



## Pilkington **Suncool™** 70/35

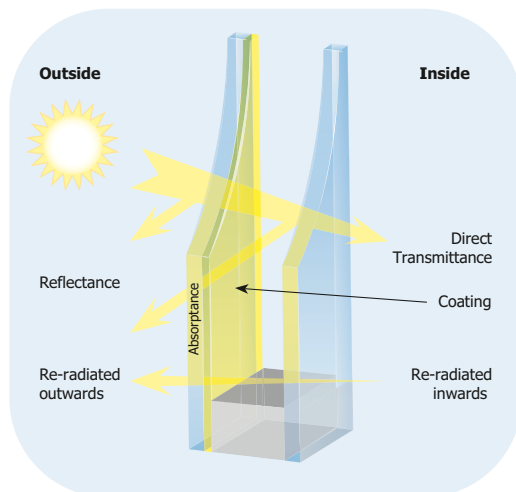
Solar control glazing suitable for new build  
and all aspects of the modern home

## Overview

Pilkington **Suncool™** 70/35 provides year-round comfort in the modern home. It is a solar control glass providing excellent protection from heat gain with a good level of thermal insulation and a high natural light transmittance.

### How it works

In the warmer months, Pilkington **Suncool™** 70/35 reflects the sun's heat, helping to maintain a cooler internal temperature. This makes it particularly suited to glazing that faces East, South or West, as this receives the most solar heat. When winter arrives, the thermal insulation properties help 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™** 70/35 reduces glare, and it helps to protect furnishings from harmful UV.







## At a glance

### Benefits

- A durable neutral high performance solar control product
- Excellent light/heat ratio allowing more natural light to enter the home
- Suitable for new build and all aspects of glazing in the modern home or large expanses of glazing
- Will help 'future-proof' windows and doors to meet the proposed new building regulations for overheating in new dwellings in both England and Wales from 2022
- Supplied in toughened form, therefore can be used in critical locations where safety glass is required
- Available through your local Pilkington **Suncool™** processor
- Available in 6, 8 and 10 mm
- Available in a range of sizes to suit customer requirements
  - Jumbo 6000 × 3210 mm
  - LES 3210 × 2550 mm (6 mm only)

### Applications

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

### New Dwellings

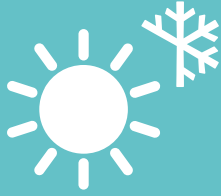
Pilkington **Suncool™** 70/35 will help 'future-proof' windows and doors to meet proposed requirements of new building regulations for overheating in new dwellings in both England and Wales from 2022. New building regulations come into force from 2022 in both England and Wales are likely to increase the use of solar control glass such as Pilkington **Suncool™** 70/35 in new residential buildings.

### Replacement Windows

Pilkington **Suncool™** 70/35 can help windows and doors to meet the  $U_g$  value requirements for replacements and extensions.

For further information visit  
[www.pilkington.co.uk/suncool](http://www.pilkington.co.uk/suncool)  
or email [enquiries@pilkington.com](mailto:enquiries@pilkington.com)

## Benefits



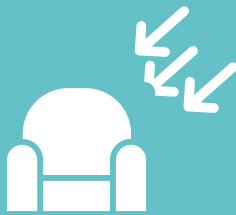
U<sub>g</sub>-value **1.0**

Keeps homes warm when the weather is cold



Solar heat rejection **63%**

Keeps homes cool when it's warm outside



UV blocking **89%**

Blocks UV from the sun, protecting furniture\*



Visible light transmission **71%**

Optimal light transmittance allows as much light in as possible

## Pilkington Suncool™ 70/35 Performance Data

Outer pane	Light			Solar Radiant Heat				Total Shading Coefficient	U <sub>g</sub> -value (W/m <sup>2</sup> K)
	Transmittance	Reflectance (external)	Reflectance (internal)	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		
Double Insulating Glass Unit (Outer pane – 16 mm 90% argon gas-filled cavity and 4 mm Pilkington <b>Optifloat™</b> Clear inner pane)									
6 mm Pilkington <b>Suncool™</b> 70/35 T	0.71	0.16	0.17	0.35	0.35	0.30	0.37	0.43	1.0
Double Insulating Glass Unit (Outer pane – 16 mm 90% argon gas-filled cavity and 6 mm Pilkington <b>Optifloat™</b> Clear inner pane)									
6 mm Pilkington <b>Suncool™</b> 70/35 T	0.70	0.16	0.17	0.34	0.35	0.31	0.37	0.43	1.0

Performance data determined in accordance with EN 410 and EN 673  
Pilkington **Suncool™** 70/35 coating on surface 2

For Handling & Processing Guidelines visit [www.pilkington.co.uk/suncool](http://www.pilkington.co.uk/suncool)

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





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, "Suncool" and "Optifloat" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.

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CE marking confirms that a product complies with its relevant harmonised European Norm.

The Declaration of Performance for each product, including declared values, can be found at [www.pilkington.com/CE](http://www.pilkington.com/CE)



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