

SEMCO™

WINDOWS  DOORS

Thermal Performance Values



SEMCO THERMAL PERFORMANCE VALUES

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CLAD CASEMENT: FRENCH, PUSH-OUT, PUSH-OUT FRENCH, EYEBROW, REPLACEMENT CASEMENT

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 w/Argon	SS	0.30	3.33	0.19	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 w/Argon	SS	0.30	3.33	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.37		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.16	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366 w/Argon	XL	0.26	3.85	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366 w/Argon	XL	0.27	3.70	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240 w/Argon	XL	0.27	3.70	0.16	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240 w/Argon	XL	0.28	3.57	0.16	0.24		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2) w/Argon	XL	0.22	4.55	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2) w/Argon	XL	0.23	4.35	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179 w/Argon	XL	0.23	4.35	0.18	0.39		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179 w/Argon	XL	0.24	4.17	0.18	0.38		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

CLAD CASEMENT with Breather Tube: FRENCH, PUSH-OUT, PUSH-OUT FRENCH, EYEBROW, REPLACEMENT CASEMENT

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.33	3.03	0.20	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.34	2.94	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.33	3.03	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.17	0.37		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.34	2.94	0.17	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366	XL	0.29	3.45	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366	XL	0.30	3.33	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240	XL	0.29	3.45	0.17	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240	XL	0.30	3.33	0.17	0.24		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2)	XL	0.25	4.00	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2)	XL	0.26	3.85	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179	XL	0.26	3.85	0.18	0.39		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179	XL	0.27	3.70	0.18	0.38		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD AWNING

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 w/Argon	SS	0.30	3.33	0.19	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 w/Argon	SS	0.30	3.33	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.36		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.16	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366 w/Argon	XL	0.26	3.85	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366 w/Argon	XL	0.27	3.70	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240 w/Argon	XL	0.26	3.85	0.16	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240 w/Argon	XL	0.27	3.70	0.16	0.24		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2) w/Argon	XL	0.22	4.55	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2) w/Argon	XL	0.23	4.35	0.17	0.31		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179 w/Argon	XL	0.23	4.35	0.18	0.38		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179 w/Argon	XL	0.24	4.17	0.18	0.38		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

CLAD AWNING with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.33	3.03	0.19	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.34	2.94	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.33	3.03	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.17	0.36		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.34	2.94	0.17	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366	XL	0.29	3.45	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366	XL	0.30	3.33	0.18	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240	XL	0.29	3.45	0.17	0.25		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240	XL	0.30	3.33	0.16	0.24		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2)	XL	0.25	4.00	0.17	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2)	XL	0.26	3.85	0.17	0.31		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179	XL	0.25	4.00	0.18	0.38		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179	XL	0.27	3.70	0.18	0.38		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD CASEMENT PICTURE, CLAD AWNING PICTURE

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 w/Argon	SS	0.28	3.57	0.22	0.52		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366 w/Argon	SS	0.28	3.57	0.22	0.50		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA w/Argon	XL	0.24	4.17	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366/EA w/Argon	XL	0.24	4.17	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.29	3.45	0.20	0.32		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 240 w/Argon	SS	0.29	3.45	0.20	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 w/Argon	SS	0.28	3.57	0.20	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366 w/Argon	SS	0.28	3.57	0.20	0.45		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA w/Argon	XL	0.24	4.17	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366/EA w/Argon	XL	0.24	4.17	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.29	3.45	0.19	0.28		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 240 w/Argon	SS	0.29	3.45	0.18	0.27		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366 w/Argon	XL	0.24	4.17	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366 w/Argon	XL	0.25	4.00	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366 w/Argon	XL	0.26	3.85	0.21	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240 w/Argon	XL	0.24	4.17	0.19	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240 w/Argon	XL	0.25	4.00	0.18	0.28		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 240 w/Argon	XL	0.27	3.70	0.18	0.27		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2) w/Argon	XL	0.19	5.26	0.19	0.37		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2) w/Argon	XL	0.20	5.00	0.19	0.37		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366(2) w/Argon	XL	0.22	4.55	0.19	0.35		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179 w/Argon	XL	0.20	5.00	0.20	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179 w/Argon	XL	0.21	4.76	0.20	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366/179 w/Argon	XL	0.23	4.35	0.20	0.43		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

