



SILVER LINE® WINDOW AND DOOR NFRC/ENERGY STAR® INFORMATION

This document provides NFRC certified U-Factor and Solar Heat Gain Coefficient (SHGC) and Visible Transmittance (VT) values for Silver Line® products along with the corresponding ENERGY STAR® Version 6.0 climate zones in which the product and glass type are certified.

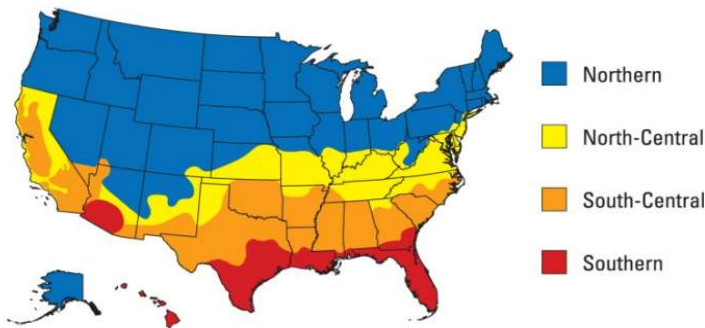


These products are rated, certified and labeled by the National Fenestration Rating Council® (NFRC) - a non-profit organization that provides fair, accurate and credible energy performance ratings for windows and doors.



Many of our products meet the stringent energy efficiency certification criteria set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. The certification criteria is based on the heat gain and loss of each product in various regions of the country. Check the Silver Line product performance available at www.silverlinewindows.com for units that are ENERGY STAR certified.

United States ENERGY STAR® Climate Zone Criteria



Doors

Glazing Level	U-Factor ¹	SHGC ²
Opaque	≤ 0.17	No Rating
≤ ½-Lite	≤ 0.25	≤ 0.25
> ½-Lite	≤ 0.30	Northern North-Central Southern South-Central

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft²
Air Leakage for Swinging Doors ≤ 0.5 cfm/ft²

Windows

Climate Zone	U-Factor ¹	SHGC ²	
Northern*	≤ 0.27	Any	Prescriptive
	= 0.28	≥ 0.32	Equivalent Energy Performance
	= 0.29	≥ 0.37	
	= 0.30	≥ 0.42	
North-Central	≤ 0.30	≤ 0.40	
South-Central	≤ 0.30	≤ 0.25	
Southern	≤ 0.40	≤ 0.25	

Air Leakage ≤ 0.3 cfm/ft²

¹ Btu/h ft² °F

² Solar Heat Gain Coefficient

* The effective date for the Northern Zone prescriptive and equivalent energy performance criteria for windows is January 1, 2016.

¹ U-Factor defines the amount of heat loss through the total unit in BTU/hr·ft²·°F, metric in W/m²·K. The lower the value, the less the heat is lost through the entire product.

² Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and 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 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 January 31, 2022. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Due to variations in dealer and distributor inventory levels, products that were manufactured before January 31, 2022 that were designed, tested and labeled with different NFRC values may still be available. Check the labels on the product packaging to confirm NFRC values. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitude, etc.

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor ¹	SHGC ²	VLT ³	US ENERGY STAR v 6.0				U-Factor ¹		SHGC ²	VLT ³	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V3 Series	Double-Hung Nailing Flange Frame with optional J-Channel	Low-E/Air	2.2mm	Intercept	SIL-N-33	0.33	0.30	0.55	-	-	-	-	Intercept	0.33	0.27	0.49	-	-	-	-		
			3.0mm	Intercept		0.33	0.30	0.54	-	-	-	-	Intercept	0.33	0.27	0.48	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.30	0.55	-	NC	-	-	Intercept	0.30	0.27	0.49	-	NC	-	-		
			3.0mm	Intercept		0.29	0.30	0.54	-	NC	-	-	Intercept	0.29	0.27	0.48	-	NC	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.33	0.45	0.55	-	-	-	-	Intercept	0.33	0.40	0.49	-	-	-	-		
			3.0mm	Intercept		0.33	0.44	0.55	-	-	-	-	Intercept	0.33	0.40	0.49	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.45	0.55	N	-	-	-	Intercept	0.30	0.41	0.49	-	-	-	-		
			2.2mm	Intercept*		0.30	0.45	0.55	N	-	-	-	SS	0.29	0.41	0.49	N	-	-	-		
			3.0mm	Intercept		0.30	0.45	0.55	N	-	-	-	Intercept	0.30	0.40	0.49	-	NC	-	-		
			3.0mm	Intercept*		0.30	0.45	0.55	N	-	-	-	SS	0.28	0.40	0.49	N	NC	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.28	0.36	0.54	N	NC	-	-	Intercept	0.28	0.32	0.48	N	NC	-	-		
			3.0mm	Intercept		0.28	0.36	0.53	N	NC	-	-	Intercept	0.28	0.32	0.48	N	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.26	0.36	0.54	N	NC	-	-	Intercept	0.26	0.32	0.48	N	NC	-	-		
			3.0mm	Intercept		0.26	0.35	0.53	N	NC	-	-	Intercept	0.26	0.32	0.48	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.33	0.22	0.43	-	-	-	S	Intercept	0.33	0.20	0.38	-	-	-	S		
			3.0mm	Intercept		0.33	0.22	0.43	-	-	-	S	Intercept	0.33	0.20	0.38	-	-	-	S		
		Low-E SC/Argon	2.2mm	Intercept		0.30	0.22	0.43	-	NC	SC	S	Intercept	0.30	0.20	0.38	-	NC	SC	S		
			3.0mm	Intercept		0.29	0.22	0.43	-	NC	SC	S	Intercept	0.29	0.20	0.38	-	NC	SC	S		
	Double-Hung Picture Nailing Flange Frame with optional J-Channel	Low-E/Air	3.0mm	Intercept	SIL-N-67	0.30	0.30	0.57	-	NC	-	-	Intercept	0.30	0.27	0.51	-	NC	-	-		
			4.0mm	Intercept		0.30	0.30	0.57	-	NC	-	-	Intercept	0.30	0.27	0.51	-	NC	-	-		
		Low-E/Argon	3.0mm	Intercept		0.26	0.30	0.57	N	NC	-	-	Intercept	0.26	0.27	0.51	N	NC	-	-		
			4.0mm	Intercept		0.26	0.30	0.57	N	NC	-	-	Intercept	0.26	0.27	0.51	N	NC	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.30	0.47	0.59	N	-	-	-	Intercept	0.30	0.42	0.52	N	-	-	-		
			4.0mm	Intercept		0.30	0.46	0.58	N	-	-	-	Intercept	0.30	0.41	0.52	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.26	0.47	0.59	N	-	-	-	Intercept	0.26	0.42	0.52	N	-	-	-		
			4.0mm	Intercept		0.26	0.46	0.58	N	-	-	-	Intercept	0.26	0.42	0.52	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.26	0.39	0.59	N	NC	-	-	Intercept	0.26	0.35	0.53	N	NC	-	-		
			4.0mm	Intercept		0.26	0.38	0.58	N	NC	-	-	Intercept	0.26	0.35	0.52	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.23	0.39	0.59	N	NC	-	-	Intercept	0.23	0.35	0.53	N	NC	-	-		
			4.0mm	Intercept		0.23	0.38	0.58	N	NC	-	-	Intercept	0.23	0.35	0.52	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.29	0.23	0.45	-	NC	SC	S	Intercept	0.29	0.21	0.40	-	NC	SC	S		
			4.0mm	Intercept		0.29	0.23	0.45	-	NC	SC	S	Intercept	0.29	0.21	0.40	-	NC	SC	S		
		Low-E SC/Argon	3.0mm	Intercept		0.26	0.23	0.45	N	NC	SC	S	Intercept	0.26	0.21	0.40	N	NC	SC	S		
			4.0mm	Intercept		0.25	0.23	0.45	N	NC	SC	S	Intercept	0.25	0.21	0.40	N	NC	SC	S		
	Double-Hung Specialty Shapes Nailing Flange Frame with optional J-Channel	Low-E/Air	3.0mm	SS	SIL-N-67	0.29	0.30	0.57	-	NC	-	-	SS	0.29	0.28	0.51	-	NC	-	-		
			4.0mm	SS		0.29	0.30	0.57	-	NC	-	-	SS	0.29	0.27	0.51	-	NC	-	-		
		Low-E/Argon	3.0mm	SS		0.25	0.30	0.57	N	NC	-	-	SS	0.25	0.27	0.51	N	NC	-	-		
			4.0mm	SS		0.25	0.30	0.57	N	NC	-	-	SS	0.25	0.27	0.51	N	NC	-	-		
		Low-E PS/Air	3.0mm	SS		0.29	0.47	0.59	N	-	-	-	SS	0.29	0.42	0.52	N	-	-	-		
			4.0mm	SS		0.30	0.46	0.58	N	-	-	-	SS	0.30	0.41	0.52	-	-	-	-		
		Low-E PS/Argon	3.0mm	SS		0.25	0.47	0.59	N	-	-	-	SS	0.25	0.42	0.52	N	-	-	-		
			4.0mm	SS		0.26	0.46	0.58	N	-	-	-	SS	0.26	0.42	0.52	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	SS		0.25	0.39	0.59	N	NC	-	-	SS	0.25	0.35	0.53	N	NC	-	-		
			4.0mm	SS		0.26	0.38	0.58	N	NC	-	-	SS	0.26	0.35	0.52	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	SS		0.23	0.39	0.59	N	NC	-	-	SS	0.23	0.35	0.53	N	NC	-	-		
			4.0mm	SS		0.23	0.38	0.58	N	NC	-	-	SS	0.23	0.35	0.52	N	NC	-	-		
		Low-E SC/Air	3.0mm	SS		0.29	0.23	0.45	-	NC	SC	S	SS	0.29	0.21	0.40	-	NC	SC	S		
			4.0mm	SS		0.29	0.24	0.45	-	NC	SC	S	SS	0.29	0.21	0.40	-	NC	SC	S		
	Low-E SC/Argon	3.0mm	SS	0.25	0.23	0.45	N	NC	SC	S	SS	0.25	0.21	0.40	N	NC	SC	S				
		4.0mm	SS	0.25	0.23	0.45	N	NC	SC	S	SS	0.25	0.21	0.40	N	NC	SC	S				
	Double Hung Insert Frame	Clear/Air	2.2mm	Intercept	SIL-N-61	0.46	0.60	0.62	-	-	-	-	Intercept	0.46	0.54	0.55	-	-	-	-		
			3.0mm	Intercept		0.46	0.59	0.61	-	-	-	-	Intercept	0.46	0.53	0.54	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.33	0.29	0.53	-	-	-	-	Intercept	0.33	0.26	0.47	-	-	-	-		
			3.0mm	Intercept		0.33	0.29	0.52	-	-	-	-	Intercept	0.33	0.26	0.47	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.29	0.53	-	NC	-	-	Intercept	0.30	0.26	0.47	-	NC	-	-		
			3.0mm	Intercept		0.30	0.29	0.52	-	NC	-	-	Intercept	0.30	0.26	0.47	-	NC	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.34	0.44	0.53	-	-	-	-	Intercept	0.34	0.39	0.47	-	-	-	-		
			3.0mm	Intercept		0.33	0.43	0.53	-	-	-	-	Intercept	0.33	0.39	0.47	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.44	0.53	N	-	-	-	SS	0.29	0.39	0.47	N	NC	-	-		
			3.0mm	Intercept		0.30	0.43	0.53	N	-	-	-	SS	0.29	0.39	0.47	N	NC	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.29	0.35	0.52	-	NC	-	-	Intercept	0.29	0.31	0.46	-	NC	-	-		
			3.0mm	Intercept		0.29	0.34	0.51	-	NC	-	-	Intercept	0.29	0.31	0.46	-	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.27	0.35	0.52	N	NC	-	-	Intercept	0.27	0.31	0.46	N	NC	-	-		
			3.0mm	Intercept		0.27	0.34	0.51	N	NC	-	-	Intercept	0.27	0.31	0.46	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.33	0.21	0.42	-	-	-	S	Intercept	0.33	0.19	0.37	-	-	-	S		
	3.0mm		Intercept	0.33	0.21	0.41	-	-	-	S	Intercept	0.33	0.19	0.37	-	-	-	S				
	Low-E SC/Argon	2.2mm	Intercept	0.30	0.21	0.42	-	NC	SC	S	Intercept	0.30	0.19	0.37	-	NC	SC	S				
3.0mm		Intercept	0.30	0.21	0.41	-	NC	SC	S	Intercept	0.30	0.19	0.37	-	NC	SC	S					

