

Laminated Monolithic Glass 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**		
				Outside	Inside								
Pilkington OptiView™	1/4	6.8	92	1.7	1.7	70	4	<1	0.68	0.80	4.6	0.77	0.88
Clear Glass (non-laminated)	1/4	6	88	8	8	77	7	63	0.93	1.03	5.7	0.82	0.94
Pilkington OptiView™	5/16	8.8	90	1.7	1.7	67	4	<1	0.67	0.79	4.5	0.75	0.86
Clear Glass (non-laminated)	5/16	8	87	8	8	73	7	57	0.92	1.01	5.6	0.79	0.91
Pilkington OptiView™	1/2	12.8	88	1.7	1.7	62	3	<1	0.66	0.77	4.4	0.71	0.82
Clear Glass (non-laminated)	1/2	12	84	8	8	64	6	49	0.89	0.98	5.5	0.73	0.84

Clear float glass performance based on non-laminated, monolithic glass. (Note - all thicknesses are nominal)

Thickness of laminated glass = thickness of glass layer + thickness of pvb + thickness of glass layer

- 6.8 mm Pilkington **OptiView™** Single Laminated Glass = 3 mm Pilkington **OptiView™** (#1) + 0.8 mm clear pvb layer + 3 mm Pilkington **OptiView™** (#4)
- 8.8 mm Pilkington **OptiView™** Single Laminated Glass = 4 mm Pilkington **OptiView™** (#1) + 0.8 mm clear pvb layer + 4 mm Pilkington **OptiView™** (#4)
- 12.8 mm Pilkington **OptiView™** Single Laminated Glass = 6 mm Pilkington **OptiView™** (#1) + 0.8 mm clear pvb layer + 6 mm Pilkington **OptiView™** (#4)

Double Laminated 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**			
			Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington OptiView™ Outer Lite (Coating on #1 and #2 Surface) and Pilkington OptiView™ Inner Lite (Coating on #3 and #4 Surface)															
1/4	6.8	84	3	3	54	5	<1	0.33	0.30	0.33	0.30	1.9	1.7	0.66	0.76
5/16	8.8	81	3	3	50	5	<1	0.32	0.30	0.32	0.29	1.9	1.7	0.64	0.73
1/2	12.8	77	3	3	43	4	<1	0.32	0.29	0.32	0.29	1.9	1.7	0.59	0.68

An insulating unit consists of two lites of equal glass thickness.

Thickness of Double Laminated Insulating Glass = thickness of Single Laminated Glass layer + air space thickness + thickness of Single Laminated Glass layer

- 26.3 mm Pilkington **OptiView™** Double Laminated Insulating Glass = 6.8 mm Pilkington **OptiView™** Single Laminated Glass + 12.7 mm airspace + 6.8 mm Pilkington **OptiView™** Laminated Single Glass
- 30.3 mm Pilkington **OptiView™** Double Laminated Insulating Glass = 8.8 mm Pilkington **OptiView™** Single Laminated Glass + 12.7 mm airspace + 8.8 mm Pilkington **OptiView™** Laminated Single Glass
- 38.3 mm Pilkington **OptiView™** Double Laminated Insulating Glass = 12.8 mm Pilkington **OptiView™** Single Laminated Glass + 12.7 mm airspace + 12.8 mm Pilkington **OptiView™** Laminated Single Glass

Vacuum Glazing Performance Data

	Thickness (mm)	Visible Light ²		Solar Energy ²		U-Factor ⁵		Solar Heat Gain Coefficient ⁷
		Transmittance ³ %	Reflectance ⁴ %	Transmittance ³ %	Reflectance ⁴ %	Europe (W/sq m K)	U.S. Winter (Btu/hr.sq ft. °F)	
Pilkington Spacia™™*	6.2	76	16	61	15	1.4	0.25	0.66
Pilkington Spacia™™ Cool*	6.2	70	23	46	36	1.0	0.18	0.49
Pilkington Spacia™™ Shizuka*	9.2	73	15	56	13	1.4	0.25	0.61
Pilkington Spacia™™ 21 Thermal Control**	18.2	64	22	47	19	0.9	0.16	0.58
Pilkington Spacia™™ 21 Solar Control**	18.2	59	25	37	27	0.7	0.15	0.46

*Double glazed unit **Triple glazed unit