

400 SERIES WINDOWS WITH TRIPLE-PANE GLASS



NFRC Certified Total Unit Performance for Products With Triple-Pane Glass

This information is for reference only. Performance values vary based on unit size, configurations and options. Contact your Andersen supplier for specific unit data.

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Casement Windows AND-N-1	Low-E4*	Without Grilles	0.26	0.29	0.49
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.22	0.29	0.47
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.20	0.27	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.25	0.20	0.44
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™ Enhanced	Without Grilles	0.22	0.19	0.43
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	--
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.20	0.18	0.42
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.20	0.40	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
400 Series Awning Windows AND-N-2	Low-E4*	Without Grilles	0.26	0.29	0.49
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.22	0.29	0.47
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.20	0.27	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.25	0.20	0.44
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™ Enhanced	Without Grilles	0.22	0.19	0.43
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	--
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.20	0.18	0.42
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	--
	Low-E4 PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.20	0.40	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor¹	SHGC²	VT³
400 Series Casement/Awning Picture Windows AND-N-54	Low-E4*	Without Grilles	0.23	0.31	0.53
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.19	0.30	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.17	0.29	0.50
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.23	0.21	0.48
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.19	0.21	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.20	0.45
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.18	0.42	0.55
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
400 Series Casement/Awning Transom Windows AND-N-54	Low-E4*	Without Grilles	0.24	0.32	0.54
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.19	0.31	0.52
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.17	0.30	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.23	0.21	0.49
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.19	0.21	0.47
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.20	0.46	
	Simulated Divided Light Grilles	-	-	-	
	Finelight Grilles	-	-	-	
	Full Divided Light Grilles	-	-	-	
Low-E4 PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.18	0.44	0.57	
	Simulated Divided Light Grilles	-	-	-	
	Finelight Grilles	-	-	-	
	Full Divided Light Grilles	-	-	-	

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* "Low-E4*", "Low-E4 SmartSun™", "Low-E4 PassiveSun™" and "HeatLock™" are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr-ft²-°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

* 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 August 2024. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass with capillary breather tubes for high altitudes, etc.

* Values are for single units with given pane thickness and 3/4" (19 mm) grilles.

400 SERIES WINDOWS WITH TRIPLE-PANE GLASS



NFRC Certified Total Unit Performance for Products With Triple-Pane Glass

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Contact your Andersen supplier for specific unit data.

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Tilt-Wash Double-Hung Full-Frame Windows AND-N-24	Low-E4*	Without Grilles	0.28	0.29	0.49
		Simulated Divided Light Grilles	0.28	0.26	0.44
		Finelight™ Grilles	0.29	0.26	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.25	0.28	0.47
		Simulated Divided Light Grilles	0.25	0.26	0.42
		Finelight Grilles	0.25	0.26	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.22	0.27	0.46
		Simulated Divided Light Grilles	0.22	0.24	0.41
		Finelight Grilles	0.23	0.24	0.41
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.28	0.19	0.44
		Simulated Divided Light Grilles	0.28	0.17	0.39
		Finelight Grilles	0.28	0.17	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.24	0.19	0.43
		Simulated Divided Light Grilles	0.24	0.17	0.38
		Finelight Grilles	0.25	0.17	0.38
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.22	0.18	0.42
		Simulated Divided Light Grilles	0.22	0.16	0.37
		Finelight Grilles	0.23	0.16	0.37
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.23	0.40	0.51
		Simulated Divided Light Grilles	0.23	0.36	0.45
		Finelight Grilles	0.23	0.36	0.45
		Full Divided Light Grilles	-	-	-
400 Series Tilt-Wash Double-Hung Full-Frame Windows With Energy Performance Panel AND-N-24	Low-E4*	Without Grilles	0.21	0.28	0.44
		Simulated Divided Light Grilles	0.21	0.25	0.39
		Finelight™ Grilles	0.21	0.25	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.19	0.27	0.42
		Simulated Divided Light Grilles	0.19	0.24	0.37
		Finelight Grilles	0.19	0.24	0.37
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.17	0.26	0.41
		Simulated Divided Light Grilles	0.17	0.23	0.37
		Finelight Grilles	0.17	0.23	0.37
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.21	0.20	0.40
		Simulated Divided Light Grilles	0.21	0.18	0.35
		Finelight Grilles	0.21	0.18	0.35
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.18	0.19	0.38
		Simulated Divided Light Grilles	0.18	0.17	0.34
		Finelight Grilles	0.19	0.17	0.34
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.18	0.37
		Simulated Divided Light Grilles	0.17	0.17	0.33
		Finelight Grilles	0.17	0.17	0.33
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.17	0.36	0.46
		Simulated Divided Light Grilles	0.17	0.32	0.41
		Finelight Grilles	0.17	0.32	0.41
		Full Divided Light Grilles	-	-	-

