



# Lifeglass<sup>®</sup>

Residential Solutions



PILKINGTON



## About Pilkington

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Pilkington is a global manufacturer of float glass and a variety of glass products founded in the United Kingdom in 1826. The company is renowned for leading technological developments, including invention of the float glass process that became a global standard in the glass-making industry. Other inventions include hard-coated glass and a number of developments for the automotive industry.

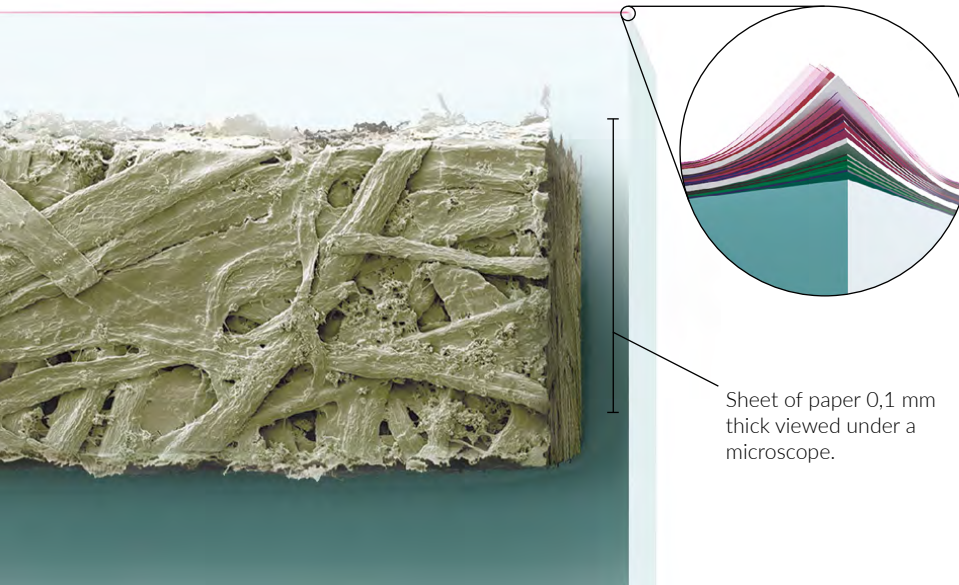
Pilkington has production sites in 40 countries across the globe. The 49th Pilkington glass factory was launched in Russia in 2006. Pilkington glass is widely used in architecture, optics and automotive business. In 2016 Pilkington started production of a new range of all-season glass for private houses and residential construction.



## Lifeglass®

Series of Lifeglass® products has been developed at the Pilkington glass factory in Russia using a revolutionary Double Silver technology. A unique plasma coating including two extremely thin silver layers is applied to the float glass.

Due to the Double Silver coating technology Lifeglass® has an outstanding combination of performance values regarding light transmission, heat insulation, and solar control properties.



Lifeglass® coating consists of 15 functional layers. Total thickness of the coating is 1000 times less than a sheet of paper.

Sheet of paper 0,1 mm thick viewed under a microscope.

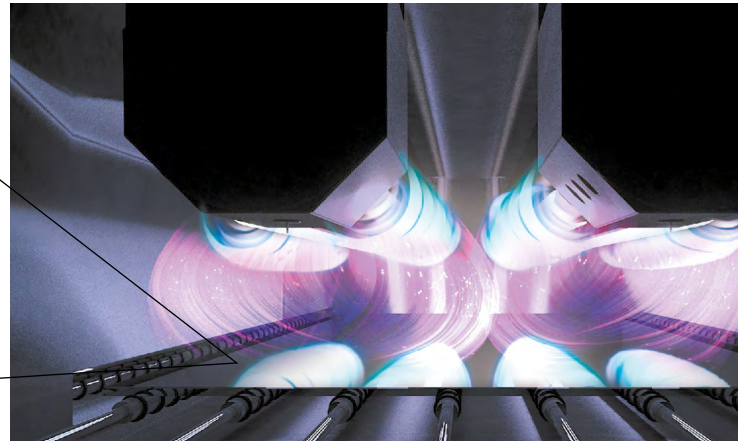
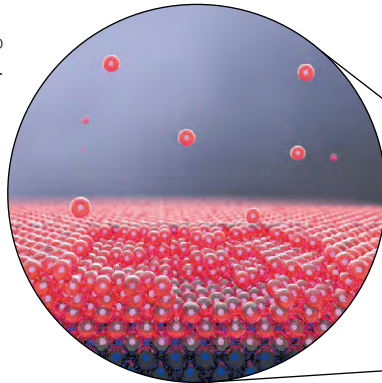


