

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center of Glass ^{2,3}	Center Of Glass ^{2,3}
Awning	Clear/Clear	2	Air	Intercept Spacer	0.75	0.42	0.26	2.38	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Awning	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Awning	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Awning	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Awning	Clear/Clear	2	Air	Super Spacer	0.75	0.41	0.26	2.44	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Awning	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Awning	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Awning	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Awning	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Awning	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Awning	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Awning	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.41	0.26	2.44	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center of Glass ^{2,3}	Center Of Glass ^{2,3}
Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.40	0.26	2.50	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Awning	Clear/Clear	2	Air	Intercept Spacer	0.75	0.42	0.26	2.38	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Colonial Awning	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Colonial Awning	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Awning	Clear/Clear	2	Air	Super Spacer	0.75	0.41	0.26	2.44	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Colonial Awning	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Colonial Awning	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Colonial Awning	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Awning	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Awning	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.41	0.26	2.44	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Colonial Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Colonial Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.40	0.26	2.50	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.44	0.70	0.24	0.37	0.85	52.9	
Colonial Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.40	0.64	0.17	0.27	0.90	54.1	56.9%
Colonial Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Colonial Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass	Relative
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Temperature	Humidity
															(°F)	Cond. Point ⁷
Colonial Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.44	0.70	0.23	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.38	0.60	0.22	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.40	0.64	0.17	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.32	0.51	0.17	0.26	0.95	55.9	62.0%
Double Hung	Clear/Clear	2	Air	Intercept Spacer	0.75	0.49	0.26	2.04	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.36	0.30	2.78	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung	Clear/Clear	2	Air	Super Spacer	0.75	0.48	0.26	2.08	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.35	0.30	2.86	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.31	0.26	3.23	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.31	0.25	3.23	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.31	0.25	3.23	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce	Clear/Clear	2	Air	Intercept Spacer	0.75	0.47	0.26	2.13	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung (Non-Reinforce	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.34	0.30	2.94	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung (Non-Reinforce	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.30	0.26	3.33	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung (Non-Reinforce	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung (Non-Reinforce	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce	Clear/Clear	2	Air	Super Spacer	0.75	0.46	0.26	2.17	3.85	0.53	0.70	0.28	0.36	0.85	55.4	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Double Hung (Non-Reinforce)	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.33	0.30	3.03	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung (Non-Reinforce)	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce)	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.29	0.26	3.45	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Clear/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.47	0.25	2.13	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.34	0.30	2.94	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.26	3.33	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Clear/Clear (3/32)	2	Air	Super Spacer	0.75	0.46	0.25	2.17	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Air	Super Spacer	0.75	0.33	0.30	3.03	3.33	0.53	0.70	0.28	0.37	0.85	52.9	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.48	0.64	0.21	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.29	0.26	3.45	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.45	0.60	0.26	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.48	0.64	0.21	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Patio Door	Clear/Clear	2	Air	Intercept Spacer	0.75	0.46	0.26	2.17	3.85	0.57	0.70	0.29	0.36	0.85	55.4	
Patio Door	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.32	0.30	3.13	3.33	0.57	0.70	0.30	0.37	0.85	52.9	
Patio Door	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.32	0.30	3.13	3.33	0.52	0.64	0.22	0.27	0.90	54.1	56.9%
Patio Door	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.29	0.26	3.45	3.85	0.57	0.70	0.29	0.36	0.85	55.4	
Patio Door	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.49	0.60	0.28	0.34	0.95	55.7	
Patio Door	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.52	0.64	0.22	0.27	0.90	55.6	62.0%
Patio Door	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Patio Door	Clear/Clear	2	Air	Super Spacer	0.75	0.46	0.26	2.17	3.85	0.57	0.70	0.29	0.36	0.85	55.4	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Patio Door	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.57	0.70	0.30	0.37	0.85	52.9	
Patio Door	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.31	0.30	3.23	3.33	0.52	0.64	0.22	0.27	0.90	54.1	56.9%
Patio Door	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.28	0.26	3.57	3.85	0.57	0.70	0.29	0.36	0.85	55.4	
Patio Door	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.49	0.60	0.28	0.34	0.95	55.7	
Patio Door	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.52	0.64	0.22	0.27	0.90	55.6	62.0%
