

Coated Insulating Glass Unit Performance Data^{1,10}

	Nominal Glass Thickness		Visible Light ²			Solar Energy ²			U-Factor ⁵						Solar Heat Gain Coefficient ⁷	Shading Coefficient ⁸
	in.	mm	Transmittance ³ %	Reflectance ⁴ %		Transmittance ³ %	Reflectance ⁴ %	UV Transmittance ² %	U.S. Summer*		U.S. Winter*		European ^{6**}			
				Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Solar-E™ outer lite (coating on #2 surface) and Pilkington Optifloat™ Clear inner lite																
Clear	1/8	3	55	11	16	41	10	41	0.33	0.28	0.34	0.29	1.9	1.6	0.47	0.54
	5/32	4	55	10	16	40	9	39	0.33	0.28	0.34	0.29	1.9	1.6	0.46	0.53
	3/16	5	53	10	15	36	9	34	0.33	0.28	0.33	0.29	1.9	1.6	0.45	0.52
	1/4	6	53	10	15	34	9	31	0.33	0.28	0.33	0.29	1.8	1.5	0.43	0.50
	5/16	8	52	10	15	32	8	29	0.33	0.28	0.33	0.29	1.8	1.5	0.43	0.49
EverGreen	1/4	6	40	8	15	17	6	7	0.33	0.28	0.33	0.29	1.8	1.5	0.26	0.30
	5/16	8	35	8	15	14	6	4	0.33	0.28	0.33	0.29	1.8	1.5	0.23	0.27
Pilkington Solar-E™ Plus outer lite (coating on #2 surface) and Pilkington Optifloat™ Clear inner lite																
Grey	1/4	6	21	6	15	16	6	10	0.33	0.28	0.33	0.29	1.9	1.6	0.26	0.30
	5/16	8	17	6	14	12	5	7	0.33	0.28	0.33	0.29	1.8	1.5	0.23	0.26
Blue-Green	1/4	6	37	8	15	20	6	15	0.33	0.28	0.33	0.29	1.9	1.6	0.30	0.34
	5/16	8	34	7	15	17	6	12	0.33	0.28	0.33	0.29	1.8	1.5	0.27	0.31
Graphite Blue	1/4	6	31	7	15	22	6	18	0.33	0.28	0.33	0.29	1.9	1.6	0.32	0.37
	5/16	8	26	7	15	18	6	14	0.33	0.28	0.33	0.29	1.8	1.5	0.28	0.33
Arctic Blue	1/4	6	27	6	14	14	5	9	0.33	0.28	0.33	0.29	1.9	1.6	0.24	0.27
	5/16	8	24	6	14	12	5	7	0.33	0.28	0.33	0.29	1.8	1.5	0.22	0.25
Pilkington Solar-E™ (coating on #2 surface) outer lite and Pilkington Energy Advantage™ Low-e (coating on the #4 surface) inner lite ⁹																
Clear	1/4	6	49	11	17	32	9	26	0.24	0.22	0.26	0.23	1.6	1.3	0.41	0.47
	5/16	8	48	11	17	29	9	23	0.24	0.21	0.26	0.23	1.5	1.3	0.40	0.45
EverGreen	1/4	6	37	8	17	16	6	5	0.24	0.22	0.26	0.23	1.6	1.3	0.24	0.27
	5/16	8	33	8	17	12	6	3	0.24	0.21	0.26	0.23	1.5	1.3	0.21	0.24
Pilkington Solar-E™ Plus (coating on #2 surface) outer lite and Pilkington Energy Advantage™ Low-e (coating on the #4 surface) inner lite ⁹																
Grey	1/4	6	20	6	17	14	6	8	0.25	0.22	0.26	0.23	1.6	1.3	0.23	0.26
	5/16	8	16	6	16	11	5	5	0.24	0.22	0.26	0.23	1.6	1.3	0.20	0.23
Blue-Green	1/4	6	34	8	17	18	6	12	0.25	0.22	0.26	0.23	1.6	1.3	0.27	0.31
	5/16	8	32	7	16	15	6	9	0.24	0.22	0.26	0.23	1.6	1.3	0.24	0.28
Graphite Blue	1/4	6	29	7	17	20	6	14	0.25	0.22	0.26	0.23	1.6	1.3	0.29	0.34
	5/16	8	25	7	16	16	6	11	0.24	0.22	0.26	0.23	1.6	1.3	0.26	0.29
Arctic Blue	1/4	6	25	6	16	13	5	7	0.25	0.22	0.26	0.23	1.6	1.3	0.21	0.25
	5/16	8	22	6	16	11	5	5	0.24	0.22	0.26	0.23	1.6	1.3	0.19	0.22

An insulating unit consists of two lites of equal glass thickness, and a 1/2 in. (12.7 mm) airspace.

