



Product Performance Values: Casement

Description	U-Value	SHGC	VLT	CR
Sun Clad USA Casement - Clear Glass , Double Glazed I.G. with 1/2" spacer - No Grilles				
Single Strength Glass, No Grilles	0.49	0.57	0.59	43
Sun Clad USA Casement - Sun Advantage 270 Low-E with Argon, Double Glazed I.G. with 1/2" spacer				
Single Strength Glass, No Grilles	0.33	0.23	0.45	58
Single Strength Glass, ClimaGuard SPF, No Grilles	0.33	0.23	0.44	58
Single Strength Glass, Tinted Glass, No Grilles	0.33	0.27	0.37	58
Double Strength Glass, No Grilles	0.33	0.23	0.45	58
Double Strength Glass, ClimaGuard SPF, No Grilles	0.33	0.23	0.44	58
Double Strength Glass, Tinted Glass, No Grilles	0.33	0.25	0.33	58
Double Strength Glass, Solar Cool Bronze, No Grilles	0.33	0.13	0.13	58
Triple Strength Glass, No Grilles	0.32	0.23	0.44	57
Triple Strength Glass, ClimaGuard SPF, No Grilles	0.32	0.22	0.43	57
Triple Strength Glass, Tinted Glass, No Grilles	0.32	0.23	0.29	57
Triple Strength Glass, Solar Cool Bronze, No Grilles	0.32	0.12	0.11	57
Single Strength Glass, Grilles Between the Glass	0.34	0.21	0.41	58
Single Strength Glass, ClimaGuard SPF, Grilles Between the Glass	0.34	0.21	0.40	58
Single Strength Glass, Tinted Glass, Grilles Between the Glass	0.34	0.25	0.33	58
Double Strength Glass, Grilles Between the Glass	0.34	0.21	0.41	58
Double Strength Glass, ClimaGuard SPF, Grilles Between the Glass	0.34	0.21	0.40	58
Double Strength Glass, Tinted Glass, Grilles Between the Glass	0.34	0.23	0.30	58
Double Strength Glass, Solar Cool Bronze, Grilles Between the Glass	0.34	0.12	0.12	58
Triple Strength Glass, Grilles Between the Glass	0.33	0.21	0.40	57
Triple Strength Glass, ClimaGuard SPF, Grilles Between the Glass	0.33	0.21	0.39	57
Triple Strength Glass, Tinted Glass, Grilles Between the Glass	0.33	0.21	0.26	57
Triple Strength Glass, Solar Cool Bronze, Grilles Between the Glass	0.33	0.11	0.10	57
Single Strength Glass, Simulated Divided Lite Grilles (<1)	0.34	0.21	0.41	58
Single Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (<1)	0.34	0.21	0.40	58
Single Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (<1)	0.34	0.25	0.33	58
Double Strength Glass, Simulated Divided Lite Grilles (<1)	0.34	0.21	0.41	58
Double Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (<1)	0.34	0.21	0.40	58
Double Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (<1)	0.34	0.23	0.30	58
Double Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (<1)	0.34	0.12	0.12	58
Triple Strength Glass, Simulated Divided Lite Grilles (<1)	0.33	0.21	0.40	57
Triple Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (<1)	0.33	0.21	0.39	57
Triple Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (<1)	0.33	0.21	0.26	57
Triple Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (<1)	0.33	0.11	0.10	57
Single Strength Glass, Simulated Divided Lite Grilles (>=1)	0.34	0.19	0.37	58
Single Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (>=1)	0.34	0.19	0.36	58
Single Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (>=1)	0.34	0.23	0.30	58
Double Strength Glass, Simulated Divided Lite Grilles (>=1)	0.34	0.19	0.37	58
Double Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (>=1)	0.34	0.19	0.36	58
Double Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (>=1)	0.34	0.21	0.27	58
Double Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (>=1)	0.34	0.11	0.11	58
Triple Strength Glass, Simulated Divided Lite Grilles (>=1)	0.33	0.19	0.36	57
Triple Strength Glass, ClimaGuard SPF, Simulated Divided Lite Grilles (>=1)	0.33	0.19	0.35	57
Triple Strength Glass, Tinted Glass, Simulated Divided Lite Grilles (>=1)	0.33	0.19	0.23	57
Triple Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (>=1)	0.33	0.10	0.09	57
<i>Note: All values listed are lab certified under specific conditions. Actual values of finished installed products may vary.</i>				



