



Pilkington **Optitherm™** S4 Range – excellent thermal insulation for use in annealed, toughened and laminated forms

The range combines good thermal insulation with excellent neutrality. It can be supplied in toughened or laminated form for safety and security applications and has an outstanding U value of just 1.2 W/m²K, also providing very high light transmittance and low reflectance to give a neutral appearance. So you can create aesthetically pleasing environments using less energy.



Pilkington **Optitherm™ S4 Pro T**
Pilkington **Optitherm™ S4 T**
Pilkington **Optilam™ Therm S4**

Low energy consumption with a highly neutral appearance.

The values quoted are based on an insulating glass unit with 4mm Pilkington Optifloat™ Clear outer pane, argon (gas-filled) cavity and an inner pane of 4mm Pilkington Optitherm™ S4 .		4/16/4
Light	Transmittance	79%
	Reflectance	12%
Solar Radiant Heat	Direct Transmittance	56%
	Reflectance	21%
	Absorptance	23%
	Total Transmittance	66%
Shading Coefficient	Total	0.76
U value (W/m²K)	16mm	1.2

Performance data determined in accordance with EN410 and EN673. U Values based on 90% argon gas-fill.



Benefits

- High light transmittance of 79%
- Low reflectance of 12%
- Neutral appearance in transmission and reflectance
- Excellent thermal insulation – U value of just 1.2 W/m²K
- Reduced energy consumption
- 6 month shelf-life
- Available in three versions as follows:
 - 4mm and 6mm Pilkington **Optitherm™ S4 Pro T** Stock that can be used as annealed or toughened.
 - 4mm and 6mm Pilkington **Optitherm™ S4 T** cut to size toughened product for immediate incorporation into an insulating glass unit.
 - 6.4mm Pilkington **Optilam™ Therm S4** laminated glass.

Pilkington **Optitherm™ S4** in annealed or toughened forms maintains a similar appearance within the tolerances set out in EN 1096.

The strength, appearance and characteristics of Pilkington **Optitherm™ S4** are dependent upon a thermal toughening process, prior to application.

*This publication gives a general description of the product and materials. It is the responsibility of the users of this document to ensure that the proposed application of the product is appropriate and that such application complies with all relevant local and national legislation, standards, codes of practice and other requirements. To the extent allowed by law Pilkington United Kingdom Limited hereby disclaims all liability howsoever arising from any error in or omission from this publication and all the consequences of relying on it. Pilkington **Optitherm™ S4 Pro T**, Pilkington **Optitherm™ S4 T**, Pilkington **Optilam™ Therm S4** and Pilkington **Optifloat™** are trademarks of the Pilkington Group.*



PILKINGTON
NSG Group Flat Glass Business

Prescot Road St Helens WA10 3TT United Kingdom
Telephone 01744 692000 Fax 01744 692880
E-mail: pilkington@respond.uk.com
www.pilkington.co.uk