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor1	SHGC2	VLT3	US ENERGY STAR v 6.0				U-Factor1		SHGC2	VLT3	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V3 Series	Gliding Insert Frame	Clear/Air	2.2mm	Intercept	SIL-N-10	0.47	0.60	0.62	-	-	-	-	Intercept	0.47	0.54	0.55	-	-	-	-		
			3.0mm	Intercept		0.47	0.59	0.61	-	-	-	-	Intercept	0.47	0.53	0.55	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.34	0.29	0.53	-	-	-	-	Intercept	0.34	0.27	0.47	-	-	-	-		
			3.0mm	Intercept		0.34	0.29	0.52	-	-	-	-	Intercept	0.34	0.26	0.47	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.29	0.53	-	NC	-	-	Intercept	0.30	0.26	0.47	-	NC	-	-		
			3.0mm	Intercept		0.30	0.29	0.52	-	NC	-	-	Intercept	0.30	0.26	0.47	-	NC	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.34	0.44	0.54	-	-	-	-	Intercept	0.34	0.39	0.48	-	-	-	-		
			3.0mm	Intercept		0.34	0.43	0.53	-	-	-	-	Intercept	0.34	0.39	0.47	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.31	0.44	0.54	-	-	-	-	Intercept	0.31	0.39	0.48	-	-	-	-		
			3.0mm	Intercept		0.31	0.43	0.53	-	-	-	-	Intercept	0.31	0.39	0.47	-	-	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.29	0.35	0.52	-	NC	-	-	Intercept	0.29	0.31	0.46	-	NC	-	-		
			3.0mm	Intercept		0.29	0.35	0.52	-	NC	-	-	Intercept	0.29	0.31	0.46	-	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.27	0.35	0.52	N	NC	-	-	Intercept	0.27	0.31	0.46	N	NC	-	-		
			3.0mm	Intercept		0.27	0.34	0.52	N	NC	-	-	Intercept	0.27	0.31	0.46	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.34	0.21	0.42	-	-	-	S	Intercept	0.34	0.19	0.37	-	-	-	S		
			3.0mm	Intercept		0.33	0.22	0.42	-	-	-	S	Intercept	0.33	0.19	0.37	-	-	-	S		
		Low-E SC/Argon	2.2mm	Intercept		0.30	0.21	0.42	-	NC	SC	S	Intercept	0.30	0.19	0.37	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.21	0.42	-	NC	SC	S	Intercept	0.30	0.19	0.37	-	NC	SC	S		
	Casement Insert or Nailing Flange Frame with Optional J-Channel	Clear/Air	2.2mm	Intercept	SIL-N-56	0.40	0.51	0.52	-	-	-	-	Intercept	0.40	0.46	0.47	-	-	-	-		
			3.0mm	Intercept		0.40	0.50	0.52	-	-	-	-	Intercept	0.40	0.45	0.46	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.30	0.25	0.44	-	NC	SC	S	Intercept	0.30	0.23	0.40	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.25	0.44	-	NC	SC	S	Intercept	0.30	0.23	0.40	-	NC	SC	S		
		Low-E/Argon	2.2mm	Intercept		0.27	0.25	0.44	N	NC	SC	S	Intercept	0.27	0.23	0.40	N	NC	SC	S		
			3.0mm	Intercept		0.27	0.25	0.44	N	NC	SC	S	Intercept	0.27	0.23	0.40	N	NC	SC	S		
		Low-E PS/Air	2.2mm	Intercept		0.30	0.37	0.45	-	NC	-	-	Intercept	0.30	0.33	0.41	-	NC	-	-		
			3.0mm	Intercept		0.30	0.36	0.45	-	NC	-	-	Intercept	0.30	0.33	0.40	-	NC	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.27	0.37	0.45	N	NC	-	-	Intercept	0.27	0.34	0.41	N	NC	-	-		
			3.0mm	Intercept		0.27	0.37	0.45	N	NC	-	-	Intercept	0.27	0.33	0.40	N	NC	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.27	0.31	0.45	N	NC	-	-	Intercept	0.27	0.28	0.41	N	NC	-	-		
			3.0mm	Intercept		0.27	0.30	0.45	N	NC	-	-	Intercept	0.27	0.28	0.40	N	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.25	0.30	0.45	N	NC	-	-	Intercept	0.25	0.28	0.41	N	NC	-	-		
			3.0mm	Intercept		0.25	0.30	0.45	N	NC	-	-	Intercept	0.25	0.27	0.40	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.30	0.18	0.35	-	NC	SC	S	Intercept	0.30	0.17	0.32	-	NC	SC	S		
			3.0mm	Intercept		0.29	0.18	0.35	-	NC	SC	S	Intercept	0.29	0.17	0.31	-	NC	SC	S		
		Low-E SC/Argon	2.2mm	Intercept		0.27	0.18	0.35	N	NC	SC	S	Intercept	0.27	0.17	0.32	N	NC	SC	S		
			3.0mm	Intercept		0.27	0.18	0.35	N	NC	SC	S	Intercept	0.27	0.17	0.31	N	NC	SC	S		
	Awning Insert or Nailing Flange Frame with optional J-Channel	Clear/Air	2.2mm	Intercept	SIL-N-57	0.42	0.51	0.52	-	-	-	-	Intercept	0.42	0.46	0.47	-	-	-	-		
			3.0mm	Intercept		0.42	0.50	0.52	-	-	-	-	Intercept	0.42	0.45	0.46	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.30	0.25	0.44	-	NC	SC	S	Intercept	0.30	0.23	0.40	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.25	0.44	-	NC	SC	S	Intercept	0.30	0.23	0.40	-	NC	SC	S		
		Low-E/Argon	2.2mm	Intercept		0.28	0.25	0.44	-	NC	SC	S	Intercept	0.28	0.23	0.40	-	NC	SC	S		
			3.0mm	Intercept		0.28	0.25	0.44	-	NC	SC	S	Intercept	0.28	0.23	0.40	-	NC	SC	S		
		Low-E PS/Air	2.2mm	Intercept		0.31	0.37	0.45	-	-	-	-	Intercept	0.31	0.33	0.41	-	-	-	-		
			3.0mm	Intercept		0.31	0.36	0.45	-	-	-	-	Intercept	0.31	0.33	0.40	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.28	0.37	0.45	N	NC	-	-	Intercept	0.28	0.34	0.41	N	NC	-	-		
			3.0mm	Intercept		0.28	0.37	0.45	N	NC	-	-	Intercept	0.28	0.33	0.40	N	NC	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.28	0.31	0.45	-	NC	-	-	Intercept	0.28	0.28	0.41	-	NC	-	-		
			3.0mm	Intercept		0.28	0.30	0.45	-	NC	-	-	Intercept	0.28	0.28	0.40	-	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.26	0.31	0.45	N	NC	-	-	Intercept	0.26	0.28	0.41	N	NC	-	-		
			3.0mm	Intercept		0.26	0.30	0.45	N	NC	-	-	Intercept	0.26	0.27	0.40	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.30	0.18	0.35	-	NC	SC	S	Intercept	0.30	0.17	0.32	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.18	0.35	-	NC	SC	S	Intercept	0.30	0.17	0.31	-	NC	SC	S		
		Low-E SC/Argon	2.2mm	Intercept		0.27	0.18	0.35	N	NC	SC	S	Intercept	0.27	0.17	0.32	N	NC	SC	S		
			3.0mm	Intercept		0.27	0.18	0.35	N	NC	SC	S	Intercept	0.27	0.17	0.31	N	NC	SC	S		
	Casement Picture Insert or Nailing Flange Frame with optional J-Channel and/or Double-Hung Picture Insert Frame	Clear/Air	3.0mm	Intercept	SIL-N-55	0.46	0.66	0.69	-	-	-	-	Intercept	0.46	0.59	0.62	-	-	-	-		
			4.0mm	Intercept		0.46	0.64	0.69	-	-	-	-	Intercept	0.46	0.58	0.62	-	-	-	-		
		Low-E/Air	3.0mm	Intercept		0.31	0.33	0.59	-	-	-	-	Intercept	0.31	0.30	0.53	-	-	-	-		
			4.0mm	Intercept		0.31	0.33	0.59	-	-	-	-	Intercept	0.31	0.30	0.53	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.27	0.33	0.59	N	NC	-	-	Intercept	0.27	0.30	0.53	N	NC	-	-		
			4.0mm	Intercept		0.27	0.33	0.59	N	NC	-	-	Intercept	0.27	0.29	0.53	N	NC	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.31	0.48	0.60	-	-	-	-	Intercept	0.31	0.43	0.54	-	-	-	-		
			4.0mm	Intercept		0.31	0.47	0.59	-	-	-	-	Intercept	0.31	0.42	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.27	0.48	0.60	N	-	-	-	Intercept	0.27	0.44	0.54	N	-	-	-		
			4.0mm	Intercept		0.27	0.47	0.59	N	-	-	-	Intercept	0.27	0.43	0.53	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.27	0.40	0.60	N	NC	-	-	Intercept	0.27	0.36	0.54	N	NC	-	-		
			4.0mm	Intercept		0.27	0.39	0.60	N	NC	-	-	Intercept	0.27	0.36	0.54	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept	0.24	0.40	0.60	N	NC	-	-	Intercept	0.24	0.36	0.54	N	NC	-	-			
4.0mm			Intercept	0.24	0.39	0.60	N	NC	-	-	Intercept	0.24	0.36	0.54	N	NC	-	-				
Low-E SC/Air		3.0mm	Intercept	0.31	0.24	0.47	-	-	-	S	Intercept	0.31	0.22	0.42	-	-	-	S				
		4.0mm	Intercept	0.31	0.24	0.46	-	-	-	S	Intercept	0.31	0.22	0.42	-	-	-	S				
Low-E SC/Argon		3.0mm	Intercept	0.27	0.24	0.47	N	NC	SC	S	Intercept	0.27	0.22	0.42	N	NC	SC	S				
		4.0mm	Intercept	0.27	0.24	0.46	N	NC	SC	S	Intercept	0.27	0.22	0.42	N	NC	SC	S				