CLAD CASEMENT PICTURE, CLAD AWNING PICTURE with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.32	3.13	0.22	0.52		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366	SS	0.32	3.13	0.23	0.50		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA	XL	0.27	3.70	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366/EA	XL	0.27	3.70	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.33	3.03	0.21	0.32		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 240	SS	0.33	3.03	0.20	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.32	3.13	0.20	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366	SS	0.32	3.13	0.21	0.45		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA	XL	0.27	3.70	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366/EA	XL	0.27	3.70	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.33	3.03	0.19	0.28		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 240	SS	0.33	3.03	0.19	0.27		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366	XL	0.27	3.70	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366	XL	0.28	3.57	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366	XL	0.30	3.33	0.21	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240	XL	0.27	3.70	0.19	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240	XL	0.29	3.45	0.19	0.28		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 240	XL	0.31	3.23	0.19	0.27		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2)	XL	0.22	4.55	0.19	0.37		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2)	XL	0.24	4.17	0.19	0.37		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366(2)	XL	0.26	3.85	0.19	0.35		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179	XL	0.23	4.35	0.20	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179	XL	0.25	4.00	0.21	0.45		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366/179	XL	0.27	3.70	0.21	0.43		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

Values in Green meet the <= 0.30 U value and <=0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CCP and ACP glass thickness chart by catalog size									
		Height							
		36	40	48	52	60	64	72	78
Width	36	3mm	3mm	3mm	3mm	3mm	3mm	4mm	4mm
	40	3mm	3mm	3mm	3mm	3mm	3mm	4mm	4mm
	48	3mm	3mm	3mm	3mm	4mm	4mm	4mm	4mm
	60	3mm	3mm	4mm	4mm	4mm	4mm	5mm	5mm
	72	4mm	4mm	4mm	4mm	5mm	5mm	5mm	5mmT

CLAD DOUBLE HUNG

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.20	0.46				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.19	0.42				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.32	3.13	0.19	0.29				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 366 W/Argon	SS	0.25	4.00	0.21	0.42				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 366/EA w/Argon	XL	0.22	4.55	0.20	0.39				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 240 w/Argon	SS	0.25	4.00	0.22	0.26				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.18	0.41				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.32	3.13	0.17	0.25				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 366 W/Argon	SS	0.25	4.00	0.19	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 366/EA w/Argon	XL	0.22	4.55	0.18	0.34				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 240 w/Argon	SS	0.25	4.00	0.19	0.23				

CLAD DOUBLE HUNG with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.35	2.86	0.20	0.46				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.19	0.42				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.36	2.78	0.19	0.29				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 366	SS	0.27	3.70	0.22	0.42				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 366/EA	XL	0.24	4.17	0.21	0.39				
No Grilles, 7/8" and 1 1/4" SDL w/storm	Insul LoE 240	SS	0.27	3.70	0.23	0.26				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.35	2.86	0.18	0.41				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.17	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.36	2.78	0.17	0.25				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 366	SS	0.27	3.70	0.20	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 366/EA	XL	0.24	4.17	0.19	0.34				
Grilles in Airspace, 7/8" and 1 1/4" SDLB w/storm	Insul LoE 240	SS	0.27	3.70	0.21	0.23				

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD DOUBLE HUNG EYEBROW

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.20	0.46				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.19	0.42				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.32	3.13	0.19	0.29				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.18	0.41				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.32	3.13	0.17	0.25				

CLAD DOUBLE HUNG EYEBROW with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.35	2.86	0.20	0.46				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.19	0.42				
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.36	2.78	0.19	0.29				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.35	2.86	0.18	0.41				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.17	0.37				
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.36	2.78	0.17	0.25				

