

SMARTGLASS®-W

For Side Frames, Patio and Bi-folding Doors



NEW



SMARTGLASS®-W is a revolutionary range of technically advanced glass specifically designed for conservatory doors and windows. Ask for it by name.

As we all know, most glass units in domestic dwellings are primarily designed to retain heat in the winter. However, as a secondary function and in order to help reduce the load on our heating systems, they are also specifically designed to allow as much free solar energy *into* the building as possible. That's great in a window, but because of the large glazing areas in bi-folding doors and conservatory walls, and the strong heating effect of the summer sun, the wall glass needs to do the exact opposite of this. Yet whilst most offer a high performance roof, many installers still use standard or 'A rated' products in the walls which are inappropriate

for the job, letting too much of the sun's heat in and leading to overheating in summer.

SMARTGLASS®-W is a revolutionary range of glass products, designed and dedicated for use in a conservatory, or other large glazed areas such as bifolding doors. It blocks out over 50% of the summer sun's radiant heat, whilst being 20% better than A rated glazing at retaining warmth in the winter. Our three tier structure includes other key features such as increased security, better acoustics and almost total blocking of damaging UV light.

Technical Specifications

The table below highlights the key performance characteristics of the full SMARTGLASS®-W range.

Product	Argon filled Low E	Warm edge	Solar control	Anti Fade	Enhanced Acoustic	Enhanced Security	Self Clean
SMARTGLASS®-W Ultimate	✓	✓	✓	✓	✓	✓	✓
SMARTGLASS®-W Plus+	✓	✓	✓	✓	✓	✓	
SMARTGLASS®-W	✓	✓	✓				

The SMARTGLASS®-W range comes in a variety of specifications, with all variants featuring Low E and solar control glass, warm edge spacer and argon gas filling – AS STANDARD. Our mid range Plus+ product adds enhanced protection from break-in or accidental damage and enhanced

acoustic control, as well as almost complete protection for furnishings from the damaging effects of UV light. Our SMARTGLASS®-W Ultimate package adds the same self cleaning technology we use in all of our roofs, ensuring your wall panels stay cleaner, for longer.

SMARTGLASS® Roof Products



SMARTGLASS® - Proven Performance



SMARTGLASS® Plus+ - Enhanced Performance



SMARTGLASS® Ultimate - A Technological Benchmark

SMARTGLASS® represents the UK's most advanced range of dedicated glass for conservatory doors, windows and roofs. We're an industry leader

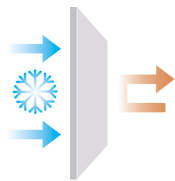
and innovatory and that's why we've been the first company in Europe to launch a dedicated range of glass for conservatory wall glazing.

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SMARTGLASS®-W Key features



Cuts Heat Loss

U-Value
1.0

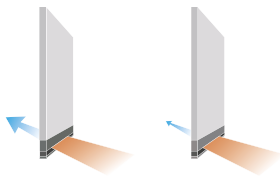
U-Value - Measures heat loss through the glass unit in winter months. The lower the U-Value, the warmer in winter the room will be and with a 1.0 W/m²K (superscript 2) U-Value, this is almost 3 times better than a standard clear unit and 20% better than the UK's best selling low E glass.



Reduces Heat Gain

Solar Control
Yes

Solar Control - Helps reduce the build up of heat in the summer months, SMARTGLASS®-W typically blocks out 50% of the sun's rays and offers 240% more solar protection than standard glass.

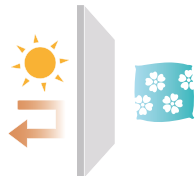


Decreases Condensation

Warm Edge Technology
Yes

Warm Edge Spacer - Avoids heat loss at the edge of the unit, reducing internal condensation especially at the glass edge. Warm edge spacer is typically up to 950 times less conductive than standard aluminium.

Additional features for SMARTGLASS®-W Plus+



Protects Furnishings

UV Reduction
Yes

Anti Fade - Blocks out 98% of the harmful UV rays that cause damage to soft furnishings.



Better Security

Enhanced Security
Yes

Enhanced Security - An additional security interlayer within the glass holds the fragments together in case of impact, making it significantly harder to gain entry this way.



Reduces Noise

Sound Reduction
Yes

Enhanced Acoustics - For a quieter conservatory this option reduces audible sound by 40% more than standard glass.

SMARTGLASS® Ultimate offers all of the above features and...



Stays Cleaner

True Self Clean
Yes

Self Clean - Uses the same coating as the roof, to prevent the build up of dirt and grime, reducing the frequency of cleaning.