Description	U-Value	SHGC	VLT	CR
Sun Clad USA Casement - Sun Advantage 270 Low-E with Argon, Triple Glazed I.G. with two 3/8" spacers				
Single Strength Glass, No Grilles	0.29	0.21	0.41	64
Single Strength Glass, ClimaGuard 63/31, No Grilles	0.25	0.20	0.32	70
Single Strength Glass, ClimaGuard SPF, No Grilles	0.29	0.21	0.40	64
Single Strength Glass, Dual Low-E, No Grilles	0.27	0.20	0.38	52
Double Strength Glass, Solar Cool Bronze, No Grilles	0.29	0.12	0.12	64
Double Strength Glass, Dual Low-E, No Grilles	0.27	0.20	0.38	52
Single Strength Glass, Grilles Between the Glass	0.30	0.20	0.38	64
Single Strength Glass, ClimaGuard 63/31, Grilles Between the Glass	0.25	0.18	0.29	70
Single Strength Glass, Dual Low-E, Grilles Between the Glass	0.27	0.19	0.35	52
Double Strength Glass, Solar Cool Bronze, Grilles Between the Glass	0.30	0.11	0.11	64
Double Strength Glass, Dual Low-E, Grilles Between the Glass	0.27	0.19	0.34	52
Single Strength Glass, Simulated Divided Lite Grilles (<1)	0.30	0.20	0.38	64
Single Strength Glass, ClimaGuard 63/31, Simulated Divided Lite Grilles (<1)	0.25	0.18	0.29	70
Single Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (<1)	0.27	0.19	0.35	52
Double Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (<1)	0.30	0.11	0.11	64
Double Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (<1)	0.27	0.19	0.34	52
Single Strength Glass, Simulated Divided Lite Grilles (>=1)	0.30	0.18	0.34	64
Single Strength Glass, ClimaGuard 63/31, Simulated Divided Lite Grilles (>=1)	0.25	0.16	0.26	70
Single Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (>=1)	0.27	0.17	0.31	52
Double Strength Glass, Solar Cool Bronze, Simulated Divided Lite Grilles (>=1)	0.30	0.11	0.10	64
Double Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (>=1)	0.27	0.17	0.31	52
Sun Clad USA Casement - Sun Advantage 270 Low-E with Argon, IG & Blind Panel with 1/4" spacer and removable blind panel				
Single Strength Glass, No Grilles	0.31	0.22	0.41	64
Single Strength Glass, No Grilles	0.31	0.19	0.36	64
Sun Clad USA Casement - Sun Advantage 366 Low-E with Argon, Double Glazed I.G. with 1/2" spacer				
Single Strength Glass, No Grilles	0.33	0.20	0.39	58
Single Strength Glass, ClimaGuard SPF, No Grilles	0.33	0.20	0.38	58
Single Strength Glass, Grilles Between the Glass	0.34	0.19	0.35	58
Sun Clad USA Casement - Sun Advantage 366 Low-E with Argon, Triple Glazed I.G. with two 3/8" spacers				
Single Strength Glass, ClimaGuard SPF, No Grilles	0.29	0.19	0.35	64
Sun Clad USA Casement - Sun Advantage 270 Plus with 4th surface Low-E, Double Glazed I.G. with 1/2" spacer - No Grilles				
Single Strength Glass, Dual Low-E, No Grilles	0.30	0.22	0.41	47
Double Strength Glass, Dual Low-E, No Grilles	0.30	0.22	0.41	47
Triple Strength Glass, Dual Low-E, No Grilles	0.29	0.22	0.41	46
Single Strength Glass, Dual Low-E, Grilles Between the Glass	0.31	0.20	0.38	47
Double Strength Glass, Dual Low-E, Grilles Between the Glass	0.31	0.20	0.37	47
Triple Strength Glass, Dual Low-E, Grilles Between the Glass	0.30	0.20	0.37	46
Single Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (<1)	0.31	0.20	0.38	47
Double Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (<1)	0.31	0.20	0.37	47
Triple Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (<1)	0.30	0.20	0.37	46
Single Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (>=1)	0.31	0.18	0.34	47
Double Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (>=1)	0.31	0.18	0.33	47
Triple Strength Glass, Dual Low-E, Simulated Divided Lite Grilles (>=1)	0.30	0.18	0.33	46
<i>Note: All values listed are lab certified under specific conditions. Actual values of finished installed products may vary.</i>				