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD DOUBLE HUNG PICTURE

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.21	0.49			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.21	0.48			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.19	0.30			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.19	0.29			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.19	0.43			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.19	0.42			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.18	0.39			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.18	0.39			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.17	0.27			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.17	0.26			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366 w/Argon	XL	0.24	4.17	0.19	0.44			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366 w/Argon	XL	0.25	4.00	0.19	0.43			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 240 w/Argon	XL	0.25	4.00	0.18	0.27			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 240 w/Argon	XL	0.25	4.00	0.17	0.26			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366(2) w/Argon	XL	0.20	5.00	0.18	0.35			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366(2) w/Argon	XL	0.21	4.76	0.18	0.34			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366/179 w/Argon	XL	0.21	4.76	0.19	0.43			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366/179 w/Argon	XL	0.22	4.55	0.19	0.41			

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

CLAD DOUBLE HUNG PICTURE with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.33	3.03	0.21	0.49			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366	SS	0.33	3.03	0.22	0.48			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366/EA	XL	0.29	3.45	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.34	2.94	0.20	0.30			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 240	SS	0.34	2.94	0.20	0.29			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.33	3.03	0.19	0.43			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366	SS	0.34	2.94	0.19	0.42			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA	XL	0.29	3.45	0.18	0.39			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366/EA	XL	0.30	3.33	0.18	0.39			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.34	2.94	0.18	0.27			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 240	SS	0.35	2.86	0.18	0.26			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366	XL	0.28	3.57	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366	XL	0.28	3.57	0.20	0.43			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 240	XL	0.28	3.57	0.18	0.27			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 240	XL	0.29	3.45	0.18	0.26			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366(2)	XL	0.23	4.35	0.18	0.35			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366(2)	XL	0.24	4.17	0.18	0.34			
No Grilles, 7/8" and 1 1/4" SDL *	3\4mm	Triple LoE 366/179	XL	0.24	4.17	0.19	0.43			
No Grilles, 7/8" and 1 1/4" SDL *	5mm	Triple LoE 366/179	XL	0.25	4.00	0.19	0.41			

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

DCSP glass thickness chart by catalog size							
Height							
Width	42	46	50	54	58	62	66
44	3mm	3mm	3mm	4mm	4mm	4mm	4mm
48	3mm	3mm	4mm	4mm	4mm	4mm	4mm
56	4mm	4mm	4mm	4mm	4mm	4mm	5mm
64	3mm	3mm	4mm	4mm	5mm	5mm	5mm
72	4mm	4mm	5mm	5mm	5mm	5mm	5mmT

CLAD REPLACEMENT DOUBLE HUNG

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon No Fingerpulls	SS	0.30	3.33	0.18	0.42			
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon with Fingerpulls	SS	0.30	3.33	0.18	0.42			
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.33	3.03	0.17	0.26			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon No Fingerpulls	SS	0.30	3.33	0.16	0.37			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon with Fingerpulls	SS	0.30	3.33	0.16	0.37			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.33	3.03	0.15	0.23			

CLAD REPLACEMENT DOUBLE HUNG with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 no Fingerpulls	SS	0.33	3.03	0.18	0.42			
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 with Fingerpulls	SS	0.34	2.94	0.18	0.42			
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.36	2.78	0.17	0.26			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 no Fingerpulls	SS	0.33	3.03	0.17	0.37			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 with Fingerpulls	SS	0.34	2.94	0.17	0.37			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.36	2.78	0.16	0.23			

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD REPLACEMENT DOUBLE HUNG PICTURE

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.19	0.45			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.19	0.44			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.18	0.28			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.18	0.27			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.17	0.40			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.17	0.40			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.16	0.24			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 240 w/Argon	SS	0.33	3.03	0.16	0.24			

CLAD REPLACEMENT DOUBLE HUNG PICTURE with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.33	3.03	0.19	0.45			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 366	SS	0.35	2.86	0.20	0.44			
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.33	3.03	0.18	0.28			
No Grilles, 7/8" and 1 1/4" SDL	5mm	Insul LoE 240	SS	0.35	2.86	0.18	0.27			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.33	3.03	0.17	0.40			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 366	SS	0.36	2.78	0.18	0.39			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.33	3.03	0.16	0.24			
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5mm	Insul LoE 240	SS	0.37	2.70	0.16	0.24			

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Glass Thickness "3/4/5 mm" changes with size of unit. Replacement units are all custom size units. Refer to Clad Double Hung Picture page for comparing unit sizes and glass thicknesses. Call Semco Windows for further information if required.