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Tilt-Wash Transom Full-Frame Windows AND-N-76	Low-E4*	Without Grilles	0.25	0.30	0.51
		Simulated Divided Light Grilles	0.25	0.27	0.45
		Finelight™ Grilles	0.26	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.21	0.29	0.49
		Simulated Divided Light Grilles	0.21	0.26	0.44
		Finelight Grilles	0.21	0.26	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.19	0.28	0.48
		Simulated Divided Light Grilles	0.19	0.25	0.43
		Finelight Grilles	0.19	0.25	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.25	0.20	0.46
		Simulated Divided Light Grilles	0.25	0.18	0.41
		Finelight Grilles	0.25	0.18	0.41
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.21	0.19	0.44
		Simulated Divided Light Grilles	0.21	0.18	0.39
		Finelight Grilles	0.21	0.18	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.19	0.19	0.43
		Simulated Divided Light Grilles	0.19	0.17	0.38
		Finelight Grilles	0.19	0.17	0.38
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.19	0.42	0.53
		Simulated Divided Light Grilles	0.19	0.37	0.47
		Finelight Grilles	0.19	0.37	0.47
		Full Divided Light Grilles	-	-	-
400 Series Circle and Oval Windows AND-N-148	Low-E4*	Without Grilles	0.24	0.32	0.54
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.19	0.31	0.52
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.17	0.30	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.23	0.21	0.49
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.19	0.21	0.47
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.20	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.17	0.44	0.56
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

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1) U-Factor defines the amount of heat loss through the total unit in BTU/hr-ft²-°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
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• Values are for single units with given pane thickness and 3/4" (19 mm) grilles.

400 SERIES WINDOWS WITH TRIPLE-PANE GLASS



NFRC Certified Total Unit Performance for Products With Triple-Pane Glass

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Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Double-Hung Half Circle (CTN) Windows AND-N-7	Low-E4*	Without Grilles	0.24	0.31	0.53
		Simulated Divided Light Grilles	0.24	0.28	0.47
		Finelight™ Grilles	0.24	0.28	0.47
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.20	0.30	0.51
		Simulated Divided Light Grilles	0.20	0.27	0.45
		Finelight Grilles	0.20	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.17	0.29	0.49
		Simulated Divided Light Grilles	0.17	0.26	0.44
		Finelight Grilles	0.18	0.26	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.23	0.21	0.47
		Simulated Divided Light Grilles	0.23	0.19	0.42
		Finelight Grilles	0.24	0.19	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.19	0.20	0.46
		Simulated Divided Light Grilles	0.19	0.18	0.41
		Finelight Grilles	0.20	0.18	0.41
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.19	0.45
		Simulated Divided Light Grilles	0.17	0.18	0.40
		Finelight Grilles	0.18	0.18	0.40
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.18	0.42	0.55
		Simulated Divided Light Grilles	0.18	0.38	0.49
		Finelight Grilles	0.18	0.38	0.49
		Full Divided Light Grilles	-	-	-
400 Series Quarter Circle and Casement/Awning Half Circle Windows AND-N-147	Low-E4*	Without Grilles	0.26	0.32	0.54
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.22	0.31	0.52
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.19	0.30	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.25	0.22	0.49
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.21	0.21	0.47
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.19	0.20	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	PassiveSun™ Enhanced w/HeatLock	Without Grilles	0.19	0.43	0.56
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

Andersen® Product		High-Performance Triple-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³
400 Series Elliptical Windows AND-N-16	Low-E4*	Without Grilles	0.24	0.31	0.53
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.20	0.31	0.51
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.18	0.29	0.50
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.23	0.21	0.48
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.19	0.21	0.46
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.17	0.20	0.45
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	PassiveSun® Enhanced w/HeatLock	Without Grilles	0.18	0.43	0.55
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
400 Series Complementary Specialty Windows AND-N-105	Low-E4*	Without Grilles	0.25	0.32	0.54
		Simulated Divided Light Grilles	0.25	0.28	0.47
		Finelight™ Grilles	0.25	0.29	0.49
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced	Without Grilles	0.20	0.31	0.52
		Simulated Divided Light Grilles	0.20	0.27	0.46
		Finelight Grilles	0.21	0.28	0.47
		Full Divided Light Grilles	-	-	-
	Low-E4 Enhanced w/HeatLock®	Without Grilles	0.18	0.29	0.51
		Simulated Divided Light Grilles	0.18	0.26	0.43
		Finelight Grilles	0.18	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun™	Without Grilles	0.25	0.22	0.49
		Simulated Divided Light Grilles	0.25	0.19	0.42
		Finelight Grilles	0.25	0.20	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced	Without Grilles	0.20	0.21	0.48
		Simulated Divided Light Grilles	0.20	0.18	0.41
		Finelight Grilles	0.20	0.19	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4 SmartSun Enhanced w/HeatLock	Without Grilles	0.18	0.20	0.46
		Simulated Divided Light Grilles	0.18	0.19	0.41
		Finelight Grilles	0.18	0.19	0.41
		Full Divided Light Grilles	-	-	-
	PassiveSun® Enhanced w/HeatLock	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

* "Low-E4*", "Low-E4 SmartSun™", "Low-E4 PassiveSun™" and "HeatLock™" are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr-ft²-°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

* 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 August 2024. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass with capillary breather tubes for high altitudes, etc.