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor ¹	SHGC ²	VT ³	US ENERGY STAR v 6.0				U-Factor ¹		SHGC ²	VT ³	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V3 Series	Casement Specialty Shapes Insert or Nailing Flange Frame with optional J-Channel and/or Double-Hung Specialty Shapes Insert Frame	Clear/Air	3.0mm	SS	SIL-N-55	0.45	0.66	0.69	-	-	-	-	SS	0.45	0.59	0.62	-	-	-	-		
			4.0mm	SS		0.45	0.64	0.69	-	-	-	-	SS	0.46	0.58	0.62	-	-	-	-		
		Low-E/Air	3.0mm	SS		0.30	0.33	0.59	-	NC	-	-	SS	0.30	0.30	0.53	-	NC	-	-	-	
			4.0mm	SS		0.30	0.33	0.59	-	NC	-	-	SS	0.32	0.30	0.53	-	-	-	-	-	
		Low-E/Argon	3.0mm	SS		0.26	0.33	0.59	N	NC	-	-	SS	0.26	0.30	0.53	N	NC	-	-	-	
			4.0mm	SS		0.26	0.33	0.59	N	NC	-	-	SS	0.27	0.29	0.53	N	NC	-	-	-	
		Low-E PS/Air	3.0mm	SS		0.30	0.48	0.60	N	-	-	-	SS	0.30	0.43	0.54	N	-	-	-	-	
			4.0mm	SS		0.31	0.47	0.59	-	-	-	-	SS	0.32	0.42	0.53	-	-	-	-	-	
		Low-E PS/Argon	3.0mm	SS		0.26	0.48	0.60	N	-	-	-	SS	0.26	0.44	0.54	N	-	-	-	-	
			4.0mm	SS		0.26	0.47	0.59	N	-	-	-	SS	0.27	0.43	0.53	N	-	-	-	-	
		Low-E2+ PS/Air	3.0mm	SS		0.26	0.40	0.60	N	NC	-	-	SS	0.26	0.36	0.54	N	NC	-	-	-	
			4.0mm	SS		0.27	0.40	0.60	N	NC	-	-	SS	0.28	0.36	0.54	N	NC	-	-	-	
		Low-E2+ PS/Argon	3.0mm	SS		0.23	0.40	0.60	N	NC	-	-	SS	0.23	0.36	0.54	N	NC	-	-	-	
			4.0mm	SS		0.24	0.39	0.60	N	NC	-	-	SS	0.24	0.36	0.54	N	NC	-	-	-	
		Low-E SC/Air	3.0mm	SS		0.30	0.24	0.47	-	NC	SC	S	SS	0.30	0.22	0.42	-	NC	SC	S	S	
			4.0mm	SS		0.30	0.24	0.46	-	NC	SC	S	SS	0.31	0.22	0.42	-	-	-	-	S	
		Low-E SC/Argon	3.0mm	SS		0.26	0.24	0.47	N	NC	SC	S	SS	0.26	0.22	0.42	N	NC	SC	S	S	
			4.0mm	SS		0.26	0.24	0.46	N	NC	SC	S	SS	0.27	0.22	0.42	N	NC	SC	S	S	
		Gliding Patio Door Nailing Flange with J-Channel Frame	Clear/Air	3.0mm Temp		Intercept	SIL-N-36	0.46	0.64	0.66	-	-	-	-	Intercept	0.46	0.56	0.58	-	-	-	-
				4.0mm Temp		Intercept		0.46	0.63	0.66	-	-	-	-	Intercept	0.46	0.55	0.58	-	-	-	-
			Low-E/Air	3.0mm Temp		Intercept		0.32	0.32	0.57	-	-	-	-	Intercept	0.32	0.28	0.50	-	-	-	-
				4.0mm Temp		Intercept		0.32	0.31	0.56	-	-	-	-	Intercept	0.32	0.28	0.49	-	-	-	-
			Low-E/Argon	3.0mm Temp		Intercept		0.28	0.31	0.57	N	NC	-	-	Intercept	0.28	0.28	0.50	N	NC	-	-
				4.0mm Temp		Intercept		0.28	0.31	0.56	N	NC	-	-	Intercept	0.28	0.28	0.49	N	NC	-	-
	Low-E PS/Air		3.0mm Temp	Intercept	0.32	0.46		0.57	-	-	-	-	Intercept	0.32	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept	0.33	0.46		0.57	-	-	-	-	Intercept	0.33	0.40	0.50	-	-	-	-		
	Low-E PS/Argon		3.0mm Temp	Intercept	0.28	0.47		0.57	-	-	-	-	Intercept	0.28	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept	0.28	0.46		0.57	-	-	-	-	Intercept	0.28	0.41	0.50	-	-	-	-		
	Low-E2+ PS/Air		3.0mm Temp	Intercept	0.27	0.37		0.56	N	NC	-	-	Intercept	0.27	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept	0.28	0.37		0.55	N	NC	-	-	Intercept	0.28	0.33	0.49	N	NC	-	-		
	Low-E2+ PS/Argon		3.0mm Temp	Intercept	0.24	0.37		0.56	N	NC	-	-	Intercept	0.24	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept	0.25	0.37		0.55	N	NC	-	-	Intercept	0.25	0.32	0.49	N	NC	-	-		
	Low-E SC/Air		3.0mm Temp	Intercept	0.32	0.23		0.45	-	-	-	-	Intercept	0.32	0.21	0.39	-	-	-	-		
			4.0mm Temp	Intercept	0.32	0.23		0.45	-	-	-	-	Intercept	0.32	0.21	0.39	-	-	-	-		
	Low-E SC/Argon		3.0mm Temp	Intercept	0.28	0.23		0.45	N	NC	SC	S	Intercept	0.28	0.20	0.39	N	NC	SC	S		
			4.0mm Temp	Intercept	0.28	0.23		0.45	N	NC	SC	S	Intercept	0.28	0.20	0.39	N	NC	SC	S		
	Gliding Patio Sidelight Nailing Flange with J-Channel Frame		Clear/Air	3.0mm Temp	Intercept	SIL-N-65		0.45	0.63	0.65	-	-	-	-	Intercept	0.45	0.57	0.58	-	-	-	-
				4.0mm Temp	Intercept			0.46	0.62	0.65	-	-	-	-	Intercept	0.46	0.55	0.58	-	-	-	-
			Low-E/Air	3.0mm Temp	Intercept			0.31	0.31	0.56	-	-	-	-	Intercept	0.31	0.28	0.50	-	-	-	-
				4.0mm Temp	Intercept			0.32	0.31	0.55	-	-	-	-	Intercept	0.32	0.28	0.50	-	-	-	-
			Low-E/Argon	3.0mm Temp	Intercept			0.28	0.31	0.56	-	NC	-	-	Intercept	0.28	0.28	0.50	-	NC	-	-
				4.0mm Temp	Intercept			0.28	0.31	0.55	-	NC	-	-	Intercept	0.28	0.28	0.50	-	NC	-	-
		Low-E PS/Air	3.0mm Temp	Intercept	0.32		0.46	0.57	-	-	-	-	Intercept	0.32	0.41	0.51	-	-	-	-		
			4.0mm Temp	Intercept	0.32		0.45	0.56	-	-	-	-	Intercept	0.32	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	3.0mm Temp	Intercept	0.28		0.46	0.57	N	-	-	-	Intercept	0.28	0.41	0.51	N	-	-	-		
			4.0mm Temp	Intercept	0.28		0.45	0.56	N	-	-	-	Intercept	0.28	0.41	0.50	N	-	-	-		
		Low-E2+ PS/Air	3.0mm Temp	Intercept	0.27		0.37	0.55	N	NC	-	-	Intercept	0.27	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept	0.27		0.36	0.55	N	NC	-	-	Intercept	0.27	0.33	0.49	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm Temp	Intercept	0.24		0.37	0.55	N	NC	-	-	Intercept	0.24	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept	0.25		0.36	0.55	N	NC	-	-	Intercept	0.25	0.33	0.49	N	NC	-	-		
		Low-E SC/Air	3.0mm Temp	Intercept	0.31		0.23	0.44	-	-	-	S	Intercept	0.31	0.21	0.39	-	-	-	S		
			4.0mm Temp	Intercept	0.32		0.23	0.44	-	-	-	S	Intercept	0.32	0.21	0.39	-	-	-	S		
		Low-E SC/Argon	3.0mm Temp	Intercept	0.28		0.22	0.44	-	NC	SC	S	Intercept	0.28	0.20	0.39	-	NC	SC	S		
			4.0mm Temp	Intercept	0.28		0.22	0.44	-	NC	SC	S	Intercept	0.28	0.20	0.39	-	NC	SC	S		
		Gliding Patio Transom Nailing Flange with J-Channel Frame	Clear/Air	3.0mm Temp	Intercept		SIL-N-66	0.47	0.63	0.65	-	-	-	-	Intercept	0.47	0.57	0.59	-	-	-	-
				4.0mm Temp	Intercept			0.47	0.61	0.65	-	-	-	-	Intercept	0.47	0.56	0.59	-	-	-	-
			Low-E/Air	3.0mm Temp	Intercept			0.32	0.31	0.56	-	-	-	-	Intercept	0.32	0.28	0.50	-	-	-	-
				4.0mm Temp	Intercept			0.33	0.31	0.55	-	-	-	-	Intercept	0.33	0.28	0.50	-	-	-	-
			Low-E/Argon	3.0mm Temp	Intercept			0.29	0.31	0.56	-	NC	-	-	Intercept	0.29	0.28	0.50	-	NC	-	-
				4.0mm Temp	Intercept			0.29	0.31	0.55	-	NC	-	-	Intercept	0.29	0.28	0.50	-	NC	-	-
	Low-E PS/Air		3.0mm Temp	Intercept	0.32	0.45		0.56	-	-	-	-	Intercept	0.32	0.41	0.51	-	-	-	-		
			4.0mm Temp	Intercept	0.33	0.45		0.56	-	-	-	-	Intercept	0.33	0.41	0.51	-	-	-	-		
	Low-E PS/Argon		3.0mm Temp	Intercept	0.29	0.46		0.56	N	-	-	-	Intercept	0.29	0.42	0.51	N	-	-	-		
			4.0mm Temp	Intercept	0.29	0.45		0.56	N	-	-	-	Intercept	0.29	0.41	0.51	N	-	-	-		
	Low-E2+ PS/Air		3.0mm Temp	Intercept	0.28	0.36		0.55	-	NC	-	-	Intercept	0.28	0.33	0.50	N	NC	-	-		
			4.0mm Temp	Intercept	0.29	0.36		0.54	-	NC	-	-	Intercept	0.29	0.33	0.49	-	NC	-	-		
	Low-E2+ PS/Argon		3.0mm Temp	Intercept	0.26	0.36		0.55	N	NC	-	-	Intercept	0.26	0.33	0.50	N	NC	-	-		
			4.0mm Temp	Intercept	0.26	0.36		0.54	N	NC	-	-	Intercept	0.26	0.33	0.49	N	NC	-	-		
	Low-E SC/Air		3.0mm Temp	Intercept	0.32	0.23		0.44	-	-	-	S	Intercept	0.32	0.21	0.40	-	-	-	S		
4.0mm Temp			Intercept	0.33	0.23	0.44		-	-	-	S	Intercept	0.33	0.21	0.40	-	-	-	S			
Low-E SC/Argon	3.0mm Temp		Intercept	0.29	0.22	0.44		-	NC	SC	S	Intercept	0.29	0.20	0.40	-	NC	SC	S			
	4.0mm Temp		Intercept	0.29	0.22	0.44		-	NC	SC	S	Intercept	0.29	0.20	0.40	-	NC	SC	S			

