



Pilkington **Optitherm™** Range

Pilkington **Optitherm™** S3

Pilkington **Optitherm™** S1 Plus





Pilkington **Optitherm**™ Range

Energy saving is becoming increasingly important and is one of the intensely debated topics of our time. Pilkington **Optitherm**™ is a range of high performance, off-line coated low-e glass products specially developed for use in Insulating Glass Units (IGUs) to help with energy saving. They are optimised for thermal insulation having ultra low U_g values.

Pilkington **Optitherm**™ is a range of market-leading super neutral low-e glass products. High light transmittance and low light reflectance make them ideal for large glazing areas with demanding design requirements. All products in our range are off-line coated and available in annealed, toughened and laminated form. They can also be combined with other products from our range to provide additional benefits such as safety, security, noise control, self-cleaning and solar control.



Pilkington **Optitherm**™ S3

As well as having an impressive U_g -value of $1.1 \text{ W/m}^2\text{K}$ in an IGU, Pilkington **Optitherm**™ S3 offers very high light transmittance (80%) and low light reflectance (12%) to reduce energy consumption, even in the most aesthetically demanding environment. It is ideal for use in both domestic and commercial applications.

For areas where impact safety is a requirement, we offer Pilkington **Optitherm**™ S3 Pro T which should be toughened and is colour matched to Pilkington **Optitherm**™ S3 after toughening.

Pilkington **Optitherm™** S1 Plus

Pilkington **Optitherm™** S1 Plus is the latest in our range offering ultra low emissivity and achieving a U_g -value of only $1.0 \text{ W/m}^2\text{K}$ when incorporated in a double glazed IGU.

Pilkington **Optitherm™** S1 Plus is a single stock, low-e product and as such has the same performance in both annealed and toughened format. Pilkington **Optitherm™** S1 Plus can also be supplied in laminated form. It combines superior light transmittance with a highly

neutral colour and is the ultimate in thermal insulation.

Pilkington **Optitherm™** S1 Plus can contribute significantly in the reduction of energy losses and hence heating costs due to its incredibly low U_g value. It also increases interior comfort by reducing draughts in window areas, ensuring even heat distribution throughout the room and should be specified for any situation where excessive heat loss is a concern.



Benefits and Features

- Ultra low U_g -values of 1.0 and $1.1 \text{ W/m}^2\text{K}$ in a double glazed IGU, in accordance with EN 673;
- U_g values as low as 0.5 in triple IGUs;
- Energy efficient way to reduce heating bills and environmental impact through reduced CO_2 emissions;
- Highly neutral appearance in transmission and reflection;
- Suitable for both domestic and commercial applications including refurbishment and new build;
- Available in a range of sizes and thicknesses for various applications;
- Available in combination with Pilkington **Optilam™** and Pilkington **Optiphon™** for impact resistance, increased security or improved noise reduction.

This publication provides only a general description of the products. 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 these products 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 and "Optitherm", "Insulight", "Optifloat", "Optiwhite", "Optilam", "Optiphon" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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 Ltd

European Technical Centre
Hall Lane, Lathom, Nr. Ormskirk, Lancs L40 5UF United Kingdom
pilkington@respond.uk.com
www.pilkington.co.uk