Patio Door	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Picture Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.44	0.26	2.27	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.53	0.70	0.29	0.37	0.85	52.9	
Picture Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Picture Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.46	0.60	0.26	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Picture Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.43	0.26	2.33	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.30	0.30	3.33	3.33	0.53	0.70	0.29	0.37	0.85	52.9	
Picture Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Picture Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.46	0.60	0.26	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.25	0.25	4.00	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Picture Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.46	0.60	0.26	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Picture Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.46	0.60	0.26	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.25	0.25	4.00	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.45	0.25	2.22	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Picture Window	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.31	0.30	3.23	3.33	0.57	0.70	0.30	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.31	0.30	3.23	3.33	0.52	0.64	0.22	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.57	0.70	0.29	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.49	0.60	0.28	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.52	0.64	0.22	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.45	0.25	2.22	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Picture Window	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.31	0.30	3.23	3.33	0.57	0.70	0.30	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.30	0.30	3.33	3.33	0.52	0.64	0.22	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.57	0.70	0.29	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.49	0.60	0.28	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.52	0.64	0.22	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.41	0.51	0.21	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.49	0.26	2.04	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.48	0.26	2.08	3.85	0.53	0.70	0.28	0.36	0.85	55.4	
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.48	0.26	2.08	3.85	0.57	0.70	0.30	0.36	0.85	55.4	
Picture Window	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.57	0.70	0.31	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.52	0.64	0.23	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.30	0.26	3.33	3.85	0.57	0.70	0.30	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.49	0.60	0.28	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.52	0.64	0.23	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.42	0.51	0.22	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.47	0.26	2.13	3.85	0.57	0.70	0.30	0.36	0.85	55.4	
Picture Window	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.57	0.70	0.31	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.52	0.64	0.23	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.29	0.26	3.45	3.85	0.57	0.70	0.30	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.49	0.60	0.28	0.34	0.95	55.7	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center of Glass ^{2,3}	Center Of Glass ^{2,3}
Picture Window	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.52	0.64	0.23	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.42	0.51	0.22	0.26	0.95	55.9	62.0%
Single Hung	Clear/Clear	2	Air	Intercept Spacer	0.75	0.49	0.26	2.04	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Single Hung	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.36	0.30	2.78	3.33	0.54	0.70	0.29	0.37	0.85	52.9	
Single Hung	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Single Hung	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Single Hung	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.46	0.60	0.27	0.34	0.95	55.7	
Single Hung	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Single Hung	Clear/Clear	2	Air	Super Spacer	0.75	0.48	0.26	2.08	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Single Hung	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.54	0.70	0.29	0.37	0.85	52.9	
Single Hung	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Single Hung	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.31	0.26	3.23	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Single Hung	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.46	0.60	0.27	0.34	0.95	55.7	
Single Hung	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Single Hung	Low-E 366/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Single Hung	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Clear (3/32)	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Single Hung	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Slider	Clear/Clear	2	Air	Intercept Spacer	0.75	0.48	0.26	2.08	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Slider	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.54	0.70	0.29	0.37	0.85	52.9	
Slider	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%
Slider	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.54	0.70	0.28	0.36	0.85	55.4	
Slider	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.46	0.60	0.27	0.34	0.95	55.7	
Slider	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%
Slider	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%
Slider	Clear/Clear	2	Air	Super Spacer	0.75	0.47	0.26	2.13	3.85	0.54	0.70	0.28	0.36	0.85	55.4	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with NO GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface	Relative Humidity	
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center Of Glass ^{2,3}	Center of Glass ^{2,3}	Cond. Point ⁷
Slider	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.54	0.70	0.29	0.37	0.85	52.9		
Slider	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.49	0.64	0.21	0.27	0.90	54.1	56.9%	
Slider	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.30	0.26	3.33	3.85	0.54	0.70	0.28	0.36	0.85	55.4		
Slider	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.46	0.60	0.27	0.34	0.95	55.7		
Slider	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.49	0.64	0.21	0.27	0.90	55.6	62.0%	
Slider	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.39	0.51	0.20	0.26	0.95	55.9	62.0%	

