



SunClad Casement, Awning, Double Hung

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
SunClad USA Casement - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.30	0.22	0.41	47	N, NC, SC, S	Yes
double strength glass, no grilles	0.30	0.22	0.41	47	N, NC, SC, S	Yes
triple strength glass, no grilles	0.29	0.22	0.41	46	N, NC, SC, S	Yes
triple strength glass, grilles between the glass	0.30	0.20	0.37	46	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (<1")	0.30	0.20	0.37	46	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (>=1")	0.30	0.18	0.33	46	N, NC, SC, S	Yes
SunClad USA Awning - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.30	0.22	0.41	46	N, NC, SC, S	Yes
double strength glass, no grilles	0.30	0.22	0.41	46	N, NC, SC, S	Yes
triple strength glass, no grilles	0.29	0.22	0.41	45	N, NC, SC, S	Yes
triple strength glass, grilles between the glass	0.30	0.20	0.37	45	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (<1")	0.30	0.20	0.37	45	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (>=1")	0.30	0.18	0.33	45	N, NC, SC, S	Yes
SunClad Easy-Tilt Double Hung - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.29	0.23	0.45	44	N, NC, SC, S	Yes
double strength glass, no grilles	0.29	0.23	0.44	43	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.29	0.21	0.40	44	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.29	0.21	0.39	43	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (<1")	0.29	0.21	0.40	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (<1")	0.29	0.21	0.39	43	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (>=1")	0.29	0.19	0.35	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (>=1")	0.29	0.19	0.35	43	N, NC, SC, S	Yes
SunClad Easy-Tilt Double Hung Replacement Window - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.29	0.23	0.45	44	N, NC, SC, S	Yes
double strength glass, no grilles	0.29	0.23	0.44	43	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.29	0.21	0.40	44	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.29	0.21	0.39	43	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (<1")	0.29	0.21	0.40	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (<1")	0.29	0.21	0.39	43	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (>=1")	0.29	0.19	0.35	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (>=1")	0.29	0.19	0.35	43	N, NC, SC, S	Yes



SunClad USA Double Hungs & Sash Set Fixed Lites

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
SunClad Easy-Tilt Double Hung Sash Kit - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
double strength glass, no grilles	0.30	0.23	0.44	43	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.30	0.21	0.39	43	N, NC, SC, S	Yes
double strength glass, simulated divided lite grilles (<1")	0.30	0.21	0.39	43	N, NC, SC, S	Yes
double strength glass, simulated divided lite grilles (>=1")	0.30	0.19	0.35	43	N, NC, SC, S	Yes
SunClad Comfort-Tilt Double Hung - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.30	0.23	0.45	44	N, NC, SC, S	Yes
double strength glass, no grilles	0.29	0.23	0.44	44	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.29	0.21	0.39	44	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (<1")	0.30	0.21	0.40	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (<1")	0.29	0.21	0.39	44	N, NC, SC, S	Yes
single strength glass, simulated divided lite grille (>=1")	0.30	0.19	0.35	44	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (>=1")	0.29	0.19	0.35	44	N, NC, SC, S	Yes
SunClad USA Sash Set Fixed Lite - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.30	0.26	0.52	58	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.30	0.26	0.50	58	N, NC, SC, S	Yes
double strength glass, no grilles	0.30	0.26	0.51	58	N, NC, SC, S	Yes
with ClimaGuard SPF, double strength glass, no grilles	0.30	0.25	0.50	58	N, NC, SC, S	Yes
with tinted glass, double strength glass, no grilles	0.30	0.29	0.38	58	N, NC, SC	Yes
with Solar Cool glass, double strength glass, no grilles	0.30	0.14	0.15	58	N, NC, SC, S	Yes
triple strength glass, no grilles	0.30	0.26	0.51	57	N, NC, SC, S	Yes
with ClimaGuard SPF, triple strength glass, no grilles	0.30	0.25	0.49	57	N, NC, SC, S	Yes
with tinted glass, triple strength glass, no grilles	0.30	0.26	0.33	57	N, NC, SC, S	Yes
with Solar Cool glass, triple strength glass, no grilles	0.30	0.13	0.13	57	N, NC, SC, S	Yes
SunClad USA Sash Set Fixed Lite - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.26	0.25	0.47	47	N, NC, SC, S	Yes
double strength glass, no grilles	0.26	0.24	0.47	47	N, NC, SC, S	Yes
triple strength glass, no grilles	0.26	0.24	0.47	46	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.27	0.22	0.42	47	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.27	0.22	0.42	47	N, NC, SC, S	Yes
triple strength glass, grilles between the glass	0.27	0.22	0.42	46	N, NC, SC, S	Yes
single strength glass, simulated divided lite grilles (<1")	0.27	0.22	0.42	47	N, NC, SC, S	Yes
double strength glass, simulated divided lite grilles (<1")	0.27	0.22	0.42	47	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grilles (<1")	0.27	0.22	0.42	46	N, NC, SC, S	Yes
single strength glass, simulated divided lite grilles (>=1")	0.27	0.20	0.38	47	N, NC, SC, S	Yes
double strength glass, simulated divided lite grilles (>=1")	0.27	0.20	0.37	47	N, NC, SC, S	Yes
double strength glass, simulated divided lite grilles (>=1")	0.27	0.20	0.38	46	N, NC, SC, S	Yes