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor1	SHGC2	VLT3	US ENERGY STAR v 6.0				U-Factor1		SHGC2	VLT3	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V3 Series	Gliding Patio Door, Blinds-Between-the-Glass, Nailing Flange & J-Channel	Low-E/Air	3.0mm Temp	Intercept	SIL-N-36	0.35	0.28	0.51	-	-	-	-	Intercept	-	-	-	-	-	-	-		
	Gliding Patio Door Sidelight, Blinds-Between-the-Glass, Nailing Flange & J-Channel	Low-E/Air	3.0mm Temp	Intercept	SIL-N-65	0.34	0.28	0.50	-	-	-	-	Intercept	-	-	-	-	-	-	-		
V3 Series with Coastal Watch™ Protection	Double-Hung Nailing Flange Frame with optional J-Channel	Low-E/Air	Lami/3.0mm	Intercept	SIL-N-33	0.35	0.29	0.52	-	-	-	-	Intercept	0.36	0.26	0.46	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	Intercept		0.31	0.29	0.52	-	-	-	-	Intercept	0.32	0.26	0.46	-	-	-	-		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.35	0.22	0.41	-	-	-	S	Intercept	0.36	0.19	0.36	-	-	-	S		
		Low-E SC/Argon	Lami/3.0mm	Intercept		0.31	0.21	0.41	-	-	-	S	Intercept	0.32	0.19	0.36	-	-	-	S		
	Gliding Insert Frame	Clear/Air	Lami/3.0mm	Intercept	SIL-N-10	0.48	0.56	0.60	-	-	-	-	Intercept	0.48	0.50	0.53	-	-	-	-		
		Low-E/Air	Lami/3.0mm	Intercept		0.35	0.29	0.51	-	-	-	-	Intercept	0.35	0.26	0.46	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	Intercept		0.31	0.29	0.51	-	-	-	-	Intercept	0.31	0.26	0.46	-	-	-	-		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.35	0.21	0.41	-	-	-	S	Intercept	0.35	0.19	0.36	-	-	-	S		
	Low-E SC/Argon	Lami/3.0mm	Intercept	0.31		0.21	0.41	-	-	-	S	Intercept	0.31	0.19	0.36	-	-	-	S			
	Casement Insert or Nailing Flange Frame with optional J-Channel	Clear/Air	Lami/3.0mm	Intercept	SIL-N-57	0.40	0.47	0.51	-	-	-	-	Intercept	0.41	0.43	0.46	-	-	-	-		
		Low-E/Air	Lami/3.0mm	Intercept		0.30	0.25	0.44	-	NC	SC	S	Intercept	0.31	0.23	0.39	-	-	-	S		
		Low-E/Argon	Lami/3.0mm	Intercept		0.27	0.25	0.44	N	NC	SC	S	Intercept	0.28	0.23	0.39	-	NC	SC	S		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.30	0.18	0.35	-	NC	SC	S	Intercept	0.31	0.17	0.31	-	-	-	S		
	Low-E SC/Argon	Lami/3.0mm	Intercept	0.27		0.18	0.35	N	NC	SC	S	Intercept	0.27	0.17	0.31	N	NC	SC	S			
	Awning Insert or Nailing Flange Frame with optional J-Channel	Clear/Air	Lami/3.0mm	Intercept	SIL-N-55	0.41	0.47	0.51	-	-	-	-	Intercept	0.41	0.43	0.46	-	-	-	-		
		Low-E/Air	Lami/3.0mm	Intercept		0.31	0.25	0.44	-	-	-	S	Intercept	0.32	0.23	0.39	-	-	-	S		
		Low-E/Argon	Lami/3.0mm	Intercept		0.27	0.25	0.44	N	NC	SC	S	Intercept	0.28	0.23	0.39	-	NC	SC	S		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.31	0.19	0.35	-	-	-	S	Intercept	0.32	0.17	0.31	-	-	-	S		
	Low-E SC/Argon	Lami/3.0mm	Intercept	0.27		0.18	0.35	N	NC	SC	S	Intercept	0.28	0.17	0.31	-	NC	SC	S			
	Casement Picture Insert or Nailing Flange Frame with optional J-Channel	Clear/Air	Lami/3.0mm	Intercept	SIL-N-55	0.45	0.63	0.69	-	-	-	-	Intercept	0.46	0.57	0.62	-	-	-	-		
		Low-E/Air	Lami/3.0mm	Intercept		0.32	0.33	0.59	-	-	-	-	Intercept	0.33	0.30	0.53	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	Intercept		0.27	0.33	0.59	N	NC	-	-	Intercept	0.28	0.30	0.53	-	NC	-	-		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.31	0.24	0.47	-	-	-	S	Intercept	0.33	0.22	0.42	-	-	-	S		
	Low-E SC/Argon	Lami/3.0mm	Intercept	0.27		0.24	0.47	N	NC	SC	S	Intercept	0.28	0.22	0.42	-	NC	SC	S			
	Casement Shapes Insert or Nailing Flange Frame with optional J-Channel	Clear/Air	Lami/3.0mm	SS	SIL-N-55	0.45	0.63	0.69	-	-	-	-	SS	0.46	0.57	0.62	-	-	-	-		
		Low-E/Air	Lami/3.0mm	SS		0.32	0.33	0.59	-	-	-	-	SS	0.34	0.30	0.53	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	SS		0.27	0.33	0.59	N	NC	-	-	SS	0.29	0.30	0.53	-	NC	-	-		
		Low-E SC/Air	Lami/3.0mm	SS		0.32	0.24	0.47	-	-	-	S	SS	0.33	0.22	0.42	-	-	-	S		
	Low-E SC/Argon	Lami/3.0mm	SS	0.27		0.24	0.47	N	NC	SC	S	SS	0.28	0.22	0.42	-	NC	SC	S			
	Gliding Patio Door Nailing Flange with J-Channel Frame	Clear/Air	Lami/3.0mm Temp	Intercept	SIL-N-36	0.44	0.61	0.65	-	-	-	-	Intercept	0.44	0.53	0.57	-	-	-	-		
		Low-E/Air	Lami/3.0mm Temp	Intercept		0.31	0.31	0.55	-	-	-	-	Intercept	0.31	0.28	0.49	-	-	-	-		
		Low-E/Argon	Lami/3.0mm Temp	Intercept		0.28	0.31	0.55	N	NC	-	-	Intercept	0.28	0.27	0.49	N	NC	-	-		
		Low-E SC/Air	Lami/3.0mm Temp	Intercept		0.31	0.23	0.44	-	-	-	-	Intercept	0.31	0.20	0.38	-	-	-	-		
	Low-E SC/Argon	Lami/3.0mm Temp	Intercept	0.28		0.22	0.44	N	NC	SC	S	Intercept	0.28	0.20	0.38	N	NC	SC	S			

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor1	SHGC2	VT3	US ENERGY STAR v 6.0				U-Factor1		SHGC2	VT3	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series	Double-Hung Insert Frame	Clear/Air	2.2mm	Intercept	SIL-N-2	0.48	0.63	0.64	-	-	-	-	Intercept	0.48	0.56	0.57	-	-	-	-		
			3.0mm	Intercept		0.48	0.62	0.64	-	-	-	-	Intercept	0.49	0.55	0.57	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.34	0.31	0.55	-	-	-	-	Intercept	0.35	0.28	0.49	-	-	-	-		
			3.0mm	Intercept		0.35	0.31	0.55	-	-	-	-	Intercept	0.36	0.28	0.49	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.30	0.28	0.49	-	NC	-	-		
			3.0mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.32	0.28	0.49	-	-	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.34	0.46	0.56	-	-	-	-	Intercept	0.35	0.41	0.50	-	-	-	-		
			3.0mm	Intercept		0.35	0.45	0.56	-	-	-	-	Intercept	0.36	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.46	0.56	N	-	-	-	Intercept	0.31	0.41	0.50	-	-	-	-		
			3.0mm	Intercept		0.31	0.45	0.56	-	-	-	-	Intercept	0.32	0.41	0.50	-	-	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.30	0.37	0.54	-	NC	-	-	Intercept	0.31	0.33	0.48	-	-	-	-		
			3.0mm	Intercept		0.30	0.36	0.54	-	NC	-	-	Intercept	0.31	0.33	0.48	-	-	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.27	0.37	0.54	N	NC	-	-	Intercept	0.28	0.33	0.48	N	NC	-	-		
			3.0mm	Intercept		0.27	0.36	0.54	N	NC	-	-	Intercept	0.28	0.32	0.48	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.35	0.20	0.39	-	-	-	S		
			3.0mm	Intercept		0.35	0.23	0.43	-	-	-	S	Intercept	0.36	0.21	0.39	-	-	-	S		
		Low-E SC/Argon	2.2mm	Intercept		0.30	0.22	0.44	-	NC	SC	S	Intercept	0.30	0.20	0.39	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.22	0.43	-	NC	SC	S	Intercept	0.31	0.20	0.39	-	-	-	S		
	Double Hung Picture Insert Frame	Clear/Air	3.0mm	Intercept	SIL-N-55	0.46	0.66	0.69	-	-	-	-	Intercept	0.46	0.59	0.62	-	-	-	-		
			4.0mm	Intercept		0.46	0.64	0.69	-	-	-	-	Intercept	0.46	0.58	0.62	-	-	-	-		
		Low-E/Air	3.0mm	Intercept		0.31	0.33	0.59	-	-	-	-	Intercept	0.31	0.30	0.53	-	-	-	-		
			4.0mm	Intercept		0.31	0.33	0.59	-	-	-	-	Intercept	0.31	0.30	0.53	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.27	0.33	0.59	N	NC	-	-	Intercept	0.27	0.30	0.53	N	NC	-	-		
			4.0mm	Intercept		0.27	0.33	0.59	N	NC	-	-	Intercept	0.27	0.29	0.53	N	NC	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.31	0.48	0.60	-	-	-	-	Intercept	0.31	0.43	0.54	-	-	-	-		
			4.0mm	Intercept		0.31	0.47	0.59	-	-	-	-	Intercept	0.31	0.42	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.27	0.48	0.60	N	-	-	-	Intercept	0.27	0.44	0.54	N	-	-	-		
			4.0mm	Intercept		0.27	0.47	0.59	N	-	-	-	Intercept	0.27	0.43	0.53	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.27	0.40	0.60	N	NC	-	-	Intercept	0.27	0.36	0.54	N	NC	-	-		
			4.0mm	Intercept		0.27	0.39	0.60	N	NC	-	-	Intercept	0.27	0.36	0.54	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.24	0.40	0.60	N	NC	-	-	Intercept	0.24	0.36	0.54	N	NC	-	-		
			4.0mm	Intercept		0.24	0.39	0.60	N	NC	-	-	Intercept	0.24	0.36	0.54	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.31	0.24	0.47	-	-	-	S	Intercept	0.31	0.22	0.42	-	-	-	S		
			4.0mm	Intercept		0.31	0.24	0.46	-	-	-	S	Intercept	0.31	0.22	0.42	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.27	0.24	0.47	N	NC	SC	S	Intercept	0.27	0.22	0.42	N	NC	SC	S		
			4.0mm	Intercept		0.27	0.24	0.46	N	NC	SC	S	Intercept	0.27	0.22	0.42	N	NC	SC	S		
	Double Hung Specialty Shapes Insert Frame	Clear/Air	3.0mm	SS	SIL-N-55	0.45	0.66	0.69	-	-	-	-	SS	0.45	0.59	0.62	-	-	-	-		
			4.0mm	SS		0.45	0.64	0.69	-	-	-	-	SS	0.46	0.58	0.62	-	-	-	-		
		Low-E/Air	3.0mm	SS		0.30	0.33	0.59	-	NC	-	-	SS	0.30	0.30	0.53	-	NC	-	-		
			4.0mm	SS		0.30	0.33	0.59	-	NC	-	-	SS	0.32	0.30	0.53	-	-	-	-		
		Low-E/Argon	3.0mm	SS		0.26	0.33	0.59	N	NC	-	-	SS	0.26	0.30	0.53	N	NC	-	-		
			4.0mm	SS		0.26	0.33	0.59	N	NC	-	-	SS	0.27	0.29	0.53	N	NC	-	-		
		Low-E PS/Air	3.0mm	SS		0.30	0.48	0.60	N	-	-	-	SS	0.30	0.43	0.54	N	-	-	-		
			4.0mm	SS		0.31	0.47	0.59	-	-	-	-	SS	0.32	0.42	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	SS		0.26	0.48	0.60	N	-	-	-	SS	0.26	0.44	0.54	N	-	-	-		
			4.0mm	SS		0.26	0.47	0.59	N	-	-	-	SS	0.27	0.43	0.53	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	SS		0.26	0.40	0.60	N	NC	-	-	SS	0.26	0.36	0.54	N	NC	-	-		
			4.0mm	SS		0.27	0.40	0.60	N	NC	-	-	SS	0.28	0.36	0.54	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	SS		0.23	0.40	0.60	N	NC	-	-	SS	0.23	0.36	0.54	N	NC	-	-		
			4.0mm	SS		0.24	0.39	0.60	N	NC	-	-	SS	0.24	0.36	0.54	N	NC	-	-		
		Low-E SC/Air	3.0mm	SS		0.30	0.24	0.47	-	NC	SC	S	SS	0.30	0.22	0.42	-	NC	SC	S		
			4.0mm	SS		0.30	0.24	0.46	-	NC	SC	S	SS	0.31	0.22	0.42	-	-	-	S		
		Low-E SC/Argon	3.0mm	SS		0.26	0.24	0.47	N	NC	SC	S	SS	0.26	0.22	0.42	N	NC	SC	S		
			4.0mm	SS		0.26	0.24	0.46	N	NC	SC	S	SS	0.27	0.22	0.42	N	NC	SC	S		

