

Pilkington **Suncool™** One 60/40

Solar control glazing for conservatories,
bi-fold doors and large glazed areas

Overview

Pilkington **Suncool™** One 60/40 provides year-round comfort in conservatories and large areas of glazing. Technically speaking it is an off-line coated mid-range solar control glass. In practice that means it provides excellent solar protection and thermal insulation; while its high light transmittance means that, just like the temperature, the view is perfect all year round.

How it works

In the warmer months, Pilkington **Suncool™** One 60/40 reflects the sun's heat, helping to maintain a cooler temperature. This makes it particularly suited to glazing that faces South or West, as this receives the most solar heat. When winter arrives, the high thermal insulation helps to keep rooms warmer with a U_g -value of only $1.0 \text{ W/m}^2\text{K}$. As well as excellent solar control Pilkington **Suncool™** One 60/40 offers a low internal reflection, reduced glare, and it helps to protect furnishings from harmful UV.

Manufacturing features

Pilkington **Suncool™** One 60/40 provides the flexibility and convenience that glass processors favour. It is available in Jumbo $6000 \times 3210 \text{ mm}$ and LES $3210 \times 2550 \text{ mm}$ sizes, as well as 4 mm and 6 mm thicknesses. It requires no special handling, can be used in annealed or toughened formats and UK manufacture means shorter lead-times. Adding excellent durability makes it an attractive solution.





At a glance

Benefits

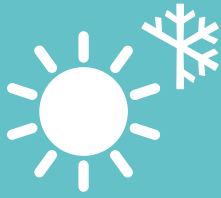
- Suitable for conservatory side frame glass or large expanses of glazing
- Low internal reflection – improving the external view
- Manufactured in the UK ensures shorter lead-time
- Easy to handle and process using standard techniques
- A durable off-line coated product
- Single stock – can be used in annealed or toughened versions
- Available in a range of sizes to suit customer requirements
 - LES 3210 × 2550 mm
 - Jumbo 6000 × 3210 mm
- Available in 4 & 6 mm

Applications

- Conservatory side walls
- Bi-folding doors
- Glass extensions
- Large areas of glazing e.g. Glass walls

Speak to your dedicated Sales Advisor or visit www.pilkington.co.uk/suncool to find out more about Pilkington **Suncool™** One 60/40 and other products in our Solar Control range.

Benefits



U_g-value **1.0**

Keeps homes warm when the weather is cold



Internal reflection **14%**

Low internal reflection, improving the view of your garden

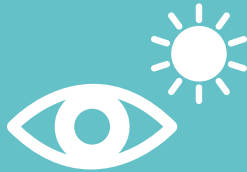


Solar heat rejection **57%**

Keeps homes cool when it's warm outside

UV blocking **72%**

Blocks UV from the sun, protecting furniture*



Visible light transmission **62%**

Optimal light transmittance allows as much light in as possible

Pilkington Suncool™ One 60/40 Performance Data

Outer pane	Light		Solar Radiant Heat				U _g -value (W/m ² K) Argon 90%	Performance inc. acoustic Light Transmittance g-value (R _w)
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		
Double Insulating Glass Unit Construction (Outer pane – 16 mm 90% argon filled cavity and 4 mm Pilkington Optifloat™ Clear inner pane)								
4 mm Pilkington Suncool™ One 60/40	0.62	0.23	0.40	0.37	0.23	0.43	1.0	62/43 (31 dB)
Double Insulating Glass Unit Construction (Outer pane – 16 mm 90% argon filled cavity and 6 mm Pilkington Optifloat™ Clear inner pane)								
6 mm Pilkington Suncool™ One 60/40	0.60	0.23	0.38	0.34	0.28	0.42	1.0	60/42 (31 dB)

Performance data determined in accordance with EN 410 and EN 673
Pilkington **Suncool™** One 60/40 coating on surface 2

For Handling & Processing Guidelines visit www.pilkington.co.uk/suncoolone

* Note. Fading of materials is a complex phenomenon and can be influenced by factors other than UV radiation.



Image courtesy of Tsiantar Architects Ltd.

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UK CA Marking confirms that a product meets the requirements of its relevant UK-designated standard and can be placed on the market in Great Britain. The UK CA Marking Declaration of Performance for each product can be found at www.pilkington.com/ukca



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