

**ANDERSEN® A-SERIES WINDOWS WITH TRIPLE PANE GLASS**  
**ENERGY STAR® MOST EFFICIENT 2020 INFORMATION**



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

[Click here for NFRC certified values of Andersen A-Series windows with triple-pane glass.](#)

**United States ENERGY STAR® 2020 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

	N. Most Efficient (2020)		N.C. Most Efficient (2020)		S.C. Most Efficient (2020)		S. Most Efficient (2020)	
<b>Low-E4® Enhanced Triple-Pane</b>	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no
		3.9mm yes		3.9mm yes		3.9mm no		3.9mm no
	transom (fixed)	5.7mm yes	transom (fixed)	5.7mm yes	transom (fixed)	5.7mm no	transom (fixed)	5.7mm no
		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no
		3.9mm yes						3.9mm no
		3.9mm yes						3.9mm no
<b>Low-E4® Enhanced Triple-Pane w/ HeatLock®</b>	casement	3.0mm yes	casement	3.0mm yes	casement	3.0mm yes	casement	3.0mm yes
		3.0mm yes		3.0mm yes		3.0mm yes		3.0mm yes
		3.0mm yes		3.0mm yes		3.0mm no		3.0mm no
	awning	3.0mm yes	awning	3.0mm yes	awning	3.0mm yes	awning	3.0mm yes
		3.0mm yes		3.0mm yes		3.0mm no		3.0mm no
		3.0mm yes		3.0mm yes		3.0mm no		3.0mm no
	double-hung	3.0mm yes	double-hung	3.0mm yes	double-hung	3.0mm no	double-hung	3.0mm no
		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no
		3.9mm yes		3.9mm yes		3.9mm no		3.9mm no
	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no
		3.9mm yes		3.9mm yes		3.9mm no		3.9mm no
		5.7mm yes		5.7mm yes		5.7mm no		5.7mm no
transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	
	3.9mm yes		3.9mm yes		3.9mm no		3.9mm no	
transom (vent)	3.0mm yes	transom (vent)	3.0mm yes	transom (vent)	3.0mm yes	transom (vent)	3.0mm yes	
	3.0mm yes		3.0mm yes		3.0mm yes		3.0mm yes	
door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	
	3.9mm no		3.9mm no		3.9mm no		3.9mm no	
door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	door transom (direct)	3.0mm no	door transom (direct)	3.0mm no	
	3.9mm no		3.9mm no		3.9mm no		3.9mm no	
	4.7mm no		4.7mm no		4.7mm no		4.7mm no	
<b>Low-E4® SmartSun™ Enhanced Triple-Pane</b>	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no
		3.9mm no		3.9mm yes		3.9mm yes		3.9mm yes
		5.7mm no		5.7mm yes		5.7mm yes		5.7mm yes
	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no
		3.9mm no		3.9mm yes		3.9mm yes		3.9mm yes
	transom (vent)	3.0mm no	transom (vent)	3.0mm no	transom (vent)	3.0mm no	transom (vent)	3.0mm no
		3.0mm no		3.0mm no		3.0mm no		3.0mm no
	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no
3.9mm no		3.9mm no		3.9mm no		3.9mm no		
door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	
	3.9mm no		3.9mm no		3.9mm no		3.9mm no	
	4.7mm no		4.7mm no		4.7mm no		4.7mm no	
<b>Low-E4® SmartSun™ Enhanced Triple-Pane w/ HeatLock</b>	casement	3.0mm no	casement	3.0mm yes	casement	3.0mm yes	casement	3.0mm yes
		3.0mm no		3.0mm yes		3.0mm yes		3.0mm yes
		3.0mm no		3.0mm yes		3.0mm yes		3.0mm yes
	awning	3.0mm no	awning	3.0mm yes	awning	3.0mm yes	awning	3.0mm yes
		3.0mm no		3.0mm yes		3.0mm yes		3.0mm yes
		3.0mm no		3.0mm yes		3.0mm yes		3.0mm yes
	double-hung	3.0mm no	double-hung	3.0mm yes	double-hung	3.0mm yes	double-hung	3.0mm yes
		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no		3.9mm¹ no
		3.9mm no		3.9mm yes		3.9mm yes		3.9mm yes
	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no	picture	3.9mm¹ no
		3.9mm no		3.9mm yes		3.9mm yes		3.9mm yes
		5.7mm no		5.7mm yes		5.7mm yes		5.7mm yes
transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	transom (fixed)	3.9mm¹ no	
	3.9mm no		3.9mm yes		3.9mm yes		3.9mm yes	
transom (vent)	3.0mm no	transom (vent)	3.0mm yes	transom (vent)	3.0mm yes	transom (vent)	3.0mm yes	
	3.0mm no		3.0mm yes		3.0mm yes		3.0mm yes	
door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	door transom (sash)	3.0mm no	
	3.9mm no		3.9mm no		3.9mm no		3.9mm no	
door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	door transom (direct)	3.0mm yes	
	3.9mm no		3.9mm no		3.9mm no		3.9mm no	
	4.7mm no		4.7mm no		4.7mm no		4.7mm no	

1 Units are air filled only based on size.  
 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 27, 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.