*U.S. U-Factor (Btu/hr.sq.ft. °F) is based on NFRC/ASTM standards, **European U-Factor (W/sq.m.K) is based on EN 410/673 (CEN) standard.

All performance values are center-of-glass values calculated using the LBNL Window 6.3 program. See Pilkington Architectural Product Guide for explanation of references - ^{1,10}.

Coated Insulating Glass Unit Performance Data^{1,10}

	Nominal Glass Thickness		Visible Light ²			Solar Energy ²			U-Factor ⁵						Solar Heat Gain Coefficient ⁷	Shading Coefficient ⁸
			Transmittance ³ %	Reflectance ⁴ %		Transmittance ³ %	Reflectance ⁴ %	UV Transmittance ² %	U.S. Summer*		U.S. Winter*		European ^{6**}			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Eclipse Advantage [™] (coating on #2 surface) outer lite and Pilkington Optifloat [™] Clear inner lite																
Clear	1/4	6	60	29	31	46	21	24	0.35	0.30	0.35	0.30	1.9	1.6	0.55	0.63
	5/16	8	58	29	30	42	20	21	0.34	0.30	0.34	0.30	1.9	1.6	0.53	0.60
Blue-Green	1/4	6	51	21	29	29	12	13	0.35	0.30	0.35	0.30	1.9	1.6	0.38	0.44
	5/16	8	47	19	29	24	10	10	0.34	0.30	0.34	0.30	1.9	1.6	0.34	0.39
EverGreen	1/4	6	43	17	30	20	9	6	0.35	0.30	0.35	0.30	1.9	1.6	0.29	0.33
	5/16	8	38	15	29	15	8	4	0.34	0.30	0.34	0.30	1.9	1.6	0.25	0.29
Arctic Blue	1/4	6	35	13	30	19	9	9	0.35	0.30	0.35	0.30	1.9	1.6	0.29	0.33
	5/16	8	29	11	29	14	7	6	0.34	0.30	0.34	0.30	1.9	1.6	0.25	0.28
Bronze	1/4	6	34	13	29	28	11	9	0.35	0.30	0.35	0.30	1.9	1.6	0.38	0.44
	5/16	8	28	10	28	21	9	6	0.34	0.30	0.34	0.30	1.9	1.6	0.33	0.38
Grey	1/4	6	29	10	29	23	9	8	0.35	0.30	0.35	0.30	1.9	1.6	0.34	0.39
	5/16	8	22	8	29	17	7	6	0.34	0.30	0.34	0.30	1.9	1.6	0.28	0.32
Pilkington Eclipse Advantage [™] (coating on #2 surface) outer lite and Pilkington Energy Advantage [™] Low-e (coating on #4 surface) inner lite ⁹																
Clear	1/4	6	56	30	30	41	22	19	0.25	0.23	0.27	0.24	1.6	1.4	0.51	0.58
	5/16	8	55	29	30	37	20	17	0.25	0.23	0.27	0.24	1.6	1.4	0.48	0.55
Blue-Green	1/4	6	48	22	29	26	12	10	0.25	0.23	0.27	0.24	1.6	1.4	0.35	0.40
	5/16	8	44	20	29	21	11	8	0.25	0.23	0.27	0.24	1.6	1.4	0.30	0.35
EverGreen	1/4	6	40	18	30	18	9	5	0.25	0.23	0.27	0.24	1.6	1.4	0.26	0.30
	5/16	8	36	15	29	14	8	3	0.25	0.23	0.27	0.24	1.6	1.4	0.23	0.26
Arctic Blue	1/4	6	33	14	29	17	9	7	0.25	0.23	0.27	0.24	1.6	1.4	0.26	0.30
	5/16	8	27	11	29	13	7	5	0.25	0.23	0.27	0.24	1.6	1.4	0.22	0.25
Bronze	1/4	6	32	13	29	24	11	7	0.25	0.23	0.27	0.24	1.6	1.4	0.34	0.39
	5/16	8	26	10	28	19	9	5	0.25	0.23	0.27	0.24	1.6	1.4	0.29	0.33
Grey	1/4	6	27	11	29	20	9	7	0.25	0.23	0.27	0.24	1.6	1.4	0.30	0.35
	5/16	8	21	8	29	15	7	5	0.25	0.23	0.27	0.24	1.6	1.4	0.25	0.29

An insulating unit consists of two lites of equal glass thickness, and a 1/2 in. (12.7 mm) airspace.