CLAD GLIDER

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
11/16" IG No Grilles in Airspace	Insul LoE 366 W/Argon	SS	0.32	3.13	0.20	0.41				
11/16" IG No Grilles in Airspace	Insul LoE 240 w/Argon	SS	0.33	3.03	0.19	0.29				
11/16" IG No Grilles in Airspace w/storm	Insul LoE 366 W/Argon	SS	0.25	4.00	0.22	0.43				
11/16" IG No Grilles in Airspace w/storm	Insul LoE 240 w/Argon	SS	0.25	4.00	0.22	0.26				
11/16" IG With Airspace Grilles	Insul LoE 366 W/Argon	SS	0.32	3.13	0.19	0.41				
11/16" IG With Airspace Grilles	Insul LoE 240 w/Argon	SS	0.33	3.03	0.17	0.25				
11/16" IG With Airspace Grilles w/storm	Insul LoE 366 W/Argon	SS	0.25	4.00	0.20	0.38				
11/16" IG With Airspace Grilles w/storm	Insul LoE 240 w/Argon	SS	0.25	4.00	0.20	0.23				

CLAD GLIDER with Breather Tube

11/16" IG No Grilles in Airspace	Insul LoE 366	SS	0.36	2.78	0.21	0.46				
11/16" IG No Grilles in Airspace	Insul LoE 240	SS	0.37	2.70	0.20	0.29				
11/16" IG No Grilles in Airspace w/storm	Insul LoE 366	SS	0.27	3.70	0.23	0.43				
11/16" IG No Grilles in Airspace w/storm	Insul LoE 240	SS	0.27	3.70	0.24	0.26				
11/16" IG With Airspace Grilles	Insul LoE 366	SS	0.36	2.78	0.21	0.46				
11/16" IG With Airspace Grilles	Insul LoE 240	SS	0.37	2.70	0.18	0.25				
11/16" IG With Airspace Grilles w/storm	Insul LoE 366	SS	0.27	3.70	0.21	0.38				
11/16" IG With Airspace Grilles w/storm	Insul LoE 240	SS	0.27	3.70	0.21	0.23				

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

CLAD DIRECT SET 1 & 2

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366 W/Argon	SS	0.27	3.70	0.24	0.56		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366 W/Argon	SS	0.27	3.70	0.24	0.55		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA w/Argon	XL	0.23	4.35	0.23	0.51		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366/EA w/Argon	XL	0.23	4.35	0.23	0.51		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240 w/Argon	SS	0.28	3.57	0.22	0.35		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 240 w/Argon	SS	0.28	3.57	0.21	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366 W/Argon	SS	0.27	3.70	0.22	0.51		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366 W/Argon	SS	0.27	3.70	0.22	0.49		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA w/Argon	XL	0.23	4.35	0.21	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366/EA w/Argon	XL	0.23	4.35	0.21	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240 w/Argon	SS	0.28	3.57	0.20	0.31		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 240 w/Argon	SS	0.28	3.57	0.19	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366 w/Argon	XL	0.22	4.55	0.22	0.52		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366 w/Argon	XL	0.23	4.35	0.22	0.51		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366 w/Argon	XL	0.25	4.00	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240 w/Argon	XL	0.23	4.35	0.20	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240 w/Argon	XL	0.24	4.17	0.20	0.31		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 240 w/Argon	XL	0.25	4.00	0.20	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2) w/Argon	XL	0.17	5.88	0.21	0.41		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2) w/Argon	XL	0.18	5.56	0.21	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366(2) w/Argon	XL	0.20	5.00	0.21	0.39		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179 w/Argon	XL	0.18	5.56	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179 w/Argon	XL	0.19	5.26	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366/179 w/Argon	XL	0.21	4.76	0.22	0.47		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