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor ¹	SHGC ²	VLT ³	US ENERGY STAR v 6.0				U-Factor ¹		SHGC ²	VLT ³	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series	Single Hung Nailing Flange with J-Channel Frame	Low-E/Air	2.2mm	Intercept	SIL-N-16	0.34	0.31	0.55	-	-	-	-	Intercept	0.35	0.28	0.49	-	-	-	-		
			3.0mm	Intercept		0.34	0.31	0.55	-	-	-	-	Intercept	0.36	0.28	0.49	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.29	0.28	0.50	-	NC	-	-		
			3.0mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.31	0.28	0.49	-	-	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.34	0.46	0.56	-	-	-	-	Intercept	0.35	0.41	0.50	-	-	-	-		
			3.0mm	Intercept		0.35	0.45	0.56	-	-	-	-	Intercept	0.36	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.46	0.56	N	-	-	-	Intercept	0.31	0.41	0.50	-	-	-	-		
			2.2mm	Intercept*		0.29	0.46	0.56	N	-	-	-	Intercept*	0.29	0.41	0.50	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.30	0.45	0.56	N	-	-	-	Intercept	0.31	0.41	0.50	-	-	-	-		
			2.2mm	Intercept		0.29	0.37	0.55	N	NC	-	-	Intercept	0.30	0.33	0.49	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.30	0.36	0.54	-	NC	-	-	Intercept	0.31	0.33	0.48	-	-	-	-		
			2.2mm	Intercept		0.26	0.37	0.55	N	NC	-	-	Intercept	0.27	0.33	0.49	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.27	0.36	0.54	N	NC	-	-	Intercept	0.28	0.33	0.48	N	NC	-	-		
			2.2mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.35	0.21	0.39	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.35	0.21	0.39	-	-	-	S		
			2.2mm	Intercept		0.29	0.22	0.44	-	NC	SC	S	Intercept	0.29	0.20	0.39	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.22	0.44	-	NC	SC	S	Intercept	0.31	0.20	0.39	-	-	-	S		
	Single Hung Gliding Nailing Flange with J-channel Frame	Low-E/Air	2.2mm	Intercept	SIL-N-15	0.33	0.31	0.55	-	-	-	-	Intercept	0.33	0.28	0.49	-	-	-	-		
			3.0mm	Intercept		0.34	0.31	0.55	-	-	-	-	Intercept	0.35	0.28	0.49	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.30	0.28	0.49	-	NC	-	-		
			3.0mm	Intercept		0.30	0.31	0.55	-	NC	-	-	Intercept	0.31	0.28	0.49	-	-	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.34	0.46	0.56	-	-	-	-	Intercept	0.34	0.41	0.50	-	-	-	-		
			3.0mm	Intercept		0.34	0.45	0.56	-	-	-	-	Intercept	0.35	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.46	0.56	N	-	-	-	Intercept	0.30	0.41	0.50	-	-	-	-		
			2.2mm	Intercept*		0.29	0.46	0.56	N	-	-	-	Intercept*	0.29	0.41	0.50	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.30	0.45	0.56	N	-	-	-	Intercept	0.31	0.41	0.50	-	-	-	-		
			2.2mm	Intercept		0.29	0.37	0.55	N	NC	-	-	Intercept	0.29	0.33	0.49	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.30	0.36	0.54	-	NC	-	-	Intercept	0.30	0.33	0.48	-	NC	-	-		
			2.2mm	Intercept		0.26	0.37	0.55	N	NC	-	-	Intercept	0.26	0.33	0.49	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.26	0.36	0.54	N	NC	-	-	Intercept	0.27	0.33	0.48	N	NC	-	-		
			2.2mm	Intercept		0.33	0.23	0.44	-	-	-	S	Intercept	0.33	0.20	0.39	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.35	0.21	0.39	-	-	-	S		
			2.2mm	Intercept		0.29	0.22	0.44	-	NC	SC	S	Intercept	0.29	0.20	0.39	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.22	0.44	-	NC	SC	S	Intercept	0.30	0.20	0.39	-	NC	SC	S		
	Single-Hung Picture Nailing Flange with J-channel Frame	Low-E/Air	3.0mm	Intercept	SIL-N-17	0.34	0.32	0.57	-	-	-	-	Intercept	0.35	0.29	0.51	-	-	-	-		
			4.0mm	Intercept		0.36	0.32	0.57	-	-	-	-	Intercept	0.37	0.29	0.51	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.29	0.32	0.57	-	NC	-	-	Intercept	0.30	0.29	0.51	-	NC	-	-		
			4.0mm	Intercept		0.31	0.32	0.57	-	-	-	-	Intercept	0.32	0.29	0.51	-	-	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.34	0.47	0.58	-	-	-	-	Intercept	0.35	0.42	0.52	-	-	-	-		
			4.0mm	Intercept		0.36	0.46	0.57	-	-	-	-	Intercept	0.37	0.41	0.51	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.29	0.47	0.58	N	-	-	-	Intercept	0.31	0.42	0.52	-	-	-	-		
			3.0mm	Intercept*		0.29	0.47	0.58	N	-	-	-	Intercept*	0.30	0.42	0.52	N	-	-	-		
		Low-E2+ PS/Air	4.0mm	Intercept		0.31	0.46	0.57	-	-	-	-	Intercept	0.32	0.42	0.51	-	-	-	-		
			3.0mm	Intercept		0.29	0.38	0.56	N	NC	-	-	Intercept	0.30	0.34	0.50	-	NC	-	-		
		Low-E2+ PS/Argon	4.0mm	Intercept		0.30	0.37	0.56	-	NC	-	-	Intercept	0.32	0.34	0.50	-	-	-	-		
			3.0mm	Intercept		0.26	0.38	0.56	N	NC	-	-	Intercept	0.27	0.34	0.50	N	NC	-	-		
		Low-E SC/Air	4.0mm	Intercept		0.27	0.37	0.56	N	NC	-	-	Intercept	0.28	0.33	0.50	N	NC	-	-		
			3.0mm	Intercept		0.33	0.24	0.45	-	-	-	S	Intercept	0.35	0.21	0.40	-	-	-	S		
		Low-E SC/Argon	4.0mm	Intercept		0.35	0.24	0.45	-	-	-	S	Intercept	0.37	0.22	0.40	-	-	-	S		
			3.0mm	Intercept		0.29	0.23	0.45	-	NC	SC	S	Intercept	0.30	0.21	0.40	-	NC	SC	S		
			4.0mm	Intercept		0.30	0.23	0.45	-	NC	SC	S	Intercept	0.32	0.21	0.40	-	-	-	S		
	Single-Hung Specialty Shapes Nailing Flange with J-channel Frame	Low-E/Air	3.0mm	SS	SIL-N-17	0.33	0.32	0.57	-	-	-	-	SS	0.34	0.29	0.51	-	-	-	-		
			4.0mm	SS		0.35	0.32	0.57	-	-	-	-	SS	0.36	0.29	0.51	-	-	-	-		
		Low-E/Argon	3.0mm	SS		0.28	0.32	0.57	N	NC	-	-	SS	0.29	0.29	0.51	-	NC	-	-		
			4.0mm	SS		0.30	0.32	0.57	-	NC	-	-	SS	0.31	0.29	0.51	-	-	-	-		
		Low-E PS/Air	3.0mm	SS		0.33	0.47	0.58	-	-	-	-	SS	0.34	0.42	0.52	-	-	-	-		
			4.0mm	SS		0.35	0.46	0.57	-	-	-	-	SS	0.37	0.41	0.51	-	-	-	-		
		Low-E PS/Argon	3.0mm	SS		0.29	0.47	0.58	N	-	-	-	SS	0.30	0.42	0.52	N	-	-	-		
			4.0mm	SS		0.30	0.46	0.57	N	-	-	-	SS	0.31	0.42	0.51	-	-	-	-		
		Low-E2+ PS/Air	3.0mm	SS		0.28	0.38	0.56	N	NC	-	-	SS	0.29	0.34	0.50	-	NC	-	-		
			4.0mm	SS		0.30	0.37	0.56	-	NC	-	-	SS	0.31	0.34	0.50	-	-	-	-		
		Low-E2+ PS/Argon	3.0mm	SS		0.24	0.38	0.56	N	NC	-	-	SS	0.26	0.34	0.50	N	NC	-	-		
			4.0mm	SS		0.26	0.37	0.56	N	NC	-	-	SS	0.27	0.33	0.50	N	NC	-	-		
		Low-E SC/Air	3.0mm	SS		0.33	0.24	0.45	-	-	-	S	SS	0.34	0.21	0.40	-	-	-	S		
			4.0mm	SS		0.35	0.24	0.45	-	-	-	S	SS	0.36	0.22	0.40	-	-	-	S		
		Low-E SC/Argon	3.0mm	SS		0.28	0.23	0.45	-	NC	SC	S	SS	0.29	0.21	0.40	-	NC	SC	S		
			4.0mm	SS		0.30	0.23	0.45	-	NC	SC	S	SS	0.31	0.21	0.40	-	-	-	S		