*U.S. U-Factor (Btu/hr.sq ft. °F) is based on NFRC/ASTM standards, **European U-Factor (W/sq m K) is based on EN 410/673 (CEN) standard.

All performance values are center-of-glass values calculated using the LBNL Window 6.3 program. See Pilkington Architectural Product Guide for explanation of references - ^{1,10}.

	Nominal Glass Thickness		Visible Light ²			Solar Energy ²			U-Factor ⁵						Solar Heat Gain Coefficient ⁷	Shading Coefficient ⁸
			Transmittance ³	Reflectance ⁴ %		Transmittance ³ %	Reflectance ⁴ %	UV Transmittance ² %	U.S. Summer*		U.S. Winter*		Europe**			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Eclipse™ (coating on #2 surface) outer lite and Pilkington Optifloat™ Clear inner lite																
Gold	1/4	6	36	38	45	35	27	7	0.50	0.47	0.47	0.45	2.8	2.6	0.45	0.52
	5/16	8	36	35	42	31	24	5	0.49	0.47	0.47	0.44	2.8	2.6	0.43	0.49
Sunset Gold	1/4	6	22	16	44	24	13	3	0.50	0.47	0.47	0.45	2.8	2.6	0.36	0.42
Pilkington Eclipse™ (coating on #2 surface) outer lite and Pilkington Energy Advantage™ Low-e (coating on #3 surface) inner lite																
Gold	1/4	6	34	38	42	30	28	5	0.33	0.28	0.33	0.29	1.8	1.5	0.41	0.48
	5/16	8	34	36	40	26	26	4	0.33	0.28	0.33	0.28	1.8	1.5	0.39	0.45
Sunset Gold	1/4	6	21	16	41	19	14	2	0.33	0.28	0.33	0.29	1.8	1.5	0.31	0.36
Pilkington Activ™ (coating on #1 surface) outer lite and Pilkington Optifloat™ Clear inner lite																
Clear	1/8	3	77	21	20	71	17	43	0.51	0.48	0.48	0.45	2.8	2.7	0.74	0.86
	5/32	4	76	21	20	69	17	41	0.50	0.48	0.48	0.45	2.8	2.7	0.73	0.84
	1/4	6	74	21	20	59	16	34	0.50	0.47	0.47	0.45	2.8	2.6	0.68	0.78
Blue	1/4	6	44	16	15	26	12	11	0.50	0.47	0.47	0.45	2.8	2.6	0.38	0.43
Pilkington Activ™ (coating on #1 surface) outer lite and Pilkington Energy Advantage™ Low-e (coating on #3 surface) inner lite																
Clear	1/8	3	72	23	21	60	20	36	0.33	0.28	0.34	0.29	1.9	1.6	0.69	0.80
	5/32	4	71	23	21	58	20	34	0.33	0.28	0.34	0.29	1.9	1.5	0.68	0.78
	1/4	6	69	23	20	51	19	27	0.33	0.28	0.33	0.29	1.8	1.5	0.64	0.74
Blue	1/4	6	40	17	16	22	12	9	0.33	0.28	0.33	0.29	1.8	1.5	0.33	0.38
Pilkington Activ™ (coating on #1 surface) outer lite and Pilkington Solar-E™ (coating on #3 surface) inner lite																
Clear	1/8	3	51	21	13	37	20	27	0.33	0.28	0.34	0.29	1.9	1.6	0.64	0.74
	5/32	4	51	21	13	36	20	26	0.33	0.28	0.34	0.29	1.9	1.6	0.63	0.73
	1/4	6	50	21	13	34	19	24	0.33	0.28	0.33	0.29	1.8	1.5	0.60	0.69
Blue	1/4	6	30	16	11	15	12	8	0.33	0.28	0.33	0.29	1.8	1.5	0.31	0.36

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