SunClad USA Direct Set Fixed Lites

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
SunClad USA Direct Set Fixed Lite (Narrow Frame) - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - No Grilles						
single strength glass, no grilles	0.28	0.28	0.57	57	N, NC, SC	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.28	0.28	0.56	57	N, NC, SC	Yes
with tinted glass, single strength glass, no grilles	0.28	0.28	0.47	57	N, NC, SC	Yes
double strength glass, no grilles	0.28	0.28	0.57	57	N, NC, SC	Yes
with ClimaGuard SPF, double strength glass, no grilles	0.28	0.28	0.56	57	N, NC, SC	Yes
with Solar Cool glass, double strength glass, no grilles	0.28	0.15	0.16	58	N, NC, SC, S	Yes
triple strength glass, no grilles	0.28	0.28	0.56	56	N, NC, SC	Yes
with ClimaGuard SPF, triple strength glass, no grilles	0.28	0.28	0.55	56	N, NC, SC	Yes
with tinted glass, triple strength glass, no grilles	0.28	0.28	0.36	56	N, NC, SC	Yes
with Solar Cool glass, triple strength glass, no grilles	0.28	0.14	0.14	56	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - No Grilles						
single strength glass, no grilles	0.24	0.27	0.53	46	N, NC, SC, S	Yes
double strength glass, no grilles	0.24	0.27	0.52	46	N, NC, SC, S	Yes
triple strength glass, no grilles	0.23	0.27	0.52	46	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Grilles Between The Glass						
single strength glass, grilles between the glass	0.30	0.26	0.51	57	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.30	0.25	0.50	57	N, NC, SC, S	Yes
with tinted glass, single strength glass, grilles between the glass	0.30	0.25	0.42	57	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.30	0.26	0.51	57	N, NC, SC, S	Yes
with ClimaGuard SPF, double strength glass, grilles between the glass	0.28	0.25	0.50	57	N, NC, SC, S	Yes
with tinted glass, double strength glass, grilles between the glass	0.28	0.29	0.38	58	N, NC, SC	Yes
with Solar Cool glass, double strength glass, grilles between the glass	0.28	0.14	0.15	58	N, NC, SC, S	Yes
triple strength glass, grilles between the glass	0.28	0.25	0.50	56	N, NC, SC, S	Yes
with ClimaGuard SPF, triple strength glass, grilles between the glass	0.28	0.25	0.49	56	N, NC, SC, S	Yes
with tinted glass, triple strength glass, grilles between the glass	0.28	0.26	0.33	56	N, NC, SC, S	Yes
with Solar Cool glass, triple strength glass, grilles between the glass	0.28	0.13	0.13	56	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Grilles Between The Glass						
single strength glass, grilles between the glass	0.24	0.25	0.47	46	N, NC, SC, S	Yes
double strength glass, grilles between the glass	0.24	0.24	0.47	46	N, NC, SC, S	Yes
triple strength glass, grilles between the glass	0.23	0.24	0.46	46	N, NC, SC, S	Yes