CLAD DIRECT SET 1 & 2 with Breather Tube

No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366	SS	0.31	3.23	0.24	0.56		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366	SS	0.31	3.23	0.25	0.55		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 366/EA	XL	0.26	3.85	0.23	0.51		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 366/EA	XL	0.26	3.85	0.23	0.51		
No Grilles, 7/8" and 1 1/4" SDL	3\4mm	Insul LoE 240	SS	0.32	3.13	0.23	0.35		
No Grilles, 7/8" and 1 1/4" SDL	5\6mm	Insul LoE 240	SS	0.32	3.13	0.22	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366	SS	0.31	3.23	0.22	0.51		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366	SS	0.31	3.23	0.22	0.49		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 366/EA	XL	0.26	3.85	0.21	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 366/EA	XL	0.26	3.85	0.21	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3\4mm	Insul LoE 240	SS	0.32	3.13	0.21	0.31		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	5\6mm	Insul LoE 240	SS	0.32	3.13	0.20	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366	XL	0.25	4.00	0.22	0.52		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366	XL	0.27	3.70	0.23	0.51		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366	XL	0.29	3.45	0.23	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 240	XL	0.26	3.85	0.21	0.32		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 240	XL	0.27	3.70	0.20	0.31		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 240	XL	0.30	3.33	0.20	0.29		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366(2)	XL	0.20	5.00	0.21	0.41		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366(2)	XL	0.22	4.55	0.21	0.40		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366(2)	XL	0.25	4.00	0.21	0.39		
No Grilles, 7/8" and 1 1/4" SDL *	3mm	Triple LoE 366/179	XL	0.21	4.76	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	4mm	Triple LoE 366/179	XL	0.23	4.35	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL *	5\6mm	Triple LoE 366/179	XL	0.25	4.00	0.22	0.47		

* - Triple insul not available with grilles in airspace or SDLB (with spacer bar). Triple glass is always fabricated with XL edge.

Values in Green meet the <= 0.30 U value and <=0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Glass Thickness "3/4/5/6 mm" changes with size of unit. Direct Set units are all custom size units. Call Semco Windows for further information if required.

Clad Veranda & French Doors - Residential Series

CLAD VERANDA & FRENCH DOOR; CVD, CFD RES9, CFID RES9, CVDSL, CFDSL RES9, CFIDSL RES 9, CFDE RES9, CFDESL RES9

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.17	0.39					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.16	0.35					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.30	3.33	0.16	0.24					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.15	0.33					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.14	0.30					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.30	3.33	0.14	0.20					9"	4" Stiles

CLAD VERANDA & FRENCH DOOR with Breather Tube; CVD, CFD RES9, CFID RES9, CVDSL, CFDSL RES9, CFIDSL RES 9, CFDE RES9, CFDESL RES9

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.32	3.13	0.17	0.39					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.29	3.45	0.16	0.35					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.16	0.24					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.32	3.13	0.15	0.33					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.29	3.45	0.14	0.30					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.14	0.20					9"	4" Stiles

CLAD FRENCH INSWING DOOR RES12; CFIDA RES12, CFIDASL RES12

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.16	0.37					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.15	0.34					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.30	3.33	0.15	0.23					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.14	0.31					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.13	0.29					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.30	3.33	0.13	0.19					12"	4" Stiles

CLAD FRENCH DOOR RES12 with Breather Tube; CFIDA RES12, CFIDASL RES 12

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.32	3.13	0.16	0.37					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.29	3.45	0.15	0.34					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.15	0.23					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.32	3.13	0.14	0.31					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.29	3.45	0.14	0.29					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.13	0.19					12"	4" Stiles

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Clad French Doors - Commercial Series

CLAD FRENCH DOOR COM9; CFD COM9, CFID COM9, CFDSL COM9, CFIDSL COM 9

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.14	0.31					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.13	0.29					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.31	3.23	0.13	0.19					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.12	0.26					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.12	0.24					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.31	3.23	0.11	0.16					9"	6" Stiles

CLAD FRENCH DOOR COM9 with Breather Tube; CFD COM9, CFID COM9, CFDSL COM9, CFIDSL COM 9

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.33	3.03	0.14	0.31					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.13	0.29					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.13	0.19					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.33	3.03	0.12	0.26					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.12	0.24					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.12	0.16					9"	6" Stiles