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor ¹	SHGC ²	VT ³	US ENERGY STAR v 6.0				U-Factor ¹		SHGC ²	VT ³	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series	Single-Hung Insert or Nailing Flange Frame	Low-E/Air	2.2mm	Intercept	SIL-N-3	0.33	0.32	0.57	-	-	-	-	Intercept	0.33	0.29	0.51	-	-	-	-		
			3.0mm	Intercept		0.34	0.32	0.56	-	-	-	-	Intercept	0.35	0.29	0.50	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.29	0.31	0.57	-	NC	-	-	Intercept	0.29	0.28	0.51	-	NC	-	-		
			3.0mm	Intercept		0.30	0.31	0.56	-	NC	-	-	Intercept	0.31	0.28	0.50	-	-	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.33	0.47	0.58	-	-	-	-	Intercept	0.33	0.42	0.51	-	-	-	-		
			3.0mm	Intercept		0.34	0.46	0.57	-	-	-	-	Intercept	0.35	0.42	0.51	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.30	0.47	0.58	N	-	-	-	Intercept	0.30	0.42	0.51	N	-	-	-		
			3.0mm	Intercept		0.30	0.47	0.57	N	-	-	-	Intercept	0.31	0.42	0.51	-	-	-	-		
		Low-E2+ PS/Air	2.2mm	Intercept		0.28	0.38	0.56	N	NC	-	-	Intercept	0.28	0.34	0.50	N	NC	-	-		
			3.0mm	Intercept		0.29	0.37	0.56	N	NC	-	-	Intercept	0.30	0.34	0.50	-	NC	-	-		
		Low-E2+ PS/Argon	2.2mm	Intercept		0.26	0.38	0.56	N	NC	-	-	Intercept	0.26	0.34	0.50	N	NC	-	-		
			3.0mm	Intercept		0.26	0.37	0.56	N	NC	-	-	Intercept	0.27	0.33	0.50	N	NC	-	-		
		Low-E SC/Air	2.2mm	Intercept		0.33	0.23	0.45	-	-	-	S	Intercept	0.33	0.21	0.40	-	-	-	S		
			3.0mm	Intercept		0.34	0.23	0.45	-	-	-	S	Intercept	0.35	0.21	0.40	-	-	-	S		
		Low-E SC/Argon	2.2mm	Intercept		0.29	0.23	0.45	-	NC	SC	S	Intercept	0.29	0.21	0.40	-	NC	SC	S		
			3.0mm	Intercept		0.30	0.23	0.45	-	NC	SC	S	Intercept	0.31	0.21	0.40	-	-	-	S		
		Single-Hung Gliding Insert or Nailing Flange Frame	Low-E/Air	2.2mm		Intercept	SIL-N-21	0.33	0.32	0.57	-	-	-	-	Intercept	0.33	0.29	0.51	-	-	-	-
				3.0mm		Intercept		0.34	0.32	0.56	-	-	-	-	Intercept	0.35	0.29	0.50	-	-	-	-
	Low-E/Argon		2.2mm	Intercept	0.29	0.31		0.57	-	NC	-	-	Intercept	0.29	0.28	0.51	-	NC	-	-		
			3.0mm	Intercept	0.30	0.31		0.56	-	NC	-	-	Intercept	0.30	0.28	0.50	-	NC	-	-		
	Low-E PS/Air		2.2mm	Intercept	0.33	0.47		0.58	-	-	-	-	Intercept	0.33	0.42	0.51	-	-	-	-		
			3.0mm	Intercept	0.34	0.46		0.57	-	-	-	-	Intercept	0.35	0.41	0.51	-	-	-	-		
	Low-E PS/Argon		2.2mm	Intercept	0.30	0.47		0.58	N	-	-	-	Intercept	0.30	0.42	0.51	N	-	-	-		
			3.0mm	Intercept	0.30	0.47		0.57	N	-	-	-	Intercept	0.31	0.42	0.51	-	-	-	-		
	Low-E2+ PS/Air		2.2mm	Intercept	0.29	0.38		0.56	N	NC	-	-	Intercept	0.29	0.34	0.50	-	NC	-	-		
			3.0mm	Intercept	0.29	0.37		0.56	N	NC	-	-	Intercept	0.30	0.34	0.50	-	NC	-	-		
	Low-E2+ PS/Argon		2.2mm	Intercept	0.26	0.37		0.56	N	NC	-	-	Intercept	0.26	0.34	0.50	N	NC	-	-		
			3.0mm	Intercept	0.26	0.37		0.56	N	NC	-	-	Intercept	0.27	0.33	0.50	N	NC	-	-		
	Low-E SC/Air		2.2mm	Intercept	0.33	0.23		0.45	-	-	-	S	Intercept	0.33	0.21	0.40	-	-	-	S		
			3.0mm	Intercept	0.34	0.23		0.45	-	-	-	S	Intercept	0.35	0.21	0.40	-	-	-	S		
	Low-E SC/Argon		2.2mm	Intercept	0.29	0.23		0.45	-	NC	SC	S	Intercept	0.29	0.21	0.40	-	NC	SC	S		
			3.0mm	Intercept	0.29	0.23		0.45	-	NC	SC	S	Intercept	0.30	0.21	0.40	-	NC	SC	S		
	Single-Hung Picture Insert or Nailing Flange Frame		Low-E/Air	3.0mm	Intercept	SIL-N-20		0.33	0.33	0.59	-	-	-	-	Intercept	0.35	0.30	0.53	-	-	-	-
				4.0mm	Intercept			0.35	0.33	0.58	-	-	-	-	Intercept	0.37	0.30	0.52	-	-	-	-
		Low-E/Argon	3.0mm	Intercept	0.29		0.33	0.59	-	NC	-	-	Intercept	0.30	0.30	0.53	-	NC	-	-		
			4.0mm	Intercept	0.30		0.33	0.58	-	NC	-	-	Intercept	0.32	0.30	0.52	-	-	-	-		
		Low-E PS/Air	3.0mm	Intercept	0.33		0.48	0.60	-	-	-	-	Intercept	0.35	0.43	0.53	-	-	-	-		
			4.0mm	Intercept	0.36		0.47	0.59	-	-	-	-	Intercept	0.37	0.43	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept	0.29		0.48	0.60	N	-	-	-	Intercept	0.30	0.44	0.53	N	-	-	-		
			4.0mm	Intercept*	0.29		0.48	0.60	N	-	-	-	Intercept*	0.30	0.44	0.53	N	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept	0.31		0.47	0.59	-	-	-	-	Intercept	0.32	0.43	0.53	-	-	-	-		
			4.0mm	Intercept	0.28		0.39	0.58	N	NC	-	-	Intercept	0.30	0.35	0.52	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept	0.30		0.38	0.57	-	NC	-	-	Intercept	0.31	0.35	0.51	-	-	-	-		
			4.0mm	Intercept	0.25		0.39	0.58	N	NC	-	-	Intercept	0.26	0.35	0.52	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept	0.26		0.38	0.57	N	NC	-	-	Intercept	0.28	0.35	0.51	N	NC	-	-		
			4.0mm	Intercept	0.33		0.24	0.47	-	-	-	S	Intercept	0.35	0.22	0.42	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept	0.35		0.24	0.46	-	-	-	S	Intercept	0.37	0.22	0.41	-	-	-	S		
			4.0mm	Intercept	0.29		0.24	0.47	-	NC	SC	S	Intercept	0.30	0.22	0.42	-	NC	SC	S		
		Low-E SC/Argon	3.0mm	Intercept	0.30		0.24	0.46	-	NC	SC	S	Intercept	0.32	0.22	0.41	-	-	-	S		
			4.0mm	Intercept	0.30		0.24	0.46	-	NC	SC	S	Intercept	0.32	0.22	0.41	-	-	-	S		
	Single-Hung Specialty Shapes Insert or Nailing Flange Frame	Low-E/Air	3.0mm	SS	SIL-N-20	0.32	0.33	0.59	-	-	-	-	SS	0.34	0.30	0.53	-	-	-	-		
			4.0mm	SS		0.34	0.33	0.58	-	-	-	-	SS	0.36	0.30	0.52	-	-	-	-		
		Low-E/Argon	3.0mm	SS		0.28	0.33	0.59	N	NC	-	-	SS	0.29	0.30	0.53	-	NC	-	-		
			4.0mm	SS		0.29	0.33	0.58	-	NC	-	-	SS	0.31	0.30	0.52	-	-	-	-		
		Low-E PS/Air	3.0mm	SS		0.33	0.48	0.60	-	-	-	-	SS	0.34	0.43	0.53	-	-	-	-		
			4.0mm	SS		0.35	0.47	0.59	-	-	-	-	SS	0.37	0.43	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	SS		0.28	0.48	0.60	N	-	-	-	SS	0.29	0.44	0.53	N	-	-	-		
			4.0mm	SS		0.30	0.47	0.59	N	-	-	-	SS	0.31	0.43	0.53	-	-	-	-		
		Low-E2+ PS/Air	3.0mm	SS*		0.29	0.47	0.59	N	-	-	-	SS*	0.31	0.43	0.53	-	-	-	-		
			4.0mm	SS		0.28	0.39	0.58	N	NC	-	-	SS	0.29	0.35	0.52	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	SS		0.29	0.38	0.57	N	NC	-	-	SS	0.31	0.35	0.51	-	-	-	-		
			4.0mm	SS		0.24	0.39	0.58	N	NC	-	-	SS	0.25	0.35	0.52	N	NC	-	-		
		Low-E SC/Air	3.0mm	SS		0.26	0.38	0.57	N	NC	-	-	SS	0.27	0.35	0.51	N	NC	-	-		
			4.0mm	SS		0.32	0.24	0.47	-	-	-	S	SS	0.34	0.22	0.42	-	-	-	S		
		Low-E SC/Argon	3.0mm	SS		0.34	0.24	0.46	-	-	-	S	SS	0.36	0.22	0.41	-	-	-	S		
			4.0mm	SS		0.28	0.24	0.47	-	NC	SC	S	SS	0.29	0.22	0.42	-	NC	SC	S		
Low-E SC/Argon		3.0mm	SS	0.29		0.24	0.46	-	NC	SC	S	SS	0.31	0.22	0.41	-	-	-	S			
		4.0mm	SS	0.29		0.24	0.46	-	NC	SC	S	SS	0.31	0.22	0.41	-	-	-	S			