1) Low E emissivity coating = 0.154; Low E (SC) emissivity coating = 0.04.

2) Center of glass information based on double-strength, dual-pane glass.

3) All center of glass calculations done using Lawrence Berkely National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditons.

4) All total unit U-Factors tested in accordance to NFRC 100.

5) All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6) UV Block based on UV transmissions from 300 to 380 nm.

7) The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edge of the glass.

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center of Glass ^{2,3}	Center Of Glass ^{2,3}
Awning	Clear/Clear	2	Air	Intercept Spacer	0.75	0.42	0.26	2.38	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Awning	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Awning	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Awning	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Awning	Clear/Clear	2	Air	Super Spacer	0.75	0.41	0.26	2.44	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Awning	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Awning	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Awning	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Awning	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Awning	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Awning	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Awning	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.41	0.26	2.44	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center Of Glass ^{2,3}	Center Of Glass ^{2,3}
Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.40	0.26	2.50	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Awning	Clear/Clear	2	Air	Intercept Spacer	0.75	0.42	0.26	2.38	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Colonial Awning	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Colonial Awning	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Awning	Clear/Clear	2	Air	Super Spacer	0.75	0.41	0.26	2.44	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Colonial Awning	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Colonial Awning	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center Of Glass ^{2,3}	Center Of Glass ^{2,3}
Colonial Awning	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Awning	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Awning	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Awning	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Awning	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Awning	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.41	0.26	2.44	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Colonial Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Colonial Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.40	0.26	2.50	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.39	0.70	0.22	0.37	0.85	52.9	
Colonial Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.29	0.30	3.45	3.33	0.36	0.64	0.16	0.27	0.90	54.1	56.9%
Colonial Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Colonial Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass	Relative
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Temperature	Humidity
															(°F)	Cond. Point ⁷
Colonial Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.27	0.26	3.70	3.85	0.39	0.70	0.21	0.36	0.85	55.4	
Colonial Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.34	0.60	0.20	0.34	0.95	55.7	
Colonial Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.36	0.64	0.16	0.27	0.90	55.6	62.0%
Colonial Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.29	0.51	0.15	0.26	0.95	55.9	62.0%
Double Hung	Clear/Clear	2	Air	Intercept Spacer	0.75	0.49	0.26	2.04	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.36	0.30	2.78	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Double Hung	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.33	0.25	3.03	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Double Hung	Clear/Clear	2	Air	Super Spacer	0.75	0.48	0.26	2.08	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.35	0.30	2.86	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Double Hung	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.31	0.26	3.23	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.31	0.25	3.23	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.31	0.25	3.23	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce	Clear/Clear	2	Air	Intercept Spacer	0.75	0.48	0.26	2.08	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung (Non-Reinforce	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung (Non-Reinforce	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce	Clear/Clear	2	Air	Super Spacer	0.75	0.47	0.26	2.13	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung (Non-Reinforce	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Double Hung (Non-Reinforce)	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.31	0.26	3.23	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Clear/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.47	0.25	2.13	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.34	0.30	2.94	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.26	3.33	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Double Hung (Non-Reinforce)	Clear/Clear (3/32)	2	Air	Super Spacer	0.75	0.46	0.25	2.17	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Air	Super Spacer	0.75	0.33	0.30	3.03	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Double Hung (Non-Reinforce)	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.29	0.26	3.45	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Double Hung (Non-Reinforce)	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.40	0.60	0.24	0.34	0.95	55.7	
Double Hung (Non-Reinforce)	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Double Hung (Non-Reinforce)	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.34	0.51	0.18	0.26	0.95	55.9	62.0%
Patio Door	Clear/Clear	2	Air	Intercept Spacer	0.75	0.47	0.26	2.13	3.85	0.50	0.70	0.26	0.36	0.85	55.4	
Patio Door	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.34	0.30	2.94	3.33	0.50	0.70	0.27	0.37	0.85	52.9	
Patio Door	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.34	0.30	2.94	3.33	0.45	0.64	0.20	0.27	0.90	54.1	56.9%
Patio Door	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.26	3.23	3.85	0.50	0.70	0.26	0.36	0.85	55.4	
Patio Door	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.43	0.60	0.25	0.34	0.95	55.7	
Patio Door	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.45	0.64	0.20	0.27	0.90	55.6	62.0%
Patio Door	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.36	0.51	0.19	0.26	0.95	55.9	62.0%
Patio Door	Clear/Clear	2	Air	Super Spacer	0.75	0.46	0.26	2.17	3.85	0.50	0.70	0.26	0.36	0.85	55.4	
Patio Door	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.50	0.70	0.27	0.37	0.85	52.9	
Patio Door	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.33	0.30	3.03	3.33	0.45	0.64	0.20	0.27	0.90	54.1	56.9%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center Of Glass ^{2,3}	Center Of Glass ^{2,3}
Patio Door	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.30	0.26	3.33	3.85	0.50	0.70	0.26	0.36	0.85	55.4	
Patio Door	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.43	0.60	0.25	0.34	0.95	55.7	
Patio Door	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.45	0.64	0.20	0.27	0.90	55.6	62.0%
Patio Door	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.36	0.51	0.19	0.26	0.95	55.9	62.0%
Picture Casement	Clear/Clear	2	Air	Intercept Spacer	0.75	0.44	0.26	2.27	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.32	0.30	3.13	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Picture Casement	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.30	0.30	3.33	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Picture Casement	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.26	3.57	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.35	0.51	0.18	0.26	0.95	55.9	62.0%
Picture Casement	Clear/Clear	2	Air	Super Spacer	0.75	0.44	0.26	2.27	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.31	0.30	3.23	3.33	0.47	0.70	0.26	0.37	0.85	52.9	
Picture Casement	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.31	0.30	3.23	3.33	0.43	0.64	0.19	0.27	0.90	54.1	56.9%
Picture Casement	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.28	0.26	3.57	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.25	0.25	4.00	4.00	0.35	0.51	0.18	0.26	0.95	55.9	62.0%
Picture Casement	Low-E 270/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.26	3.70	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.27	0.25	3.70	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Intercept Spacer	0.75	0.26	0.25	3.85	4.00	0.35	0.51	0.18	0.26	0.95	55.9	62.0%
Picture Casement	Low-E 270/Clear (3/32)	2	Argon	Super Spacer	0.75	0.26	0.26	3.85	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Casement	Low-E 270/Low E 270 (3/32)	2	Argon	Super Spacer	0.75	0.26	0.25	3.85	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Picture Casement	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.43	0.64	0.19	0.27	0.90	55.6	62.0%
Picture Casement	Low-E 366/Low E 366 (3/32)	2	Argon	Super Spacer	0.75	0.25	0.25	4.00	4.00	0.35	0.51	0.18	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.46	0.25	2.17	4.00	0.37	0.51	0.19	0.26	0.95	55.9	62.0%
Picture Window	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.51	0.70	0.27	0.37	0.85	52.9	

