

### One-Way Mirror Performance Data

Product	Nominal Glass Thickness		Glass Substrate	Visible <sup>2</sup> Transmittance (%)	Visible <sup>4</sup> Reflectance Coated Side (%)	Visible <sup>4</sup> Reflectance Glass Side (%)	Recommended Light Ratio	Proper Glazing
	in.	mm						
Pilkington <b>Mirropane™</b>	1/4	6	Grey	11	68	16	8:1 Subject-side: Observer-side	Mirror coating toward <b>subject-side</b>
Pilkington <b>MirroView™</b>	1/8	3	Clear	20	76	70	-	Mirror coating toward <b>viewer-side</b>
	1/4	6	Clear	20	74	66	-	Mirror coating toward <b>viewer-side</b>
Pilkington <b>MirroView™</b> 50/50	1/4	6	Clear	45	53	50	-	Mirror coating toward viewer-side

† Typical values of Pilkington production are provided.

‡ Visible data is based on laboratory spectrophotometric measurements weighted by the factors in W5\_NFRC\_2003.STD in LBNL Window 5.2 software.

### Pilkington Energy Advantage™ Low-e Insulating Glass Unit Performance Data<sup>1,10</sup>

	Nominal Glass Thickness		Visible Light <sup>2</sup>			Solar Energy <sup>2</sup>			U-Factor <sup>5</sup>						Solar Heat Gain Coefficient <sup>7</sup>	Shading Coefficient <sup>8</sup>
			Transmittance <sup>3</sup> %	Reflectance <sup>4</sup> %		Transmittance <sup>3</sup> %	Reflectance <sup>4</sup> %	UV Transmittance <sup>2</sup> %	U.S. Summer*		U.S. Winter*		European <sup>6**</sup>			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Uncoated Float Glass outer lite and Pilkington <b>Energy Advantage™</b> low-e (coating on #3 surface) inner lite																
Clear	3/32	2.5	77	18	17	67	17	58	0.33	0.28	0.34	0.29	1.9	1.6	0.76	0.88
	1/8	3	77	17	17	66	17	55	0.33	0.28	0.34	0.29	1.9	1.6	0.75	0.87
	5/32	4	77	17	16	64	17	53	0.33	0.28	0.34	0.29	1.9	1.5	0.74	0.85
	3/16	5	74	17	17	55	15	41	0.33	0.28	0.33	0.29	1.8	1.5	0.68	0.79
	1/4	6	73	17	16	52	14	37	0.33	0.28	0.33	0.29	1.8	1.5	0.67	0.77
Green	1/4	6	63	13	15	33	9	18	0.33	0.28	0.33	0.29	1.8	1.5	0.44	0.50
Blue-Green	1/4	6	62	13	15	34	9	21	0.33	0.28	0.33	0.29	1.8	1.5	0.46	0.52
Bronze	1/8	3	58	12	15	48	12	27	0.33	0.28	0.34	0.29	1.9	1.6	0.58	0.67
	3/16	5	49	10	15	38	10	19	0.33	0.28	0.33	0.29	1.8	1.5	0.50	0.58
	1/4	6	42	8	14	32	8	14	0.33	0.28	0.33	0.29	1.8	1.5	0.45	0.52
Grey	1/8	3	52	10	15	43	10	26	0.33	0.28	0.34	0.29	1.9	1.6	0.53	0.61
	3/16	5	42	8	15	32	8	17	0.33	0.28	0.33	0.29	1.8	1.5	0.45	0.51
	1/4	6	36	7	14	27	7	13	0.33	0.28	0.33	0.29	1.8	1.5	0.40	0.46
Pilkington <b>Graphite Blue™</b>	1/4	6	50	10	14	37	10	23	0.33	0.28	0.33	0.29	1.8	1.5	0.50	0.57
	5/16	8	44	9	14	30	8	18	0.33	0.28	0.33	0.28	1.8	1.5	0.44	0.50
Pilkington <b>EverGreen™</b> High Performance Tint	1/8	3	65	14	16	37	9	20	0.33	0.28	0.34	0.29	1.9	1.6	0.46	0.53
	3/16	5	61	13	16	31	8	14	0.33	0.28	0.33	0.29	1.8	1.5	0.41	0.47
	1/4	6	54	11	14	24	7	9	0.33	0.28	0.33	0.29	1.8	1.5	0.35	0.40
Pilkington <b>Arctic Blue™</b> High Performance Tint	5/32	4	55	11	15	34	8	23	0.33	0.28	0.34	0.29	1.9	1.5	0.44	0.50
	1/4	6	43	9	14	23	7	13	0.33	0.28	0.33	0.29	1.8	1.5	0.34	0.39
	5/16	8	35	7	14	17	6	8	0.33	0.28	0.33	0.28	1.8	1.5	0.29	0.33
Pilkington <b>SuperGrey™</b> High Performance Tint	1/8	3	21	5	14	16	5	5	0.33	0.28	0.34	0.29	1.9	1.6	0.27	0.31
	3/16	5	10	4	14	7	4	2	0.33	0.28	0.33	0.29	1.8	1.5	0.18	0.21
	1/4	6	7	4	13	5	4	1	0.33	0.28	0.33	0.29	1.8	1.5	0.16	0.18