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor ¹	SHGC ²	VLT ³	US ENERGY STAR v 6.0				U-Factor ¹		SHGC ²	VLT ³	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series	Single-Hung Masonry Flange Frame	Low-E/Air	3.0mm	Intercept	SIL-N-3	0.34	0.32	0.56	-	-	-	-	Intercept	0.35	0.29	0.50	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.30	0.31	0.56	-	NC	-	-	Intercept	0.31	0.28	0.50	-	-	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.34	0.46	0.57	-	-	-	-	Intercept	0.35	0.42	0.51	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.30	0.47	0.57	N	-	-	-	Intercept	0.31	0.42	0.51	-	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.29	0.37	0.56	N	NC	-	-	Intercept	0.30	0.34	0.50	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.26	0.37	0.56	N	NC	-	-	Intercept	0.27	0.33	0.50	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.34	0.23	0.45	-	-	-	S	Intercept	0.35	0.21	0.40	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.30	0.23	0.45	-	NC	SC	S	Intercept	0.31	0.21	0.40	-	-	-	S		
	Single-Hung HVHZ Upgrade Masonry Flange or Nailing Flange	Low-E/Air	3.0mm	Intercept	SIL-N-3	0.34	0.32	0.56	-	-	-	-	Intercept	0.36	0.28	0.50	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.30	0.31	0.56	-	NC	-	-	Intercept	0.31	0.28	0.50	-	-	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.36	0.21	0.40	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.30	0.23	0.44	-	NC	SC	S	Intercept	0.31	0.21	0.40	-	-	-	S		
	Single-Hung Picture Standard or HVHZ Upgrade Masonry Flange Frame	Low-E/Air	3.0mm	Intercept	SIL-N-20	0.33	0.33	0.59	-	-	-	-	Intercept	0.35	0.30	0.53	-	-	-	-		
			4.0mm	Intercept		0.35	0.33	0.58	-	-	-	-	Intercept	0.37	0.30	0.52	-	-	-	-		
		Low-E/Argon	3.0mm	Intercept		0.29	0.33	0.59	-	NC	-	-	Intercept	0.30	0.30	0.53	-	NC	-	-		
			4.0mm	Intercept		0.30	0.33	0.58	-	NC	-	-	Intercept	0.32	0.30	0.52	-	-	-	-		
		Low-E PS/Air	3.0mm	Intercept		0.33	0.48	0.60	-	-	-	-	Intercept	0.35	0.43	0.53	-	-	-	-		
			4.0mm	Intercept		0.36	0.47	0.59	-	-	-	-	Intercept	0.37	0.43	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	Intercept		0.29	0.48	0.60	N	-	-	-	Intercept	0.30	0.44	0.53	N	-	-	-		
			4.0mm	Intercept		0.31	0.47	0.59	-	-	-	-	Intercept	0.32	0.43	0.53	-	-	-	-		
		Low-E2+ PS/Air	3.0mm	Intercept		0.28	0.39	0.58	N	NC	-	-	Intercept	0.30	0.35	0.52	-	NC	-	-		
			4.0mm	Intercept		0.30	0.38	0.57	-	NC	-	-	Intercept	0.31	0.35	0.51	-	-	-	-		
		Low-E2+ PS/Argon	3.0mm	Intercept		0.25	0.39	0.58	N	NC	-	-	Intercept	0.26	0.35	0.52	N	NC	-	-		
			4.0mm	Intercept		0.26	0.38	0.57	N	NC	-	-	Intercept	0.28	0.35	0.51	N	NC	-	-		
		Low-E SC/Air	3.0mm	Intercept		0.33	0.24	0.47	-	-	-	S	Intercept	0.35	0.22	0.42	-	-	-	S		
			4.0mm	Intercept		0.35	0.24	0.46	-	-	-	S	Intercept	0.37	0.22	0.41	-	-	-	S		
		Low-E SC/Argon	3.0mm	Intercept		0.29	0.24	0.47	-	NC	SC	S	Intercept	0.30	0.22	0.42	-	NC	SC	S		
			4.0mm	Intercept		0.30	0.24	0.46	-	NC	SC	S	Intercept	0.32	0.22	0.41	-	-	-	S		
	Single-Hung Specialty Shapes Standard or HVHZ Upgrade Masonry Flange Frame	Low-E/Air	3.0mm	SS	SIL-N-20	0.32	0.33	0.59	-	-	-	-	SS	0.34	0.30	0.53	-	-	-	-		
			4.0mm	SS		0.34	0.33	0.58	-	-	-	-	SS	0.36	0.30	0.52	-	-	-	-		
		Low-E/Argon	3.0mm	SS		0.28	0.33	0.59	N	NC	-	-	SS	0.29	0.30	0.53	-	NC	-	-		
			4.0mm	SS		0.29	0.33	0.58	-	NC	-	-	SS	0.31	0.30	0.52	-	-	-	-		
		Low-E PS/Air	3.0mm	SS		0.33	0.48	0.60	-	-	-	-	SS	0.34	0.43	0.53	-	-	-	-		
			4.0mm	SS		0.35	0.47	0.59	-	-	-	-	SS	0.37	0.43	0.53	-	-	-	-		
		Low-E PS/Argon	3.0mm	SS		0.28	0.48	0.60	N	-	-	-	SS	0.29	0.44	0.53	N	-	-	-		
			4.0mm	SS		0.30	0.47	0.59	N	-	-	-	SS	0.31	0.43	0.53	-	-	-	-		
		Low-E2+ PS/Air	3.0mm	SS		0.30	0.47	0.59	N	-	-	-	SS	0.31	0.43	0.53	-	-	-	-		
			4.0mm	SS		0.28	0.39	0.58	N	NC	-	-	SS	0.29	0.35	0.52	-	NC	-	-		
		Low-E2+ PS/Argon	3.0mm	SS		0.29	0.38	0.57	N	NC	-	-	SS	0.31	0.35	0.51	-	-	-	-		
			4.0mm	SS		0.24	0.39	0.58	N	NC	-	-	SS	0.25	0.35	0.52	N	NC	-	-		
		Low-E SC/Air	3.0mm	SS		0.26	0.38	0.57	N	NC	-	-	SS	0.27	0.35	0.51	N	NC	-	-		
			4.0mm	SS		0.32	0.24	0.47	-	-	-	S	SS	0.34	0.22	0.42	-	-	-	S		
		Low-E SC/Argon	3.0mm	SS		0.34	0.24	0.46	-	-	-	S	SS	0.36	0.22	0.41	-	-	-	S		
			4.0mm	SS		0.28	0.24	0.47	-	NC	SC	S	SS	0.29	0.22	0.42	-	NC	SC	S		
	Hopper Insert Frame	Clear/Air	2.2mm	Intercept	SIL-N-14	0.48	0.55	0.56	-	-	-	-	Intercept	-	-	-	-	-	-	-		
			3.0mm	Intercept		0.47	0.54	0.56	-	-	-	-	Intercept	-	-	-	-	-	-	-		
		Low-E/Air	2.2mm	Intercept		0.36	0.27	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		
			3.0mm	Intercept		0.35	0.27	0.47	-	-	-	-	Intercept	-	-	-	-	-	-	-		
		Low-E/Argon	2.2mm	Intercept		0.32	0.27	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		
			3.0mm	Intercept		0.32	0.27	0.47	-	-	-	-	Intercept	-	-	-	-	-	-	-		
		Low-E PS/Air	2.2mm	Intercept		0.36	0.40	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		
			3.0mm	Intercept		0.35	0.40	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		
		Low-E PS/Argon	2.2mm	Intercept		0.33	0.40	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		
			3.0mm	Intercept		0.32	0.40	0.48	-	-	-	-	Intercept	-	-	-	-	-	-	-		