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Picture Window	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.33	0.30	3.03	3.33	0.46	0.64	0.20	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.29	0.26	3.45	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.43	0.60	0.25	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.29	0.25	3.45	4.00	0.46	0.64	0.20	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.28	0.25	3.57	4.00	0.37	0.51	0.19	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.46	0.25	2.17	4.00	0.37	0.51	0.19	0.26	0.95	55.9	62.0%
Picture Window	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.33	0.30	3.03	3.33	0.51	0.70	0.27	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.32	0.30	3.13	3.33	0.46	0.64	0.20	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.29	0.26	3.45	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.43	0.60	0.25	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.28	0.25	3.57	4.00	0.46	0.64	0.20	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.27	0.25	3.70	4.00	0.37	0.51	0.19	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.51	0.26	1.96	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.51	0.26	1.96	3.85	0.47	0.70	0.25	0.36	0.85	55.4	
Picture Window	Clear/Clear	2	Air	Intercept Spacer	0.75	0.48	0.26	2.08	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.51	0.70	0.28	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.47	0.64	0.21	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.26	3.23	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.44	0.60	0.26	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.47	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.30	0.25	3.33	4.00	0.37	0.51	0.20	0.26	0.95	55.9	62.0%
Picture Window	Clear/Clear	2	Air	Super Spacer	0.75	0.47	0.26	2.13	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.51	0.70	0.28	0.37	0.85	52.9	
Picture Window	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.47	0.64	0.21	0.27	0.90	54.1	56.9%
Picture Window	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.30	0.26	3.33	3.85	0.51	0.70	0.27	0.36	0.85	55.4	
Picture Window	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.44	0.60	0.26	0.34	0.95	55.7	
Picture Window	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.47	0.64	0.21	0.27	0.90	55.6	62.0%
Picture Window	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.29	0.25	3.45	4.00	0.37	0.51	0.20	0.26	0.95	55.9	62.0%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		(°F)	Cond. Point ⁷
Single Hung	Clear/Clear	2	Air	Intercept Spacer	0.75	0.49	0.26	2.04	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Single Hung	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.36	0.30	2.78	3.33	0.48	0.70	0.26	0.37	0.85	52.9	
Single Hung	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.36	0.30	2.78	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%
Single Hung	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Single Hung	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Single Hung	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.33	0.25	3.03	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.35	0.51	0.19	0.26	0.95	55.9	62.0%
Single Hung	Clear/Clear	2	Air	Super Spacer	0.75	0.48	0.26	2.08	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Single Hung	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.48	0.70	0.26	0.37	0.85	52.9	
Single Hung	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.36	0.30	2.78	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%
Single Hung	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.31	0.26	3.23	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Single Hung	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Single Hung	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.32	0.25	3.13	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.35	0.51	0.19	0.26	0.95	55.9	62.0%
Single Hung	Low-E 366/Clear (3/32)	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%
Single Hung	Low-E 366/Clear (3/32)	2	Argon	Intercept Spacer	0.75	0.32	0.25	3.13	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%
Single Hung	Low-E 366/Clear (3/32)	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%
Single Hung	Low-E 366/Clear (3/32)	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%
Slider	Clear/Clear	2	Air	Intercept Spacer	0.75	0.48	0.26	2.08	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Slider	Low-E 270/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.48	0.70	0.26	0.37	0.85	52.9	
Slider	Low-E 366/Clear	2	Air	Intercept Spacer	0.75	0.35	0.30	2.86	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%
Slider	Low-E 270/Clear	2	Argon	Intercept Spacer	0.75	0.32	0.26	3.13	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Slider	Low-E 270/Low E 270	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.41	0.60	0.24	0.34	0.95	55.7	
Slider	Low-E 366/Clear	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%
Slider	Low-E 366/Low E 366	2	Argon	Intercept Spacer	0.75	0.31	0.25	3.23	4.00	0.35	0.51	0.19	0.26	0.95	55.9	62.0%
Slider	Clear/Clear	2	Air	Super Spacer	0.75	0.47	0.26	2.13	3.85	0.48	0.70	0.25	0.36	0.85	55.4	
Slider	Low-E 270/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.48	0.70	0.26	0.37	0.85	52.9	
Slider	Low-E 366/Clear	2	Air	Super Spacer	0.75	0.34	0.30	2.94	3.33	0.44	0.64	0.19	0.27	0.90	54.1	56.9%

