Yes	Yes	No	No
Reinforced Interlock		0.20	0.28	Yes	Yes	No	No	
Picture (Universal Frame)	Fibrex® Material Stops	0.16	0.30	Yes	Yes	No	No	
	Wood Stops (shapes)	0.17	0.30	Yes	Yes	No	No	
High Performance Low-E4® SmartSun™ Enhanced Triple Pane	Casement	Standard	0.19	0.17	No	Yes	Yes	Yes
		Reinforced Hinge Jamb	0.20	0.17	No	Yes	Yes	Yes
		Reinforced Hinge Jamb & Head	0.20	0.17	No	Yes	Yes	Yes
	Casement Fixed	Standard	0.17	0.19	No	Yes	Yes	Yes
	Awning	Standard	0.20	0.17	No	Yes	Yes	Yes
		Reinforced Head	0.20	0.17	No	Yes	Yes	Yes
		Reinforced Head & Sill	0.20	0.17	No	Yes	Yes	Yes
	Double-Hung (DG)	Standard	0.20	0.19	No	Yes	Yes	Yes
		Reinforced Jambs	0.21	0.19	No	No	No	No
	Gliding	Standard	0.19	0.18	No	Yes	Yes	Yes
Reinforced Interlock		0.20	0.18	No	Yes	Yes	Yes	
Picture (Universal Frame)	Fibrex® Material Stops	0.16	0.20	Yes	Yes	Yes	Yes	
	Wood Stops (shapes)	0.17	0.20	Yes	Yes	Yes	Yes	

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.

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