An original hologram on every window will help you make sure you got an authentic product with Double Silver technology.

Pilkington is using a state-of-the-art magnetron to apply a nano-coating to the glass. It contains a number of vacuum chambers used for deposition of extremely thin layers of various materials.

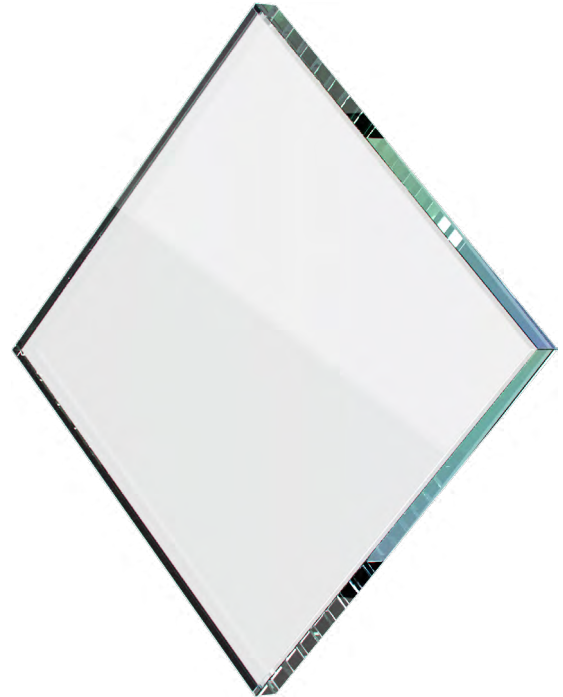


Atoms of metal fit into the surface structure.



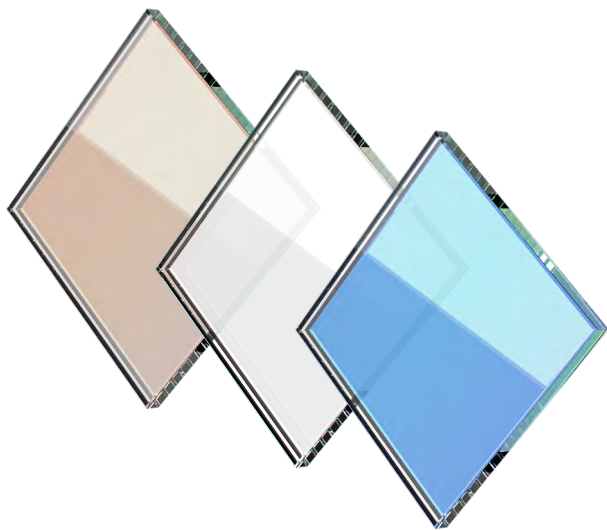
## Lifeglass® range

The flagship Lifeglass® product is Lifeglass® Clear – the glass which has a high light transmission, effectively prevents heat loss, provides sun heat control, and reduces electricity expenses. It is an appealing European-style glass solution for villas and countryside houses. Best glass for windows with muntins.





Lifeglass® Bronze, Silver and Blue are alternatives with attractive bronze, silver and blue tints respectively. This glass is featuring high light transmission and has completely neutral appearance from inside.