ProFinish Contractor

Testing Data

Thermal Performance

(Data pertains to units with GRIDS)

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	IG Thickness	U-Factor ⁴		R-Value		Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁶	Inside Glass Surface Temperature	Relative Humidity	
						Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ^{2,3}	Total Unit	Center Of Glass ³	Total Unit	Center Of Glass ³		Center Of Glass ^{2,3}	Center of Glass ^{2,3}	Center Of Glass ^{2,3}
Slider	Low-E 270/Clear	2	Argon	Super Spacer	0.75	0.30	0.26	3.33	3.85	0.48	0.70	0.25	0.36	0.85	55.4		
Slider	Low-E 270/Low E 270	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.41	0.60	0.24	0.34	0.95	55.7		
Slider	Low-E 366/Clear	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.44	0.64	0.19	0.27	0.90	55.6	62.0%	
Slider	Low-E 366/Low E 366	2	Argon	Super Spacer	0.75	0.30	0.25	3.33	4.00	0.35	0.51	0.19	0.26	0.95	55.9	62.0%	

1) Low E emissivity coating = 0.154; Low E (SC) emissivity coating = 0.04.

2) Center of glass information based on double-strength, dual-pane glass.

3) All center of glass calculations done using Lawrence Berkely National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4) All total unit U-Factors tested in accordance to NFRC 100.

5) All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6) UV Block based on UV transmissions from 300 to 380 nm.

7) The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edge of the glass.