

Marvin Impact Zone 2 & 3 Products	LoE²-272®			LoE³-366®	
	LoE²-240®				

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Casemaster Picture - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.29	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.29	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.30	0.29	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.28	0.22	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.20	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.20	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.20	0.43	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.18	0.27	N, NC, SC, S	X

Clad Casemaster Picture - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.29	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.22	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.30	0.20	0.44	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.27	N, NC, SC, S	X

Clad Casemaster Picture - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.29	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.22	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.30	0.20	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.20	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.26	N, NC, SC, S	X

<h1>Marvin Impact Zone 2 & 3 Products</h1>	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Casemaster Picture Round Top and Polygon - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.30	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.30	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.30	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.22	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.20	0.43	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.20	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.26	N, NC, SC, S	X

Clad Casemaster Picture Round Top and Polygon - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.29	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.29	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.29	0.50	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.22	0.50	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.20	0.45	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.27	N, NC, SC, S	X

Clad Ultimate Double Hung Magnum Picture - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon	0.28	0.30	0.53	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.20	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.18	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.18	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung Magnum Picture - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.30	0.52	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.30	0.27	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.28	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.17	0.25	N, NC, SC, S	X

Clad Ultimate Double Hung Magnum Picture - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.30	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.27	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.27	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.30	0.27	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.28	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.19	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.17	0.24	N, NC, SC, S	X

Clad Ultimate Double Hung Round Top Picture - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.30	0.51	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.30	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.18	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.17	0.25	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung Round Top Picture - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.30	0.52	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.27	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X

Clad Ultimate Double Hung Round Top Picture - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.30	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.27	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.24	N, NC, SC, S	X

Clad Ultimate Double Hung Round Top Transom - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.28	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.28	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.30	0.28	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.28	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.19	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.17	0.26	N, NC, SC, S	X

Clad Ultimate Double Hung Round Top Transom - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.28	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.30	0.19	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.26	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung Round Top Transom - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.28	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.30	0.19	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X

Clad Direct Glaze Round Top - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 366 Glass - Argon	0.27	0.24	0.55	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.22	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.22	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.22	0.49	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.21	0.33	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.20	0.30	N, NC, SC, S	X

Clad Direct Glaze Round Top - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.55	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.22	0.50	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.22	0.50	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.22	0.50	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.22	0.34	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.20	0.30	N, NC, SC, S	X

Clad Direct Glaze Round Top - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.53	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.22	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.22	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.22	0.48	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.22	0.32	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.20	0.29	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE²-272[®]			LoE³-366[®]	
	LoE²-240[®]				

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Clad Direct Glaze Polygon - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 366 Glass - Argon	0.27	0.23	0.53	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.21	0.47	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.21	0.32	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.19	0.29	N, NC, SC, S	X

Clad Direct Glaze Polygon - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.54	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.21	0.48	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.21	0.33	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.19	0.29	N, NC, SC, S	X

Clad Direct Glaze Polygon - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.51	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.21	0.46	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.21	0.31	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.19	0.28	N, NC, SC, S	X

Wood Casemaster Casement Operator/Stationary - 3/4" IG - 3.9 mm glass, 8.0 mm spacer, and 6.9 mm lami					
Insulating Low E 366 Glass - Argon	0.30	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.38	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE²-272[®]			LoE³-366[®]	
	LoE²-240[®]				

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Casemaster Casement/Awning Picture - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.28	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.28	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.27	0.28	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.26	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.19	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.19	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.19	0.43	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.17	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.26	N, NC, SC, S	X

Wood Casemaster Casement/Awning Picture - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.28	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.28	0.48	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.28	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.19	0.43	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.26	N, NC, SC, S	X

Wood Casemaster Casement/Awning Picture - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.29	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.29	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.29	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.19	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272 [®]			LoE ³ -366 [®]	
	LoE ² -240 [®]				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Casemaster Casement/Awning Picture - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.28	0.47	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.28	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.26	N, NC, SC, S	X

Wood Casemaster Casement/Awning Picture - 3/4" IG - 3.9 mm glass, 8.0 mm spacer, and 6.9 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.29	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.22	0.49	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.44	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.26	N, NC, SC, S	X

Wood Casemaster Casement/Awning Picture - 3/4" IG - 3.1 mm glass, 8.0 mm spacer, and 7.8 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.29	0.49	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.20	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.27	N, NC, SC, S	X

Wood Ultimate Double Hung 2" Picture & Transom - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.28	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.26	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.25	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE²-272[®]			LoE³-366[®]		
	LoE²-240[®]					

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung 2" Picture & Transom - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.28	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.28	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.28	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.19	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N, NC, SC, S	X

Wood Ultimate Double Hung 2" Picture & Transom - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.28	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.28	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.28	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.39	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.39	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.19	0.39	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.24	N, NC, SC, S	X

Wood Ultimate Double Hung 2" Picture & Transom - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.30	0.49	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.27	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.24	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Round Top 2" Picture - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.29	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.26	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.26	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.27	0.26	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.26	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.18	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.16	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.16	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.24	N, NC, SC, S	X

Wood Ultimate Double Hung Round Top 2" Picture - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.51	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.20	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.18	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.18	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N, NC, SC, S	X

