



Pilkington **Optitherm™** S4 Plus 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. It provides very high light transmittance and low reflectance to give a neutral appearance, so you can create aesthetically pleasing environments using less energy.



PILKINGTON
NSG Group Flat Glass Business

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

Low energy consumption with a highly neutral appearance.

	Light		Solar Radiant Heat				Shading coefficient			U-value (W/m²K)	
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmission	Short Wavelength	Long Wavelength	Total	Air-filled	Argon-filled
Pilkington Insulight™ with 4 mm Pilkington Optitherm™ S4 Plus inner pane and 16 mm argon filled cavity and outer pane as indicated											
Pilkington Optifloat™ Clear											
4 mm	0.79	0.12	0.59	0.19	0.22	0.69	0.68	0.11	0.79	1.4	1.2
Pilkington Optiwhite™											
4 mm	0.81	0.12	0.63	0.22	0.15	0.74	0.73	0.12	0.85	1.4	1.2

The above performance data has been determined in accordance with EN 410 and EN 673.

The U-value for gas-filled Insulating Glass Units has been 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:
 - 4 mm and 6 mm Pilkington **Optitherm™ S4 Plus Pro T** Stock that can be used as annealed or toughened.
 - 4 mm and 6 mm Pilkington **Optitherm™ S4 Plus T** cut to size toughened product for immediate incorporation into an Insulating Glass Unit.
 - 6.4 mm Pilkington **Optilam™ Therm S4 Plus** laminated glass.

Pilkington **Optitherm™ S4 Plus** 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 Plus** are dependent upon a thermal toughening process, prior to application.

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