SunClad USA Direct Set Fixed Lites

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
SunClad USA Direct Set Fixed Lite (Narrow Frame) - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Simulated Divided Lite Grilles (less than 1" grille bar)						
single strength, simulated divided lite grille (<1")	0.30	0.26	0.51	57	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength, simulated divided lite grille (<1")	0.30	0.25	0.50	57	N, NC, SC, S	Yes
with tinted glass, single strength, simulated divided lite grille (<1")	0.30	0.25	0.42	57	N, NC, SC, S	Yes
double strength, simulated divided lite grille (<1")	0.30	0.26	0.51	57	N, NC, SC, S	Yes
with ClimaGuard SPF, double strength, simulated divided lite grille (<1")	0.28	0.25	0.50	57	N, NC, SC, S	Yes
with tinted glass, double strength, simulated divided lite grille (<1")	0.28	0.29	0.38	58	N, NC, SC	Yes
with Solar Cool glass, double strength, simulated divided lite grille (<1")	0.28	0.14	0.15	58	N, NC, SC, S	Yes
triple strength, simulated divided lite grille (<1")	0.28	0.25	0.50	56	N, NC, SC, S	Yes
with ClimaGuard SPF, triple strength, simulated divided lite grille (<1")	0.28	0.25	0.49	56	N, NC, SC, S	Yes
with tinted glass, triple strength, simulated divided lite grille (<1")	0.28	0.26	0.33	56	N, NC, SC, S	Yes
with Solar Cool glass, triple strength, simulated divided lite grille (<1")	0.28	0.13	0.13	56	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Simulated Divided Lite Grilles (less than 1" grille bar)						
single strength glass, simulated divided lite grille (<1")	0.24	0.25	0.47	46	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (<1")	0.24	0.24	0.47	46	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (<1")	0.23	0.24	0.46	46	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Simulated Divided Lite Grilles (great than or equal to 1" grille bar)						
single strength, simulated divided lite grille (>=1")	0.30	0.23	0.46	57	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength, simulated divided lite grille (>=1")	0.30	0.23	0.45	57	N, NC, SC, S	Yes
with tinted glass, single strength, simulated divided lite grille (>=1")	0.30	0.23	0.37	57	N, NC, SC, S	Yes
double strength, simulated divided lite grille (>=1")	0.30	0.23	0.46	57	N, NC, SC, S	Yes
with ClimaGuard SPF, double strength, simulated divided lite grille (>=1")	0.28	0.23	0.45	57	N, NC, SC, S	Yes
with tinted glass, double strength, simulated divided lite grille (>=1")	0.28	0.26	0.34	58	N, NC, SC	Yes
with Solar Cool glass, double strength, simulated divided lite grille (>=1")	0.28	0.13	0.13	58	N, NC, SC, S	Yes
triple strength, simulated divided lite grille (>=1")	0.28	0.23	0.45	56	N, NC, SC, S	Yes
with ClimaGuard SPF, triple strength, simulated divided lite grille (>=1")	0.28	0.23	0.44	56	N, NC, SC, S	Yes
with tinted glass, triple strength, simulated divided lite grille (>=1")	0.28	0.26	0.29	56	N, NC, SC, S	Yes
with Solar Cool glass, triple strength, simulated divided lite grille (>=1")	0.28	0.12	0.11	56	N, NC, SC, S	Yes
SunClad USA Direct Set Fixed Lite (Narrow Frame) - Energy Advantage 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer - Simulated Divided Lite Grilles (great than or equal to 1" grille bar)						
single strength glass, simulated divided lite grille (>=1")	0.24	0.22	0.42	46	N, NC, SC, S	Yes
double strength glass, simulated divided lite grille (>=1")	0.24	0.22	0.42	46	N, NC, SC, S	Yes
triple strength glass, simulated divided lite grille (>=1")	0.23	0.22	0.42	46	N, NC, SC, S	Yes



Sun Windows - 2009/2010 Tax Credit Qualifying Products
SunClad USA Inswing Doors & Sidelites

