

## Pilkington Graphite Blue™



Pilkington **Graphite Blue™** is our newest tinted float glass. This unique blue-grey tint provides good light transmittance and solar control, with the possibilities for a truly original architectural design.

For applications that require a surface coating, Pilkington **Solar-E™** Plus Graphite Blue offers excellent solar control with a truly dynamic appearance.

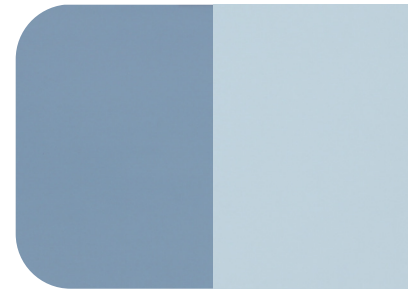
Pilkington **Graphite Blue™** softens bright daylight and reduces glare, making it perfect for applications near computers and video display screens.

### Features & Benefits

- Solar performance, preventing heat entering the building and therefore reducing the need for air-conditioning.
- Unique aesthetics and innovative design possibilities.
- Additional thermal insulation performance when combined in an insulating glass unit with a low-emissivity glass.
- Can be laminated, tempered, bent and enameled using standard techniques.

### Applications

- Low, mid and hi-rise
- Medical/Hospital
- Educational/Schools
- Office/Retail



Pilkington **Solar-E™**  
Plus Graphite Blue

Pilkington  
**Graphite Blue™**

### Monolithic 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>
	in.	mm	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>		
				Outside	Inside								
Pilkington <b>Graphite Blue™</b>													
	1/4	6	61	6	6	54	6	37	0.93	1.02	5.7	0.67	0.77
	5/16	8	54	6	6	46	5	30	0.92	1.01	5.6	0.61	0.70
	3/8	10	47	5	5	39	5	24	0.91	1.00	5.6	0.57	0.65

### 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>
	in.	mm	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>			
				Air	Argon				Air	Argon	Air	Argon				
Pilkington <b>Graphite Blue™</b> outer lite and Pilkington <b>Optifloat™</b> Clear inner lite																
	1/4	6	54	9	13	43	8	29	0.50	0.47	0.47	0.45	2.8	2.6	0.55	0.63
	5/16	8	47	8	13	35	7	23	0.49	0.47	0.47	0.44	2.8	2.6	0.48	0.55
Pilkington <b>Graphite Blue™</b> outer lite and Pilkington <b>Energy Advantage™</b> low-e (coating on #3 surface) inner lite																
	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

An insulating unit consists of two lites of equal glass thickness with a 1/2 in. 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 - <sup>1, 10</sup>.

This publication provides only a general description of the product. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of this product is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington, "Graphite Blue," "Energy Advantage," and "Solar-E" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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