



Pilkington **Suncool™** 70/35

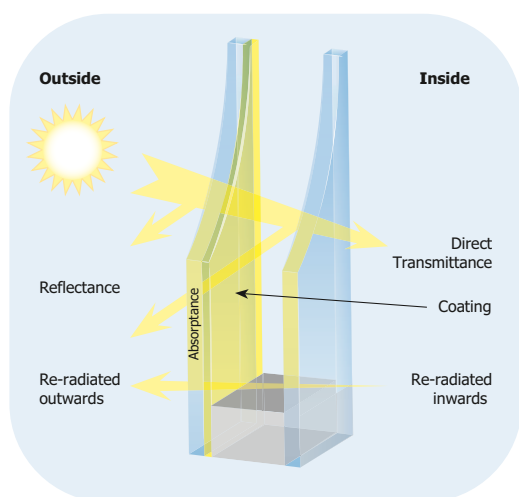
Solar control glazing suitable for new build
and all aspects of the modern home

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 $1.0 \text{ W/m}^2\text{K}$ for a double glazed unit (DGU). 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
- Can help new dwellings meet the requirements of Part O of the building regulations for overheating in both England and Wales
- 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 4 and 6 mm in LES 3210 × 2550 mm
- Additional glass thickness and sizes available upon request

Applications

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

New Dwellings

Pilkington **Suncool™** 70/35 can help new dwellings meet the requirements of Part O of the building regulations for overheating in both England and Wales. New building regulations for new residential buildings came into force in June 2022 in both England and Wales, one of the solutions for which is the use of solar control glass such as Pilkington **Suncool™** 70/35.

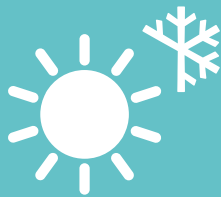
Replacement Windows

Pilkington **Suncool™** 70/35 can help windows and doors to meet the U value requirements in Approved Document L for replacements and extensions.

For further information visit
www.pilkington.co.uk/suncool
or email enquiries@pilkington.com

Benefits

DGU comprising 4 mm Pilkington **Suncool™** 70/35 T outer pane –
16 mm 90% argon gas-filled cavity – 4 mm Pilkington **Optifloat™** Clear inner pane



U_g-value **1.0**

Keeps homes warm when
the weather is cold



Solar heat rejection **62%**

Keeps homes cool when
it's warm outside



UV blocking **87%**

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 _g -value (W/m²K)
	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 – 4 mm Pilkington Optifloat™ Clear inner pane)									
4 mm Pilkington Suncool™ 70/35 T	0.71	0.16	0.17	0.36	0.38	0.26	0.38	0.44	1.0
Double Insulating Glass Unit (Outer pane – 16 mm 90% argon gas-filled cavity and 6 mm Pilkington Optifloat™ Clear inner pane)									
6 mm Pilkington Suncool™ 70/35 T	0.70	0.16	0.17	0.34	0.35	0.31	0.37	0.43	1.0
Triple Insulating Glass Unit (Outer pane – 16 mm 90% argon gas-filled cavity – 4 mm Pilkington K Glass™ S Toughened – 16 mm 90% argon gas-filled cavity – 6.8 mm Pilkington Optilam™ inner pane)									
4 mm Pilkington Suncool™ 70/35 T	0.65	0.19	0.19	0.30	0.39	0.31	0.34	0.39	0.6

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

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



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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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