



Pilkington **Reflite™**
Solar Control



Pilkington **Reflite™** – Reflective Glass

Pilkington **Reflite™** is a pyrolytic on-line coated solar control glass. It combines a low Total Solar Heat Transmittance (or Solar Heat Gain Coefficient) with good reflectivity to provide cool and comfortable interiors, 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).



Benefits

- **Medium solar control performance** – good reflectivity, provides solar control reducing the heat entering the building and therefore the need for air-conditioning.
- **Medium reflectivity** – provides privacy whilst still allowing a clear view to the outside.
- **Additional thermal insulation performance** – can be combined in an Insulating Glass Unit with a low emissivity glass such as Pilkington **Optitherm™** S3 or a glass from the Pilkington **K Glass™** range.
- **Easy to process** – robust on-line coated glass can be laminated, toughened, curved 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.
- **Durability** – meets the highest class (Class A) of EN 1096.

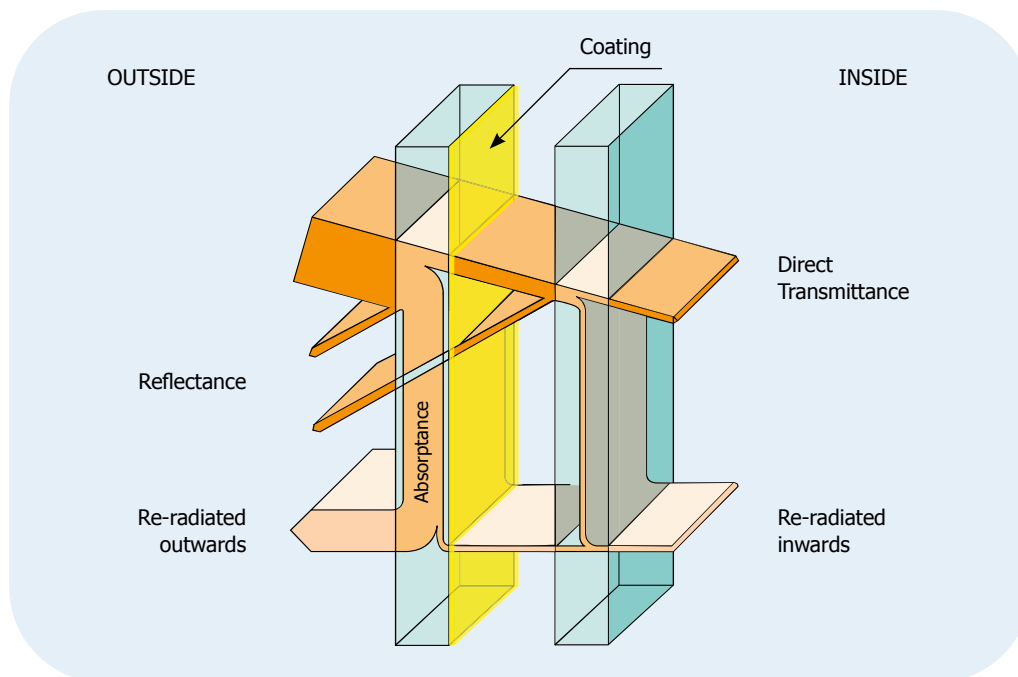
Pilkington **Reflite™** can be used in a wide range of residential and commercial applications. It should always be handled and processed in accordance with good glass and glazing practices. For details please refer to our Pilkington **Reflite™** Handling and Processing guidelines.

Features

- Currently available in Clear, Bronze and Grey tints.
- Can be offered in 4, 5 and 6 mm.
- Available in sizes 3210×2134 mm, 3210×2250 mm and 3210×6000 mm.
- Pilkington assured quality with product tested up to Class A of EN 1096.



Pilkington **Reflite**™ – Insulated Glass unit performance illustration



Pilkington **Reflite**™ Performance data

Inner Pane	Light			Solar Energy				Total Shading Coefficient	Ug -Value (W/m ² K)	
	Transmittance	Reflectance (external)	Reflectance (internal)	Direct	Reflectance	Absorptance	Total		12 mm air	16 mm argon
Monolithic Glass										
6 mm Pilkington Reflite ™ Clear	0.33	0.44	0.51	0.40	0.29	0.31	0.48	0.55	5.7	N/A
6 mm Pilkington Reflite ™ Bronze	0.18	0.18	0.52	0.25	0.14	0.61	0.39	0.45	5.7	N/A
6 mm Pilkington Reflite ™ Grey	0.17	0.14	0.48	0.25	0.12	0.63	0.40	0.46	5.7	N/A
Insulating Glass Unit with 6 mm Pilkington Reflite ™ Clear outer pane										
6 mm Pilkington Optifloat ™ Clear	0.30	0.45	0.50	0.32	0.30	0.38	0.40	0.46	2.8	2.6
6 mm Pilkington K Glass ™	0.28	0.45	0.47	0.27	0.32	0.41	0.37	0.43	1.9	1.5
6 mm Pilkington Optitherm ™ S3	0.29	0.45	0.46	0.22	0.38	0.40	0.29	0.33	1.6	1.1
Insulating Glass Unit with 6 mm Pilkington Reflite ™ Bronze outer pane										
6 mm Pilkington Optifloat ™ Clear	0.16	0.18	0.51	0.20	0.14	0.66	0.29	0.33	2.8	2.6
6 mm Pilkington K Glass ™	0.15	0.18	0.48	0.16	0.15	0.69	0.26	0.30	1.9	1.5
6 mm Pilkington Optitherm ™ S3	0.16	0.18	0.47	0.13	0.18	0.69	0.20	0.23	1.6	1.1
Insulating Glass Unit with 6 mm Pilkington Reflite ™ Grey outer pane										
6 mm Pilkington Optifloat ™ Clear	0.16	0.14	0.47	0.20	0.12	0.68	0.30	0.34	2.8	2.6
6 mm Pilkington K Glass ™	0.15	0.15	0.44	0.17	0.13	0.70	0.26	0.30	1.9	1.5
6 mm Pilkington Optitherm ™ S3	0.16	0.14	0.44	0.13	0.16	0.71	0.20	0.23	1.6	1.1

All performance data determined in accordance with EN 410 and EN 673.

Pilkington **Reflite**™ coating on surface 2 in all cases.

Argon gas based on 90% fill.

As with other solar control glass, a thermal safety check should be undertaken to assess the risk of thermal breakage in annealed form.

In such cases, Pilkington **Reflite**™ can be toughened or heat-strengthened.

For further performance data on other thicknesses visit spectrum on line at www.pilkington.co.uk/spectrum

Packaging

Available in sizes 3210×2134 mm (Closed Top),

3210×2250 mm (Open Top In Gauge) and

3210×6000 mm (Jumbo).

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, code 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.



CE marking confirms that a product complies with its relevant harmonised European Norm.
The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



Pilkington United Kingdom Limited

Prescot Road – St Helens
WA10 3TT United Kingdom
pilkington@respond.uk.com
www.pilkington.co.uk