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.

**Pilkington Energy Advantage™ Low-e Insulating Glass Unit Performance Data<sup>1,10</sup>**

	Nominal Glass Thickness		Visible Light <sup>2</sup>			Solar Energy <sup>2</sup>			U-Factor <sup>5</sup>						Solar Heat Gain Coefficient <sup>7</sup>	Shading Coefficient <sup>8</sup>
			Transmittance <sup>3</sup> %	Reflectance <sup>4</sup> %		Transmittance <sup>3</sup> %	Reflectance <sup>4</sup> %	UV Transmittance <sup>2</sup> %	U.S. Summer*		U.S. Winter*		European <sup>6**</sup>			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington <b>Energy Advantage™</b> Low-e (coating on #2 surface) outer lite and Pilkington <b>Optifloat™</b> Clear inner lite																
	3/32	2.5	77	17	18	67	16	58	0.33	0.28	0.34	0.29	1.9	1.6	0.70	0.81
	1/8	3	77	17	17	66	16	55	0.33	0.28	0.34	0.29	1.9	1.6	0.69	0.80
	5/32	4	77	16	17	64	15	53	0.33	0.28	0.34	0.29	1.9	1.5	0.69	0.79
	3/16	5	74	17	17	55	14	41	0.33	0.28	0.33	0.29	1.8	1.5	0.63	0.73
	1/4	6	73	16	17	52	13	37	0.33	0.28	0.33	0.29	1.8	1.5	0.62	0.71
	5/16	8	71	15	16	47	12	32	0.33	0.28	0.33	0.28	1.8	1.5	0.59	0.67
	3/8	10	69	15	16	43	12	29	0.32	0.27	0.33	0.28	1.8	1.5	0.56	0.64
	1/2	12	67	15	16	39	11	27	0.32	0.28	0.32	0.28	1.8	1.5	0.53	0.61
Pilkington <b>Energy Advantage™</b> Low-e (coating on #2 surface) outer lite and Pilkington <b>Energy Advantage™</b> Low-e (coating on #4 surface) inner lite <sup>9</sup>																
	3/32	2.5	72	18	19	60	17	47	0.25	0.22	0.26	0.23	1.6	1.4	0.66	0.76
	1/8	3	72	18	19	58	17	46	0.25	0.22	0.26	0.23	1.6	1.3	0.65	0.75
	5/32	4	71	18	19	57	17	44	0.25	0.22	0.26	0.23	1.6	1.3	0.64	0.74
	3/16	5	69	18	19	49	15	33	0.24	0.21	0.26	0.23	1.6	1.3	0.59	0.68
	1/4	6	68	17	18	47	14	29	0.24	0.21	0.26	0.23	1.5	1.3	0.58	0.66
	5/16	8	66	17	18	42	13	26	0.24	0.21	0.26	0.23	1.5	1.3	0.54	0.62
	3/8	10	64	16	17	38	12	23	0.24	0.21	0.26	0.22	1.5	1.3	0.51	0.59
	1/2	12	63	16	18	36	11	24	0.24	0.21	0.26	0.23	1.5	1.3	0.49	0.57

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.

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