* Values are for single units with given pane thickness and 3/4" (19 mm) grilles.

400 SERIES WINDOWS WITH TRIPLE-PANE GLASS



About the Label

Look for this certification label on every window and patio door you buy. The NFRC section was designed by the National Fenestration Rating Council to provide accurate information that helps you promote the energy efficiency of the homes you build. These ratings allow you – and your customers – to measure and compare the energy performance of similar products. If the product does not have this label, the NFRC has not verified its claims.

About the NFRC

The National Fenestration Rating Council (NFRC) is a nonpartisan coalition of professionals whose purpose is to provide fair, accurate and credible energy performance ratings for fenestration products. NFRC's membership includes manufacturers, suppliers, designers, specifiers, utility companies, government agencies and other building industry representatives.

Andersen Corporation is a founding member of the NFRC and continues to support its work by providing fair, accurate and credible energy performance ratings to consumers and the building industry. If you have any questions about the NFRC, its program or energy performance ratings, write them at: NFRC, 6305 Ivy Lane, Suite 410, Greenbelt, MD 20770. Phone: 301-589-1776. Website: nfrf.org

U-Factor indicates how well a product prevents heat from escaping (the lower the number, the better).

Visible Transmittance refers to how much visible light comes through a product (the closer to 1.0, the more light is transmitted).

WDMA Hallmark Certification verifies the performance ratings of this product were tested by an independent testing laboratory and verified by a third-party certification program.

Test Standards

Do not remove until final code inspection. Save label for future reference.

ENERGY STAR® Certified in Highlighted Regions
Certifié ENERGY STAR dans les régions en surbrillance

Canada
energystar.gc.ca

ENERGY STAR

U.S. / É.U.
energystar.gov

DO NOT REMOVE UNTIL FINAL INSPECTION/NE PAS RETIRER AVANT L'INSPECTION FINALE

NFRC
National Fenestration Rating Council®
CERTIFIED

ANDERSEN®
WINDOWS & DOORS

400 Series Casement Window
AND-N-1-04165-00001
Vinyl-Clad Wood Frame, Triple-Pane Low-E
SmartSun Enhanced Heatlock Glazing with Argon
Product Type: Casement

ENERGY PERFORMANCE RATINGS

U-Factor	Solar Heat Gain Coefficient
0.20 (U.S./I-P)	0.18
1.14 (Metric/SI)	

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance	
0.42	

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.
www.nfrc.org

WDMA
Hallmark Certified
www.wdma.com

Licensee: 129-H-861
Andersen Corporation
400 Series Casement Window
Manufacturer stipulates Hallmark Certification as indicated below.

STANDARD	RATING
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG50 Size Tested 59.5" x 71.9" DP=50-50
AAMA/WDMA/CSA 101/I.S.2/A440-08	Class LC-PG50 Size Tested 59.5" x 71.9" DP=50-50
AAMA/WDMA/CSA 101/I.S.2/A440-08 A440S1-09	Class LC-PG50 Size Tested 1435 mm x 1826 mm Positive/Negative Design Pressure (DP) = 2400 Pa/-2400 Pa Water Penetration Resistance Test Pressure = 360 Pa Canadian Air Infiltration/Exfiltration = A3

FL 12496 Complies with HUD UM Bulletin No. 111.

Glazing: 3.0 mm AN outer / 3.0 mm AN middle / 3.0 mm AN inner

WARNING
This product can expose you to chemicals including titanium dioxide, which is known in the state of California to cause cancer, and methanol, which is known to the state of California to cause birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov

Meets or exceeds CEC & IECC Air Infiltration Requirements of 0.2 CFM/sq.ft. or lower.
WDMA Hallmark Certification Program.

Energy Rating (ER) represents "Energy Rating" and is a rating used in Canada for product comparison purposes (the higher the ER number, the more energy saved during the heating season).

ENERGY STAR® Climate Zone Map is based on U-Factor and solar heat gain coefficient criteria for specific ENERGY STAR climate zones within the United States and Canada. The shading of the map shows which climate zone(s) a particular product and glass type is ENERGY STAR Version 7.0 certified in. Visit andersenwindows.com/energystar for more details.

Solar Heat Gain Coefficient measures how well a product blocks heat caused by sunlight (the lower the number, the more it will help reduce the use of air conditioning and as a result, reduce electrical bills and energy use).

Performance Grade (PG) and Design Pressure (DP) Ratings

Glass Construction used with this product type.

* 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.
* "ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.