CLAD FRENCH INSWING DOOR COM12; CFIDA COM12, CFIDASL COM12

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.13	0.30					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.13	0.27					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.31	3.23	0.12	0.19					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.12	0.25					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.11	0.23					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.31	3.23	0.11	0.16					12"	6" Stiles

CLAD FRENCH INSWING DOOR COM12 with Breather Tube; CFIDA COM12, CFIDASL COM12

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.33	3.03	0.14	0.30					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.13	0.27					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.13	0.19					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.33	3.03	0.12	0.25					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.11	0.23					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.11	0.16					12"	6" Stiles

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Clad Outswing Doors - Residential Series

CLAD FRENCH OUTSWING DOOR; CFOD RES9, CFODSL RES9

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.29	3.45	0.17	0.38					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.16	0.35					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.30	3.33	0.15	0.23					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.29	3.45	0.15	0.33					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.14	0.30					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.30	3.33	0.14	0.20					9"	4" Stiles

CLAD FRENCH OUTSWING DOOR with Breather Tube; CFOD RES9, CFODSL RES9

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.32	3.13	0.17	0.38					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.29	3.45	0.16	0.35					9"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.16	0.23					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.32	3.13	0.15	0.33					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.29	3.45	0.14	0.30					9"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.14	0.20					9"	4" Stiles

CLAD FRENCH OUTSWING DOOR; CFOD RES12, CFODSL RES12

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.16	0.36					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.15	0.33					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.30	3.33	0.15	0.22					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.14	0.31					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.13	0.28					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.30	3.33	0.13	0.19					12"	4" Stiles

CLAD FRENCH OUTSWING DOOR with Breather Tube; CFOD RES12, CFODSL RES12

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.32	3.13	0.16	0.36					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.29	3.45	0.15	0.33					12"	4" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.15	0.22					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.32	3.13	0.14	0.31					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.29	3.45	0.13	0.28					12"	4" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.13	0.19					12"	4" Stiles

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Clad Outswing Doors - Commercial Series

CLAD FRENCH OUTSWING DOOR; CFOD COM9, CFODSL COM9

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.30	3.33	0.14	0.31					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.13	0.28					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.31	3.23	0.13	0.19					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.30	3.33	0.12	0.26					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.29	3.45	0.12	0.24					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.31	3.23	0.11	0.16					9"	6" Stiles

CLAD FRENCH OUTSWING DOOR with Breather Tube; CFOD COM9, CFODSL COM9

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.33	3.03	0.14	0.31					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.13	0.28					9"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.13	0.19					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.33	3.03	0.12	0.26					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.12	0.24					9"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.12	0.16					9"	6" Stiles

CLAD FRENCH OUTSWING DOOR; CFOD COM12, CFODSL COM12

Glazing Description		Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S	BTM Rail	Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366 W/Argon	SS	0.31	3.23	0.13	0.29					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.13	0.27					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240 w/Argon	SS	0.31	3.23	0.12	0.18					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366 W/Argon	SS	0.31	3.23	0.12	0.24					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.11	0.22					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240 w/Argon	SS	0.31	3.23	0.11	0.15					12"	6" Stiles

CLAD FRENCH OUTSWING DOOR with Breather Tube; CFOD COM12, CFODSL COM12

No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366	SS	0.33	3.03	0.14	0.29					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 366/EA	XL	0.30	3.33	0.13	0.27					12"	6" Stiles
No Grilles, 7/8" and 1 1/4" SDL	Insul LoE 240	SS	0.33	3.03	0.13	0.18					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366	SS	0.33	3.03	0.12	0.24					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 366/EA	XL	0.30	3.33	0.11	0.22					12"	6" Stiles
Grilles in Airspace, 7/8" and 1 1/4" SDLB	Insul LoE 240	SS	0.33	3.03	0.11	0.15					12"	6" Stiles

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

Clad French Sliding Doors and Sidelites

CLAD FRENCH SLIDING DOOR; CFS

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.17	0.37		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.17	0.26		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.17	0.25		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.16	0.36		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.16	0.35		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.15	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA w/Argon	XL	0.27	3.70	0.15	0.32		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.15	0.22		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.15	0.21		