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor1	SHGC2	VLT3	US ENERGY STAR v 6.0				U-Factor1		SHGC2	VLT3	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series	Gliding Patio Door Insert Frame	Clear/Air	3.0mm Temp	Intercept	SIL-N-60	0.47	0.64	0.66	-	-	-	-	Intercept	0.47	0.56	0.58	-	-	-	-		
			4.0mm Temp	Intercept		0.47	0.63	0.66	-	-	-	-	Intercept	0.47	0.55	0.58	-	-	-	-		
		Low-E/Air	3.0mm Temp	Intercept		0.33	0.32	0.57	-	-	-	-	Intercept	0.33	0.28	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.33	0.32	0.56	-	-	-	-	Intercept	0.33	0.28	0.49	-	-	-	-		
		Low-E/Argon	3.0mm Temp	Intercept		0.29	0.31	0.57	N	NC	-	-	Intercept	0.29	0.28	0.50	N	NC	-	-		
			4.0mm Temp	Intercept		0.29	0.31	0.56	N	NC	-	-	Intercept	0.29	0.28	0.49	N	NC	-	-		
		Low-E PS/Air	3.0mm Temp	Intercept		0.33	0.46	0.58	-	-	-	-	Intercept	0.33	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.33	0.46	0.57	-	-	-	-	Intercept	0.33	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	3.0mm Temp	Intercept		0.29	0.47	0.58	-	-	-	-	Intercept	0.29	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.29	0.46	0.57	-	-	-	-	Intercept	0.29	0.41	0.50	-	-	-	-		
		Low-E2+ PS/Air	3.0mm Temp	Intercept		0.28	0.37	0.56	N	NC	-	-	Intercept	0.28	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept		0.28	0.37	0.55	N	NC	-	-	Intercept	0.28	0.33	0.49	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm Temp	Intercept		0.25	0.37	0.56	N	NC	-	-	Intercept	0.25	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept		0.25	0.37	0.55	N	NC	-	-	Intercept	0.25	0.33	0.49	N	NC	-	-		
		Low-E SC/Air	3.0mm Temp	Intercept		0.32	0.23	0.45	-	-	-	-	Intercept	0.32	0.21	0.39	-	-	-	-		
			4.0mm Temp	Intercept		0.33	0.23	0.45	-	-	-	-	Intercept	0.33	0.21	0.39	-	-	-	-		
		Low-E SC/Argon	3.0mm Temp	Intercept		0.29	0.23	0.45	N	NC	SC	S	Intercept	0.29	0.20	0.39	N	NC	SC	S		
			4.0mm Temp	Intercept		0.29	0.23	0.45	N	NC	SC	S	Intercept	0.29	0.20	0.39	N	NC	SC	S		
	Gliding Patio Door Blinds-Between-the-Glass Insert Frame	Low-E/Air	3.0mm Temp	Intercept	SIL-N-60	0.36	0.28	0.51	-	-	-	-	Intercept	-	-	-	-	-	-	-		
	Gliding Patio Door PG50 HVHZ Upgrade Insert Frame	Clear/Air	3.0mm Temp	Intercept	SIL-N-60	0.47	0.64	0.66	-	-	-	-	Intercept	0.47	0.56	0.58	-	-	-	-		
			4.0mm Temp	Intercept		0.48	0.63	0.66	-	-	-	-	Intercept	0.48	0.55	0.58	-	-	-	-		
		Low-E/Air	3.0mm Temp	Intercept		0.33	0.32	0.57	-	-	-	-	Intercept	0.33	0.28	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.34	0.32	0.56	-	-	-	-	Intercept	0.34	0.28	0.49	-	-	-	-		
		Low-E/Argon	3.0mm Temp	Intercept		0.29	0.31	0.57	N	NC	-	-	Intercept	0.29	0.28	0.50	N	NC	-	-		
			4.0mm Temp	Intercept		0.29	0.31	0.56	N	NC	-	-	Intercept	0.29	0.28	0.49	N	NC	-	-		
		Low-E PS/Air	3.0mm Temp	Intercept		0.33	0.46	0.58	-	-	-	-	Intercept	0.33	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.34	0.46	0.57	-	-	-	-	Intercept	0.34	0.40	0.50	-	-	-	-		
		Low-E PS/Argon	3.0mm Temp	Intercept		0.30	0.47	0.58	-	-	-	-	Intercept	0.30	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.30	0.46	0.57	-	-	-	-	Intercept	0.30	0.41	0.50	-	-	-	-		
		Low-E2+ PS/Air	3.0mm Temp	Intercept		0.28	0.37	0.56	N	NC	-	-	Intercept	0.28	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept		0.29	0.37	0.55	N	NC	-	-	Intercept	0.29	0.33	0.49	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm Temp	Intercept		0.26	0.37	0.56	N	NC	-	-	Intercept	0.26	0.33	0.49	N	NC	-	-		
			4.0mm Temp	Intercept		0.26	0.37	0.55	N	NC	-	-	Intercept	0.26	0.33	0.49	N	NC	-	-		
		Low-E SC/Air	3.0mm Temp	Intercept		0.33	0.23	0.45	-	-	-	-	Intercept	0.33	0.21	0.39	-	-	-	-		
			4.0mm Temp	Intercept		0.33	0.23	0.45	-	-	-	-	Intercept	0.33	0.21	0.39	-	-	-	-		
		Low-E SC/Argon	3.0mm Temp	Intercept		0.29	0.23	0.45	N	NC	SC	S	Intercept	0.29	0.20	0.39	N	NC	SC	S		
			4.0mm Temp	Intercept		0.29	0.23	0.45	N	NC	SC	S	Intercept	0.29	0.20	0.39	N	NC	SC	S		
	Gliding Patio Door Blinds-Between-the-Glass PG50 HVHZ Upgrade Insert Frame	Low-E/Air	3.0mm Temp	Intercept	SIL-N-60	0.36	0.28	0.51	-	-	-	-	Intercept	-	-	-	-	-	-	-		
	Gliding Patio Door Sidelight Insert Frame	Clear/Air	3.0mm Temp	Intercept	SIL-N-63	0.45	0.62	0.64	-	-	-	-	Intercept	0.45	0.55	0.57	-	-	-	-		
			4.0mm Temp	Intercept		0.46	0.60	0.64	-	-	-	-	Intercept	0.46	0.54	0.57	-	-	-	-		
		Low-E/Air	3.0mm Temp	Intercept		0.32	0.30	0.55	-	-	-	-	Intercept	0.32	0.28	0.49	-	-	-	-		
			4.0mm Temp	Intercept		0.32	0.30	0.54	-	-	-	-	Intercept	0.32	0.27	0.48	-	-	-	-		
		Low-E/Argon	3.0mm Temp	Intercept		0.28	0.30	0.55	-	NC	-	-	Intercept	0.28	0.27	0.49	-	NC	-	-		
			4.0mm Temp	Intercept		0.28	0.30	0.54	-	NC	-	-	Intercept	0.28	0.27	0.48	-	NC	-	-		
		Low-E PS/Air	3.0mm Temp	Intercept		0.32	0.45	0.55	-	-	-	-	Intercept	0.32	0.40	0.49	-	-	-	-		
			4.0mm Temp	Intercept		0.32	0.44	0.55	-	-	-	-	Intercept	0.32	0.40	0.49	-	-	-	-		
		Low-E PS/Argon	3.0mm Temp	Intercept		0.28	0.45	0.55	N	-	-	-	Intercept	0.28	0.41	0.49	N	-	-	-		
			4.0mm Temp	Intercept		0.29	0.44	0.55	N	-	-	-	Intercept	0.29	0.40	0.49	N	NC	-	-		
		Low-E2+ PS/Air	3.0mm Temp	Intercept		0.27	0.36	0.54	N	NC	-	-	Intercept	0.27	0.32	0.48	N	NC	-	-		
			4.0mm Temp	Intercept		0.28	0.35	0.53	N	NC	-	-	Intercept	0.28	0.32	0.48	N	NC	-	-		
		Low-E2+ PS/Argon	3.0mm Temp	Intercept		0.25	0.36	0.54	N	NC	-	-	Intercept	0.25	0.32	0.48	N	NC	-	-		
			4.0mm Temp	Intercept		0.25	0.35	0.53	N	NC	-	-	Intercept	0.25	0.32	0.48	N	NC	-	-		
		Low-E SC/Air	3.0mm Temp	Intercept		0.32	0.22	0.43	-	-	-	S	Intercept	0.32	0.20	0.39	-	-	-	S		
			4.0mm Temp	Intercept		0.32	0.22	0.43	-	-	-	S	Intercept	0.32	0.20	0.38	-	-	-	S		
		Low-E SC/Argon	3.0mm Temp	Intercept		0.28	0.22	0.43	-	NC	SC	S	Intercept	0.28	0.20	0.39	-	NC	SC	S		
			4.0mm Temp	Intercept		0.28	0.22	0.43	-	NC	SC	S	Intercept	0.28	0.20	0.38	-	NC	SC	S		
	Gliding Patio Door Transom Insert Frame	Clear/Air	3.0mm Temp	Intercept	SIL-N-64	0.45	0.62	0.64	-	-	-	-	Intercept	0.45	0.56	0.57	-	-	-	-		
			4.0mm Temp	Intercept		0.46	0.61	0.64	-	-	-	-	Intercept	0.46	0.55	0.57	-	-	-	-		
		Low-E/Air	3.0mm Temp	Intercept		0.31	0.31	0.55	-	-	-	-	Intercept	0.31	0.28	0.49	-	-	-	-		
			4.0mm Temp	Intercept		0.32	0.31	0.55	-	-	-	-	Intercept	0.32	0.28	0.49	-	-	-	-		
		Low-E/Argon	3.0mm Temp	Intercept		0.28	0.30	0.55	-	NC	-	-	Intercept	0.28	0.28	0.49	-	NC	-	-		
			4.0mm Temp	Intercept		0.28	0.30	0.55	-	NC	-	-	Intercept	0.28	0.27	0.49	-	NC	-	-		
		Low-E PS/Air	3.0mm Temp	Intercept		0.32	0.45	0.56	-	-	-	-	Intercept	0.32	0.41	0.50	-	-	-	-		
			4.0mm Temp	Intercept		0.32	0.44	0.55	-	-	-	-	Intercept	0.32	0.40	0.49	-	-	-	-		
		Low-E PS/Argon	3.0mm Temp	Intercept		0.28	0.45	0.56	N	-	-	-	Intercept	0.28	0.41	0.50	N	-	-	-		
			4.0mm Temp	Intercept		0.28	0.45	0.55	N	-	-	-	Intercept	0.28	0.40	0.49	N	NC	-	-		
		Low-E2+ PS/Air	3.0mm Temp	Intercept		0.27	0.36	0.54	N	NC	-	-	Intercept	0.27	0.33	0.48	N	NC	-	-		
4.0mm Temp			Intercept	0.28		0.36	0.54	N	NC	-	-	Intercept	0.28	0.32	0.48	N	NC	-	-			
Low-E2+ PS/Argon		3.0mm Temp	Intercept	0.25		0.36	0.54	N	NC	-	-	Intercept	0.25	0.33	0.48	N	NC	-	-			
		4.0mm Temp	Intercept	0.25		0.36	0.54	N	NC	-	-	Intercept	0.25	0.32	0.48	N	NC	-	-			
Low-E SC/Air		3.0mm Temp	Intercept	0.31		0.23	0.44	-	-	-	S	Intercept	0.31	0.20	0.39	-	-	-	S			
		4.0mm Temp	Intercept	0.32		0.23	0.43	-	-	-	S	Intercept	0.32	0.21	0.39	-	-	-	S			
Low-E SC/Argon		3.0mm Temp	Intercept	0.28		0.22	0.44	-	NC	SC	S	Intercept	0.28	0.20	0.39	-	NC	SC	S			
		4.0mm Temp	Intercept	0.28		0.22	0.43	-	NC	SC	S	Intercept	0.28	0.20	0.39	-	NC	SC	S			

Silver Line Product Series	Silver Line Product Type	Glass Type/ Infill	Glass Thickness	Spacer	NFRC Certified Products Directory Number	No Grilles								Spacer	With Grilles							
						U-Factor1	SHGC2	VLT3	US ENERGY STAR v 6.0				U-Factor1		SHGC2	VLT3	US ENERGY STAR v 6.0					
									North	NC	SC	South					North	NC	SC	South		
V1 Series with Coastal Watch™ Protection	Single-Hung HVHZ Masonry Flange or Nailing Flange Frame	Low-E/Air	Lami/3.0mm	Intercept	SIL-N-3	0.39	0.31	0.55	-	-	-	-	Intercept	0.42	0.28	0.49	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	Intercept		0.34	0.31	0.55	-	-	-	-	Intercept	0.36	0.28	0.49	-	-	-	-		
		Low-E SC/Air	Lami/3.0mm	Intercept		0.39	0.23	0.44	-	-	-	S	Intercept	0.41	0.21	0.39	-	-	-	-		
		Low-E SC/Argon	Lami/3.0mm	Intercept		0.34	0.23	0.44	-	-	-	S	Intercept	0.36	0.21	0.39	-	-	-	S		
	Single-Hung Picture HVHZ Masonry Flange or Nailing Flange	Low-E/Air	Lami/3.0mm	SS	SIL-N-59	0.38	0.33	0.57	-	-	-	-	SS	0.42	0.29	0.51	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	SS		0.33	0.32	0.57	-	-	-	-	SS	0.36	0.29	0.51	-	-	-	-		
		Low-E SC/Air	Lami/3.0mm	SS		0.38	0.24	0.45	-	-	-	S	SS	0.42	0.22	0.40	-	-	-	-		
		Low-E SC/Argon	Lami/3.0mm	SS		0.33	0.24	0.45	-	-	-	S	SS	0.36	0.22	0.40	-	-	-	S		
	Single-Hung Specialty Shape HVHZ Masonry Flange or Nailing Flange	Low-E/Air	Lami/3.0mm	SS	SIL-N-59	0.38	0.33	0.57	-	-	-	-	SS	0.42	0.29	0.51	-	-	-	-		
		Low-E/Argon	Lami/3.0mm	SS		0.33	0.32	0.57	-	-	-	-	SS	0.36	0.29	0.51	-	-	-	-		
		Low-E SC/Air	Lami/3.0mm	SS		0.38	0.24	0.45	-	-	-	S	SS	0.42	0.22	0.40	-	-	-	-		
		Low-E SC/Argon	Lami/3.0mm	SS		0.33	0.24	0.45	-	-	-	S	SS	0.36	0.22	0.40	-	-	-	S		

KEY 2.2mm = Single Strength (SS)
3.0mm = Double Strength (DS)
4.0mm = Triple Strength (TS)
Lami = .090 Laminated Glass
(sacrificial glass type also indicated)
Temp = Tempered
SHGC = Solar Heat Gain Coefficient
VT = Visible Transmittance
SS = SuperSpacer

- 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 unless otherwise noted. Use of tempered glass can increase U-Factor ratings. Door values represent tempered glass.
- 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.
- 3) Visible Light Transmittance (VLT) 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.
- * Optional foam in frame included.