## Lifeglass® window solutions



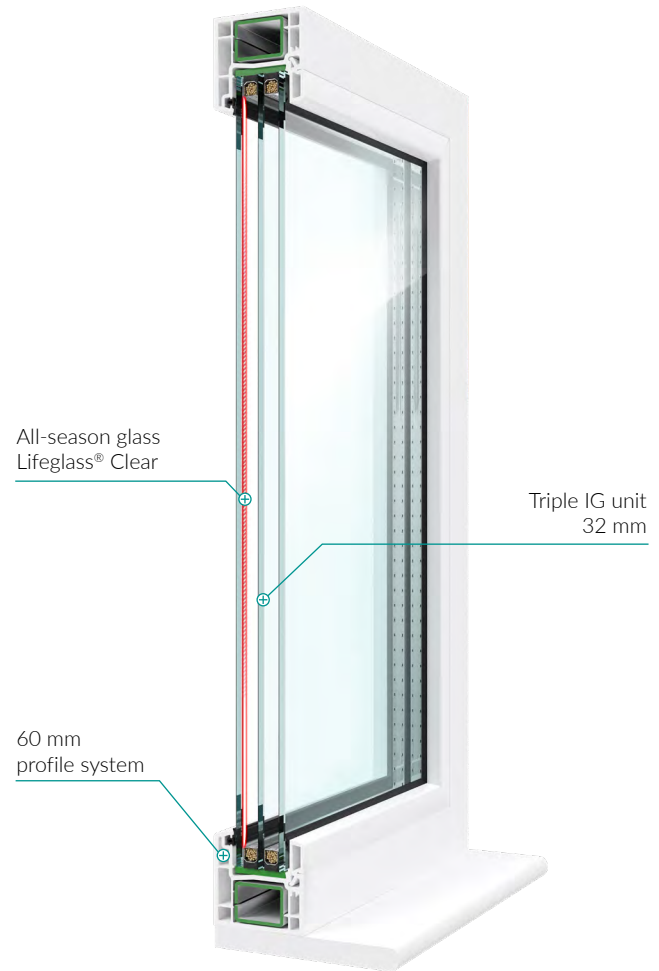
Lifeglass® 3



Lifeglass® 3 window keeps warmth inside in winter, keeps your house cool in summer, lets in maximum natural light, and significantly reduces expenses on electricity. The most amazing fact is that it is still a budget window solution.

- + Keeps heat inside in winter
- + Keeps house cool in summer
- + Lets in maximum light
- + Reduces expenses on electricity

Lifeglass® 3 – a new standard of a common window.