CLAD FRENCH SLIDING DOOR with Breather Tube; CFS

No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366	SS	0.32	3.13	0.18	0.41		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366	SS	0.33	3.03	0.19	0.41		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA	XL	0.29	3.45	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA	XL	0.29	3.45	0.18	0.37		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240	SS	0.33	3.03	0.17	0.26		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240	SS	0.34	2.94	0.17	0.25		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366	SS	0.32	3.13	0.16	0.36		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366	SS	0.33	3.03	0.16	0.35		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA	XL	0.29	3.45	0.15	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA	XL	0.29	3.45	0.15	0.32		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240	SS	0.33	3.03	0.15	0.22		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240	SS	0.34	2.94	0.15	0.21		

CLAD FRENCH SLIDING DOOR SIDELITE; CFSDSL

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.16	0.35		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.16	0.34		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.16	0.24		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.16	0.23		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.15	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366 W/Argon	SS	0.30	3.33	0.15	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.14	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA w/Argon	XL	0.28	3.57	0.14	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.14	0.21		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240 w/Argon	SS	0.31	3.23	0.14	0.20		

CLAD FRENCH SLIDING DOOR SIDELITE with Breather Tube; CFSDSL

No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366	SS	0.33	3.03	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366	SS	0.33	3.03	0.17	0.38		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA	XL	0.30	3.33	0.16	0.35		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA	XL	0.30	3.33	0.16	0.34		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240	SS	0.33	3.03	0.16	0.24		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240	SS	0.33	3.03	0.16	0.23		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366	SS	0.33	3.03	0.15	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366	SS	0.33	3.03	0.16	0.33		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA	XL	0.30	3.33	0.14	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA	XL	0.30	3.33	0.15	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240	SS	0.33	3.03	0.14	0.21		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240	SS	0.33	3.03	0.14	0.20		

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

26,50,30,60 wide doors use 3mm glass, 40,80 wide doors use 4mm glass

Clad Sliding Doors and Sidelites

CLAD SLIDING DOOR; CPD

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.22	0.52		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.23	0.52		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.21	0.48		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.21	0.47		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.21	0.32		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.21	0.31		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.20	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.20	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.18	0.28		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.18	0.28		

CLAD SLIDING DOOR with Breather Tube; CPD

No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366	SS	0.32	3.13	0.23	0.52		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366	SS	0.33	3.03	0.23	0.52		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA	XL	0.28	3.57	0.21	0.48		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA	XL	0.28	3.57	0.22	0.47		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240	SS	0.33	3.03	0.21	0.32		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240	SS	0.34	2.94	0.21	0.31		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366	SS	0.32	3.13	0.20	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366	SS	0.33	3.03	0.21	0.46		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA	XL	0.28	3.57	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA	XL	0.28	3.57	0.19	0.42		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240	SS	0.33	3.03	0.19	0.28		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240	SS	0.34	2.94	0.19	0.28		

CLAD SLIDING DOOR SIDELITE; CPDSL

Glazing Description	Spacer	U-Value	R-Value	SHGC	VT	N	NC	SC	S
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.21	0.49		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.21	0.49		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.20	0.45		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.20	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.20	0.31		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.19	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.19	0.44		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366 W/Argon	SS	0.29	3.45	0.19	0.44		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA w/Argon	XL	0.26	3.85	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240 w/Argon	SS	0.30	3.33	0.18	0.26		

CLAD SLIDING DOOR SIDELITE with Breather Tube; CPDSL

No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366	SS	0.32	3.13	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366	SS	0.33	3.03	0.22	0.49		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 366/EA	XL	0.28	3.57	0.20	0.45		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 366/EA	XL	0.29	3.45	0.21	0.44		
No Grilles, 7/8" and 1 1/4" SDL	3mm	Insul LoE 240	SS	0.33	3.03	0.20	0.31		
No Grilles, 7/8" and 1 1/4" SDL	4mm	Insul LoE 240	SS	0.34	2.94	0.20	0.30		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366	SS	0.32	3.13	0.20	0.44		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366	SS	0.33	3.03	0.20	0.44		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 366/EA	XL	0.28	3.57	0.18	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 366/EA	XL	0.29	3.45	0.19	0.40		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	3mm	Insul LoE 240	SS	0.33	3.03	0.18	0.27		
Grilles in Airspace, 7/8" and 1 1/4" SDLB	4mm	Insul LoE 240	SS	0.34	2.94	0.18	0.26		

Values in Green meet the ≤ 0.30 U value and ≤ 0.30 SHGC Tax Incentive Program requirements.

