

## Pilkington Spacia™

### Frequently Asked Questions

1. How does the performance of the product compare with other Pilkington low-e products?
  - A. Pilkington **Spacia™** is far from a compromise on performance. Just compare the figures in this table, which shows that it is four times more thermally efficient than single glazing.

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Product	Actual thickness (mm)	Light Transmittance	Reflectance	Centre Pane U-value (U <sub>g</sub> W/m <sup>2</sup> K)	Solar		Total Solar Heat Transmittance (g value)
					Direct Transmittance	Reflectance	
6 mm Pilkington Spacia™	6.5 ± 0.1	0.78	0.13	1.4	0.62	0.17	0.67
Traditional Glazing options							
4 mm Pilkington Optifloat™	4 mm ± 0.2	0.9	0.8	5.8	0.85	0.08	0.87
4 mm Pilkington Optifloat™ / 16 mm air / 4 mm Pilkington K Glass™	24 mm	0.75	0.18	1.7	0.62	0.16	0.74

Max size: 2,400 mm x 1,350 mm Min size: 350 mm x 200 mm. Sandblast max size: 1800 x 1200 mm.

The above table is determined in accordance with EN410 and EN673.

2. Can it be used to comply with current building regulation contained in document L?
  - A. Yes, new build windows – as part of a SAP calculation, Pilkington **Spacia™** in an appropriate frame can meet or improve upon the limit window U value or 2.0 W/m<sup>2</sup> K. Pilkington **Spacia™** can also be used for replacement windows that have a WER (Window Energy Rating) of band C or above or a window U value of at worst 1.6 W/m<sup>2</sup> K. Certain buildings that are restricted in their glazing options that have special consideration in Part L can benefit from using Pilkington **Spacia™** where traditional glazing is inappropriate and single glazing does not provide the thermal comfort of a modern home.
  
3. Can it be used to comply with building regulation document N - low level glazing?
  - A. Pilkington **Spacia™** is not an impact resistant glass classified to BS EN 12600. It can however have a film applied via our network of partners or modified on site to achieve the required classification.
  
4. What will it cost?
  - A. The price (£) is on application with a minimum area charge 0.3m<sup>2</sup> per pane. For orders above 4m<sup>2</sup>, and as an approximate guide the cost will fall between **£200 - £350m<sup>2</sup>** depending upon volume, sizes and quantities.

*Note - the smaller the order the more expensive the glass per m2, as small orders attract a disproportionate level of transport costs.*

5. How long does it take from placing an order to delivery?
  - A. The standard lead time is 8-10 weeks; a 2-3 week delivery is available via air freight but this does obviously increase the cost considerably.
6. Tell me about the air extraction point.
  - A. Pilkington **Spacia™** uses vacuum technology and the point at which air is removed is covered by a small cap on every unit. The black protection cap is 12mm diameter and set 50mm in from two edges of the glass and should not be removed. The cap is not intrusive and tends not to be noticed once glazed.
7. How do you stop the 2 panes of glass touching each other?
  - A. There is a grid of micro spacers within the unit keeping the glass surfaces apart. They are 0.5mm diameter and 20mm apart, when view in transmission at a distance of 1-2 meters they become imperceptible.
8. Is there an obscure version?
  - A. Yes there is a sandblasted version, with the obscure face to the cavity. The maximum size is 1800 x 1200, and currently the same price as the clear version.
9. Can you see the spacer bar?
  - A. Pilkington **Spacia™** vacuum glazing doesn't use spacer bar technology, and therefore can be easily glazed in to steel, wood and secondary glazing window systems, both new or old with the same visual appearance as single glazing.
10. Does the product come with a warranty?
  - A. Yes, the standard warranty is 10 years.
11. Can Pilkington **Spacia™** be putty glazed?
  - A. Yes, it is compatible with most glazing compounds with the exception of those containing Acetic Acid.
12. Are there glazing guidelines?
  - A. Yes, they can be downloaded from our web site [www.pilkington.co.uk/spacia](http://www.pilkington.co.uk/spacia). Pilkington **Spacia™** at 6.5 mm is slimmer than conventional units which means there are more glazing options and opportunities.
13. Can I see a sample?
  - A. Samples of this product are in great demand and they are valuable. You can call our office on 01744 692000 or email [pilkington@respond.uk.com](mailto:pilkington@respond.uk.com) where we will put you in touch with your nearest Pilkington **Spacia™** partner, all of whom have samples.

14. Can it be made to any size or shape?

A. Many shapes can be produced, but to do so two straight edges forming a right angle are required. Please see the example below.

The size limits are:

Maximum 1350 x 2400 mm Clear

Maximum 1200 x 1800 mm Sandblasted

Minimum 200 x 350 mm