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
SunClad USA Inswing Door - ClimaGuard 63/31 Low-E with Argon, Tempered Dual Glazed I.G. with 1/2" spacer						
tempered double strength, no grilles	0.30	0.19	0.38	62	N, NC, SC, S	Yes
with ClimaGuard SPF, tempered double strength, no grilles	0.30	0.19	0.38	62	N, NC, SC, S	Yes
with tinted glass, tempered double strength, no grilles	0.30	0.19	0.35	63	N, NC, SC, S	Yes
with Solar Cool glass, tempered double strength, no grilles	0.30	0.11	0.11	62	N, NC, SC, S	Yes
double Low-E, tempered double strength, no grilles	0.29	0.18	0.30	62	N, NC, SC, S	Yes
double Low-E, tempered double strength, grilles between the glass	0.29	0.18	0.30	62	N, NC, SC, S	Yes
double Low-E, tempered double strength, simulated divided lite grilles (<1")	0.30	0.16	0.25	62	N, NC, SC, S	Yes
double Low-E, tempered double strength, simulated divided lite grilles (>=1")	0.30	0.14	0.21	62	N, NC, SC, S	Yes
SunClad USA Inswing Door - Energy Advantage 63/31 Low-E with Argon, Tempered Dual Glazed I.G. with 1/2" spacer						
tempered double strength glass, no grilles	0.27	0.18	0.35	51	N, NC, SC, S	Yes
tempered double strength glass, grilles between the glass	0.28	0.16	0.30	51	N, NC, SC, S	Yes
tempered double strength glass, simulated divided lite grille (<1")	0.24	0.25	0.47	46	N, NC, SC, S	Yes
tempered double strength glass, simulated divided lite grille (>=1")	0.24	0.25	0.47	46	N, NC, SC, S	Yes
SunClad USA Sidelite for Inswing Door - ClimaGuard 63/31 Low-E with Argon, Tempered Dual Glazed I.G. with 1/2" spacer						
tempered double strength, no grilles	0.30	0.19	0.38	64	N, NC, SC, S	Yes
with ClimaGuard SPF, tempered double strength, no grilles	0.30	0.19	0.38	64	N, NC, SC, S	Yes
with tinted glass, tempered double strength, no grilles	0.30	0.19	0.35	64	N, NC, SC, S	Yes
with Solar Cool, tempered double strength, no grilles	0.30	0.11	0.11	64	N, NC, SC, S	Yes
SunClad USA Sidelite for Inswing Door - Energy Advantage 63/31 Low-E with Argon, Tempered Dual Glazed I.G. with 1/2" spacer						
tempered double strength glass, no grilles	0.27	0.18	0.35	51	N, NC, SC, S	Yes
tempered double strength glass, grilles between the glass	0.28	0.17	0.31	51	N, NC, SC, S	Yes
tempered double strength glass, simulated divided lite grille (<1")	0.28	0.17	0.31	51	N, NC, SC, S	Yes
tempered double strength glass, simulated divided lite grille (>=1")	0.28	0.15	0.28	51	N, NC, SC, S	Yes



Sun Vinyl Windows

	U-Value	SHGC	VLT	CR	2010 Energy Star	Tax Credit
Sun Vinyl SH57 Single Hung - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.28	0.25	0.51	62	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.29	0.25	0.50	62	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.30	0.23	0.46	62	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.30	0.23	0.44	62	N, NC, SC, S	Yes
Sun Vinyl DH57 Double Hung - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.29	0.25	0.51	60	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.29	0.25	0.49	60	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.30	0.23	0.46	60	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.30	0.23	0.44	60	N, NC, SC, S	Yes
Sun Vinyl DH54 Double Hung - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.28	0.25	0.51	60	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.29	0.25	0.49	60	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.30	0.23	0.45	60	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.30	0.23	0.44	60	N, NC, SC, S	Yes
Sun Vinyl SS57 Single Slider - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.28	0.26	0.51	63	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.28	0.25	0.50	63	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.29	0.23	0.46	63	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.29	0.23	0.45	63	N, NC, SC, S	Yes
Sun Vinyl SH57 Fixed Lite - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.26	0.27	0.53	64	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.26	0.26	0.52	65	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.28	0.24	0.48	64	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.28	0.24	0.47	65	N, NC, SC, S	Yes
Sun Vinyl PI57 Fixed Lite - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.26	0.26	0.53	65	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.26	0.26	0.52	66	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.27	0.24	0.48	65	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.27	0.24	0.47	66	N, NC, SC, S	Yes
Sun Vinyl PI54 Fixed Lite - ClimaGuard 63/31 Low-E with Argon, Dual Glazed I.G. with 1/2" spacer						
single strength glass, no grilles	0.26	0.27	0.53	64	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, no grilles	0.26	0.26	0.52	65	N, NC, SC, S	Yes
single strength glass, grilles between the glass	0.28	0.24	0.48	64	N, NC, SC, S	Yes
with ClimaGuard SPF, single strength glass, grilles between the glass	0.28	0.24	0.47	65	N, NC, SC, S	Yes