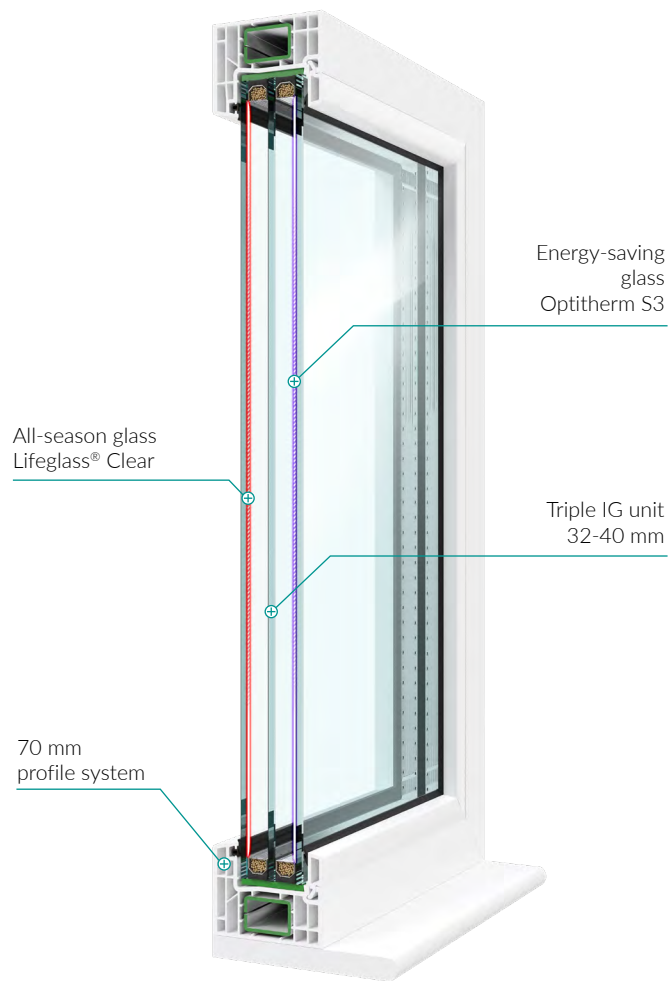
Lifeglass® 4



Lifeglass® 4 window retains all useful qualities of Lifeglass® 3 solution and lets in the same amount of light, however it is warmer by 25%. At the same time, Lifeglass® 4 window effectively blocks up to 85% of harmful sun radiation and protects clothes and furniture from discolouration.

- + Keeps heat inside in winter
- + Keeps house cool in summer
- + Lets in maximum light
- + Reduces expenses on electricity
- + Protects from harmful sun radiation
- + Protects furniture and clothes from discolouration

Lifeglass® 4 – best window for comfortable life.



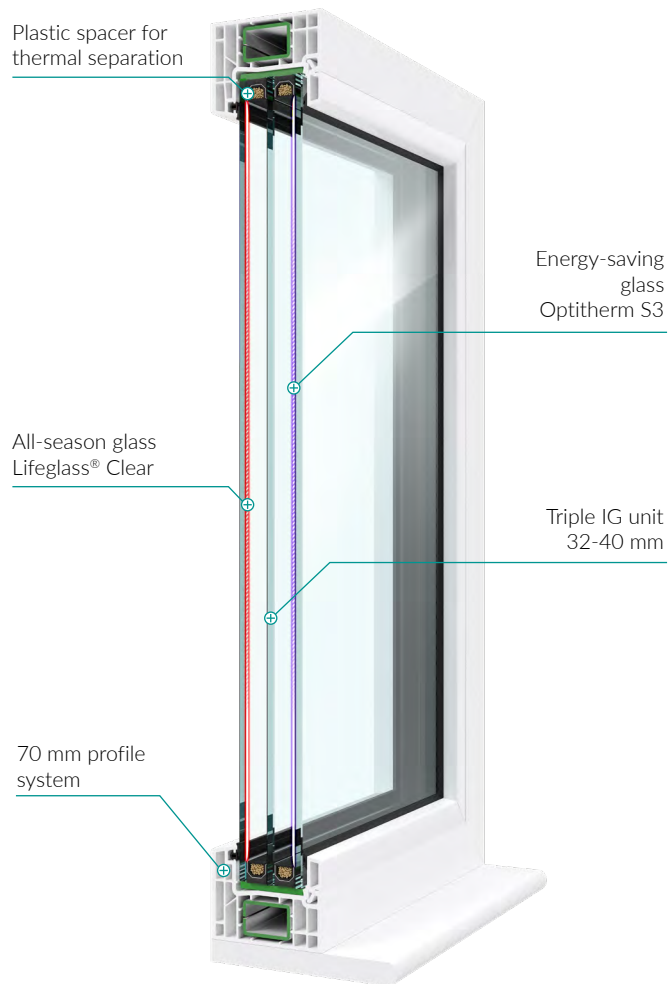




Lifeglass® 5 window with a plastic thermal separation spacer does not mist over at the edges and does not cover with frost. It is an amazing window solution matching stringent European standards for Passive House.

- + Keeps heat inside in winter
- + Keeps house cool in summer
- + Lets in maximum light
- + Reduces expenses on electricity
- + Protects from harmful sun radiation
- + Protects furniture and clothes from discolouration
- + Does not mist over or cover with frost

Lifeglass® 5 – achievable window ideal.



This is to inform that Pilkington Glass LLC, as a producer of float glass and glass with LowE and high selective coatings, is responsible for the quality of the produced glass only.

Pilkington Glass LLC does not process glass and does not produce IG units and therefore is not responsible for the quality and performance of any fabricated products, such as IG units and windows.

All performance calculations are for assessment purposes only, and intended to give approximate values of products of further processing.

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