SS = Semco Foam Spacer, XL = Cardinal Stainless Spacer; Units specified with Semco Foam Spacer may at times be converted to Cardinal Stainless Spacer due to unique glass type and/or size constraints. This may or may not affect performance data.

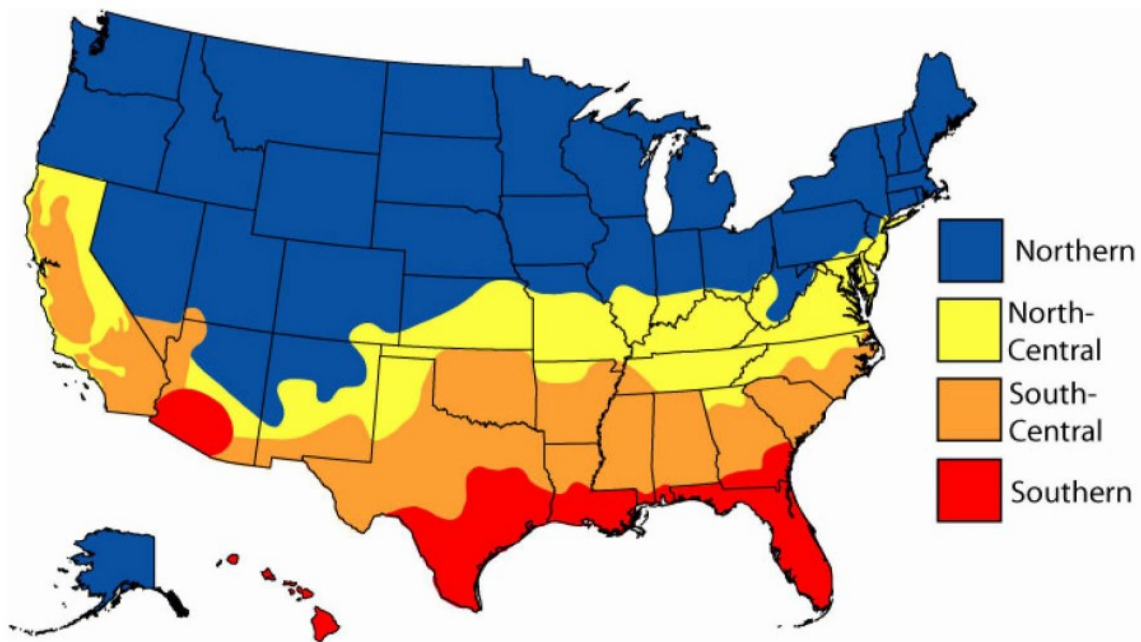
26,50,30,60 wide doors use 3mm glass, 40,80 wide doors use 4mm glass

ENERGY STAR® Qualification Criteria for Residential Windows, Doors, and Skylights

Windows			Doors			
Climate Zone	U-Factor ¹	SHGC ²	Glazing Level	U-Factor ¹	SHGC ²	
Northern	≤ 0.30	Any	Prescriptive	Opaque	≤ 0.21	No Rating
	≤ 0.31	≥ 0.35	Equivalent Energy Performance	≤ ½-Lite	≤ 0.27	≤ 0.30
	≤ 0.32	≥ 0.40		> ½-Lite	≤ 0.32	≤ 0.30
North-Central	≤ 0.32	≤ 0.40				
South-Central	≤ 0.35	≤ 0.30				
Southern	≤ 0.60	≤ 0.27				

¹ Btu/h.ft².°F

² Fraction of incident solar radiation



ENERGY STAR Program Requirements for Windows, Doors, and Skylights: Version 5.0 (April 7, 2009)

Source: http://www.energystar.gov/ia/partners/prod_development/archives/downloads/windows_doors/WindowsDoorsSkylightsProgRequirements7Apr09.pdf