

OPACI-COAT®
Calculated Thermal and Optical Properties

OPACI-COAT-300/500® Spandrel

Calculated performance data on 1/4" (6mm) Clear Glass

				Transmittance %			Reflectance %			Winter U-Value English	Shading Coefficient	Solar Heat Gain	Relative Heat Gain
				Visible	UV	Solar	Visible (Out)	Visible (In)	Solar Energy (Out)				
Color	Glazing	Coating Surface	Coverage										
Black	Monolithic	#2	100%	0	0	1	5	6	6	1.02	0.36	0.31	84
Black	1" IGU - Air Filled	#4	100%	0	0	0	12	6	10	0.47	0.57	0.50	121
Gray	Monolithic	#2	100%	5	0	12	19	26	16	1.02	0.40	0.35	94
Gray	1" IGU - Air Filled	#4	100%	4	0	9	24	26	18	0.47	0.55	0.48	116
White	Monolithic	#2	100%	17	0	19	34	59	26	1.02	0.42	0.36	97
White	1" IGU - Air Filled	#4	100%	16	0	15	36	60	24	0.47	0.52	0.45	110

OPACI-COAT-500® Decorative Screen Print

Calculated performance data on 1/4" (6mm) Clear Glass

				Transmittance %			Reflectance %			Winter U-Value English	Shading Coefficient	Solar Heat Gain	Relative Heat Gain
				Visible	UV	Solar	Visible (Out)	Visible (In)	Solar Energy (Out)				
Color	Glazing	Coating Surface	Coverage										
Black	Monolithic	#2	30%	62	44	54	7	8	7	1.02	0.76	0.66	165
Black	Monolithic	#2	50%	44	31	39	6	7	6	1.02	0.64	0.56	142
Black	Monolithic	#2	70%	26	19	23	6	7	6	1.02	0.53	0.46	119
Black	1" IGU - Air Filled	#3	30%	55	34	42	14	11	11	0.47	0.73	0.64	153
Black	1" IGU - Air Filled	#3	50%	39	24	30	14	8	12	0.47	0.68	0.59	143
Black	1" IGU - Air Filled	#3	70%	24	14	18	14	6	12	0.47	0.63	0.55	133
Black	1" IGU - Air Filled	#4	30%	55	34	42	14	11	11	0.47	0.73	0.64	153
Black	1" IGU - Air Filled	#4	50%	39	24	30	14	9	11	0.47	0.68	0.60	144
Black	1" IGU - Air Filled	#4	70%	24	14	18	13	8	11	0.47	0.64	0.56	135
Gray	Monolithic	#2	30%	63	44	57	11	14	10	1.02	0.77	0.67	168
Gray	Monolithic	#2	50%	47	31	44	14	17	12	1.02	0.67	0.58	147
Gray	Monolithic	#2	70%	30	19	32	16	21	14	1.02	0.56	0.49	125
Gray	1" IGU - Air Filled	#3	30%	57	34	45	19	15	15	0.47	0.71	0.62	150
Gray	1" IGU - Air Filled	#3	50%	42	24	35	22	15	17	0.47	0.65	0.57	138
Gray	1" IGU - Air Filled	#3	70%	27	15	25	25	17	19	0.47	0.59	0.52	126
Gray	1" IGU - Air Filled	#4	30%	57	34	45	17	17	13	0.47	0.72	0.63	152
Gray	1" IGU - Air Filled	#4	50%	42	24	35	19	19	15	0.47	0.67	0.59	142
Gray	1" IGU - Air Filled	#4	70%	27	15	25	21	22	16	0.47	0.62	0.54	132
White	Monolithic	#2	30%	67	44	59	16	24	13	1.02	0.78	0.68	169
White	Monolithic	#2	50%	53	31	48	21	34	17	1.02	0.68	0.59	149
White	Monolithic	#2	70%	39	19	37	26	44	20	1.02	0.57	0.50	128
White	1" IGU - Air Filled	#3	30%	61	34	47	27	20	20	0.47	0.68	0.59	143
White	1" IGU - Air Filled	#3	50%	48	24	38	36	23	25	0.47	0.60	0.52	127
White	1" IGU - Air Filled	#3	70%	36	15	29	44	27	31	0.47	0.52	0.45	110
White	1" IGU - Air Filled	#4	30%	60	34	47	21	27	15	0.47	0.72	0.62	150
White	1" IGU - Air Filled	#4	50%	48	24	38	25	36	18	0.47	0.66	0.57	139
White	1" IGU - Air Filled	#4	70%	35	14	29	29	45	20	0.47	0.60	0.52	127