



Reflective Glass  
Pilkington **Reflite™**



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## Pilkington **Reflite™** Reflective Glass

Pilkington **Reflite™** is a pyrolytic on-line coated solar control glass, available in a choice of colours. It combines a low Solar Heat Gain Coefficient with good reflectivity to provide cool and comfortable interior, whilst reducing the need for air-conditioning.

Pilkington **Reflite™** may be used in single glazing applications (with coating on surface #2), as well as in Insulating Glass Units. It can also be laminated, heat strengthened, toughened and curved (or bent).



Pilkington **Reflite™** can be used in a wide range of residential and commercial applications. It should always be handled and processed in accordance with good glass and glazing practices. For details please refer to our Pilkington **Reflite™** Handling and Processing Guidelines.

### Features

- Available in Arctic Blue and Emerald Green colours.
- Can be offered in 5 mm and 6 mm.
- Available in sizes 3210 × 2250 mm and 3302 × 2134 mm.
- Pilkington assured quality with product tested to European Standards EN 1096-2 and EN 410.

### Benefits

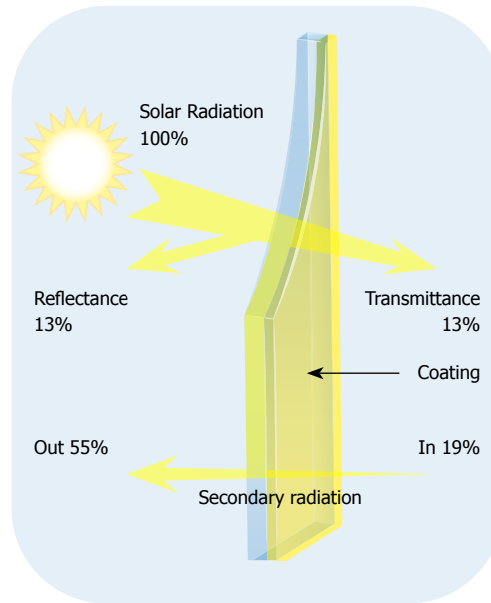
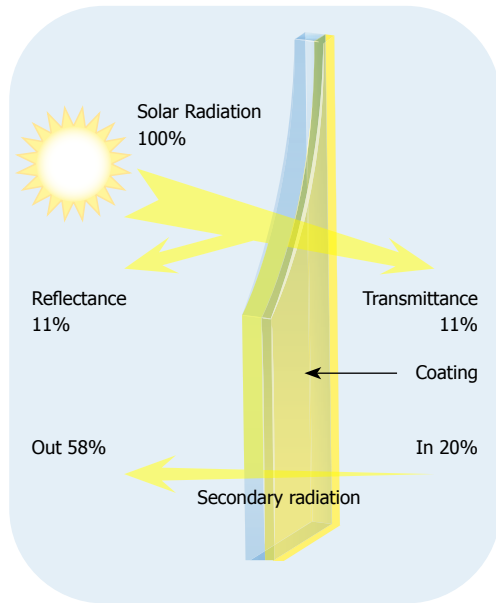
- **Medium solar control performance** – combines high performance tinted glass with good reflectivity, reducing heat entering the building and therefore the need for air-conditioning.
- **Medium reflectivity** – provides privacy whilst still allowing a clear view to the outside.
- **Attractive colours** (Arctic Blue and Emerald Green) – provide a solution for a wide variety of design requirements.
- **Additional thermal insulation performance** – can be combined in an Insulating Glass Unit with a low-emissivity glass such as Pilkington **K Glass™**.
- **Easy to process** – robust on-line coated glass can be laminated, toughened, bent and enamelled using standard techniques.
- **Design flexibility** – can be used in monolithic form or incorporated in Insulating Glass Units.
- **Colour uniformity** – colour stability whether toughened or annealed making it ideal for any applications, whether domestic or commercial.



# Pilkington **Reflite**<sup>™</sup> – monolithic glass performance illustration

Pilkington **Reflite**<sup>™</sup> Emerald Green 6 mm

Pilkington **Reflite**<sup>™</sup> Arctic Blue 6 mm



## Pilkington **Reflite**<sup>™</sup> Performance data

	European Standard (EN 410)							North American Standard				
	Light		Solar Radiant Heat				Total Shading Coefficient	U <sub>g</sub> -Value (W/m <sup>2</sup> K)	Solar Heat Gain Coefficient	Relative Heat Gain (W/m <sup>2</sup> )	Summer U Value (W/m <sup>2</sup> K)	Winter U Value (W/m <sup>2</sup> K)
	Transmittance	Reflectance (external)	Direct Transmittance	Reflectance	Absorptance	Transmittance Total						
Monolithic Glass (6 mm Pilkington <b>Reflite</b> <sup>™</sup> on surface #2)												
Pilkington <b>Reflite</b> <sup>™</sup> Emerald Green	0.20	0.21	0.11	0.11	0.78	0.31	0.36	5.7	0.35	304	5.25	5.81
Pilkington <b>Reflite</b> <sup>™</sup> Arctic Blue	0.16	0.21	0.13	0.13	0.74	0.32	0.37	5.7	0.37	311	5.25	5.81
Insulating Glass Unit (6 mm Pilkington <b>Reflite</b> <sup>™</sup> on surface #2 – 12 mm air gap – 6 mm Pilkington <b>Optifloat</b> <sup>™</sup> Clear)												
Pilkington <b>Reflite</b> <sup>™</sup> Emerald Green	0.19	0.21	0.10	0.11	0.79	0.20	0.23	2.8	0.23	193	2.84	2.70
Pilkington <b>Reflite</b> <sup>™</sup> Arctic Blue	0.15	0.21	0.11	0.13	0.76	0.22	0.25	2.8	0.25	203	2.84	2.70
Insulating Glass Unit (6 mm Pilkington <b>Reflite</b> <sup>™</sup> on surface #2 – 12 mm air gap – 6 mm Pilkington <b>K Glass</b> <sup>™</sup> )												
Pilkington <b>Reflite</b> <sup>™</sup> Emerald Green	0.18	0.21	0.08	0.11	0.81	0.17	0.20	1.9	0.18	148	1.93	1.90
Pilkington <b>Reflite</b> <sup>™</sup> Arctic Blue	0.140	0.21	0.09	0.13	0.78	0.18	0.21	1.9	0.20	159	1.93	1.90

Pilkington **Reflite**<sup>™</sup> has been tested in accordance with EN 1096-2 by Stazione Sperimentale del Vetro (Internationally recognised testing body based in Italy).

European performance data has been determined in accordance with EN 410.

North American performance data has been determined using LBL Windows and Optics programmes with NFRC 100-2001 environmental conditions.