Wood Ultimate Double Hung Round Top 2" Picture - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.49	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.27	0.43	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.43	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.29	0.27	0.43	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.20	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.39	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.39	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.18	0.39	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.16	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.24	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Round Top 2" Picture - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.29	0.49	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.26	0.44	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.26	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.20	0.44	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.39	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.39	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.18	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.24	N, NC, SC, S	X

Wood Ultimate Double Hung Round Top 2" Transom - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.51	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.27	0.27	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.26	0.20	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.18	0.41	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.18	0.41	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.18	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.25	N, NC, SC, S	X

Wood Ultimate Double Hung Round Top 2" Transom - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.52	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.46	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.28	0.27	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.42	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.29	0.19	0.42	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.29	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Round Top 2" Transom - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 272 Glass - Argon	0.27	0.30	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, GBG	0.28	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.27	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.28	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.28	0.19	0.27	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.24	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.24	N, NC, SC, S	X

Wood Ultimate Double Hung Round Top 2" Transom - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.30	0.50	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.27	0.45	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.27	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.21	0.45	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.40	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.40	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.17	0.25	N, NC, SC, S	X

Wood Direct Glaze Round Top - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 366 Glass - Argon	0.25	0.23	0.53	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.26	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.25	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.26	0.21	0.48	N, NC, SC, S	X

Wood Direct Glaze Round Top - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 366 Glass - Argon	0.26	0.24	0.54	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.21	0.33	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.19	0.30	N, NC, SC, S	X

<h1>Marvin Impact Zone 2 & 3 Products</h1>	LoE ² -272 [®]			LoE ³ -366 [®]	
	LoE ² -240 [®]				

	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Direct Glaze Round Top - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 366 Glass - Argon	0.26	0.24	0.52	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.21	0.46	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.21	0.31	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.19	0.28	N, NC, SC, S	X

Wood Direct Glaze Round Top - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.52	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.22	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.22	0.47	N, NC, SC, S	X

Wood Direct Glaze Polygon - 1" IG - 4.7 mm glass, 11.5 mm spacer, and 9.3 mm lami					
Insulating Low E 366 Glass - Argon	0.25	0.23	0.53	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.26	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.25	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.26	0.21	0.48	N, NC, SC, S	X

Wood Direct Glaze Polygon - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 10.1 mm lami					
Insulating Low E 366 Glass - Argon	0.26	0.24	0.54	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.21	0.48	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.21	0.48	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.21	0.33	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.30	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.19	0.30	N, NC, SC, S	X

Wood Direct Glaze Polygon - 1" IG - 3.9 mm glass, 9.8 mm spacer, and 13.6 mm lami					
Insulating Low E 366 Glass - Argon	0.26	0.24	0.52	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.21	0.46	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, GBG	0.27	0.21	0.46	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.27	0.21	0.31	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.28	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.19	0.28	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood Direct Glaze Polygon - 1" IG - 4.7 mm glass, 8.0 mm spacer, and 12.8 mm lami					
Insulating Low E 366 Glass - Argon	0.28	0.24	0.52	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.22	0.47	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.22	0.47	N, NC, SC, S	X

Clad 2 1/4" Inswing French Door - 1" IG - 5.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.20	0.33	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.13	0.26	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.13	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.12	0.17	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.15	N, NC, SC, S	X

Clad 2 1/4" Inswing French Door - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.20	0.33	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.13	0.26	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.13	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.13	0.18	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.16	N, NC, SC, S	X

Clad 2 1/4" Outswing French Door - 1" IG - 5.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.20	0.33	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.30	0.14	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.13	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.12	0.17	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.15	N, NC, SC, S	X

Clad 2 1/4" Outswing French Door - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.30	0.20	0.33	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.30	0.14	0.29	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.13	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.13	0.18	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.16	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood 2 1/4" Inswing French Door - 1" IG - 5.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.21	0.34	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.28	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.28	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.30	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.12	0.25	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.12	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.13	0.18	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.15	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.15	N, NC, SC, S	X

Wood 2 1/4" Inswing French Door - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.21	0.34	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.28	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.28	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.30	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.12	0.26	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.12	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.29	0.13	0.19	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N, NC, SC, S	X

Wood 2 1/4" Outswing French Door - 1" IG - 5.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.21	0.33	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.28	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.28	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.30	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.13	0.25	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.13	0.25	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.13	0.18	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.15	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.15	N, NC, SC, S	X

Marvin Impact Zone 2 & 3 Products	LoE ² -272®			LoE ³ -366®	
	LoE ² -240®				
	U Factor	SHGC	VLT	Energy Star	Qualifies for Tax Credit
Wood 2 1/4" Outswing French Door - 1" IG - 4.7 mm glass, 9.8 mm spacer, and 8.6 mm lami					
Insulating Low E 272 Glass - Argon	0.29	0.21	0.34	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.28	N, NC, SC, S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.28	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon	0.29	0.14	0.30	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.13	0.26	N, NC, SC, S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.13	0.26	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon	0.30	0.13	0.19	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N, NC, SC, S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.16	N, NC, SC, S	X

* This chart provides data for products with Argon-filled glazing unless otherwise noted. Marvin has many more glazing options.

** Tinted glass is also available. Tints will not affect the product's U-factor, but would reduce its SHGC.