



Planitherm high performance glazing for a more **comfortable** home

www.planitherm.com



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Planitherm[®]
Glass that makes a difference



Considering new windows?

When it comes to replacing your windows, **the glass really does make a difference.**

Glass will typically make up 70% of your window and is at the heart of controlling the flow of natural light, the level of safety and security, of heat retention and even the level of furniture fade protection.

Choosing the right glass for your home will have a huge impact on the performance of your windows, so it's important to get it right.

Insist on Planitherm glass

Our modern glazing can contribute so much to the comfort of your home, making you more connected to the world around you. Whether you're looking for more warmth, a peaceful night's sleep, or to enjoy a sun-filled room without overheating, Planitherm is the perfect glass for you.

We want you to feel as passionate about glass as we do and feel the difference that Planitherm can make to your home.

Planitherm is the UK's leading energy efficient glass and our full range can be incorporated into any style of window frame. All of our packages are energy efficient as standard and are manufactured in the UK specifically for our changeable climate!



We've made it simple

Planitherm glass can do amazing things. Through our unique combination of coatings and laminated layers, our high performance glazing is designed to make your home feel comfortable and secure. You might not be able to 'see' it, but you'll certainly feel the difference.

To simplify the process, we've developed our Planitherm range into three clear options, helping you select the right level of comfort for your home. It's as simple as choosing the option that's right for you.

Comfort comes to life

To help you make your choice, we like to bring our comfort features to life. Find out more about each of our Planitherm high performance glazing features below and select the options that work for your home.



With Planitherm, energy efficiency comes as standard.

A special coating on our glass helps stop heat escaping, so you'll use less energy to keep your home warm. Our Energy Standard and Comfort glazing captures and makes use of the warmth from natural daylight, while Comfort Plus helps limit and control it – ideal for very sunny rooms.



Help protect your family from break-ins and vandalism.

Our high-security transparent layer on Comfort and Comfort Plus glass makes them much tougher to break through than standard, unlaminated glass. When used in an approved window frame, they're designed to meet the official police security initiative 'Secured by Design' standard, so you'll feel safer and more secure in your home.



Make your home a peaceful respite from the world outside.

Perfect for bedrooms to ensure a good night's sleep, a built-in acoustic layer keeps exterior noise exactly where it belongs – outside. If you live on a busy road or close to other disturbing sounds, noise control glazing should be on your list.








Keep your furniture looking newer for longer.

Prolonged exposure to ultra-violet light from the sun will contribute to your furniture and curtains fading over time. Our hidden layer of protection on Comfort and Comfort Plus glass blocks out 99% of the sun's UV rays. Think of it as sun-block for your sofa, curtains and carpets.



Perfect balance of light and warmth.

Rooms with lots of glass will give you a great view, but the warmth from natural daylight can make it uncomfortably hot on sunny days. Our Comfort Plus glass has a special coating designed to keep out heat from the sun's rays, for a comfortable and bright environment and greater control of your internal temperature. It's particularly suited for south- and west-facing rooms with sunny aspects, or larger glazed areas such as bi-fold and patio doors.

| Comfort Feature | Energy Standard | Comfort | Comfort Plus |
|---|-----------------|---------|--------------|
|  Energy Efficiency | ✓ | ✓ | ✓ |
|  Enhanced Security | | ✓ | ✓ |
|  Noise Reduction | | ✓ | ✓ |
|  Furniture Fade Protection | | ✓ | ✓ |
|  Reduce Overheating | | | ✓ |



Energy Standard



56%
ENERGY
EFFICIENCY
IMPROVEMENT*



Keep your home warm and comfortable

Keeping your home warm can be challenging when energy prices are rising. Choosing windows with Planitherm Energy Standard glass can help to combat this.

The special coating on our glass captures the warmth from natural daylight, and stops 56% more internal heat escaping than older-style double glazing. So, it will cost you less to keep your home warm.

How it works

The crystal clear, microscopic coating applied to the inner pane of glass allows more light and heat into the room, helping to warm it, while keeping more heat in too.

Benefits

- Improved energy efficiency
- Can help lower energy bills

Where to use it

Ideal for standard windows in any room, but not ideal for south- or west-facing rooms with sunny aspects or large glazed areas.

Comfort



Choose better security and better sleep

Disturbed by outside noise? Concerned about security? Choosing windows with Planitherm Comfort can help provide the answer.

With a built-in transparent layer, Comfort glass is much tougher to break through than standard, un laminated glass. Ideal for bedrooms or street-facing rooms, the layer also reduces noise by 20%, helping to improve your overall well-being. As an added bonus, it also blocks 99% of UV rays, helping your furnishings to look as good as new for longer.

20%
BETTER NOISE
REDUCTION*

99%
UV REDUCTION**

56%
ENERGY
EFFICIENCY
IMPROVEMENT*



How it works

The transparent layer laminated between two panes of glass creates a strong barrier, dampens noise and blocks over 99% of UV light.

Benefits

- Helps protect against burglary and vandalism – designed to meet the official police security initiative ‘Secured by Design’ standard
- Reduces unwanted noise
- Improved energy efficiency
- Reduces fading of your furniture

Where to use it

Ideal for standard windows in any room, particularly bedrooms for a peaceful night’s sleep, or those overlooking busier streets where noise and/or security are a concern.



Comfort Plus



KEEPS OUT
50%
OF THE SUN'S HEAT

20%
BETTER NOISE
REDUCTION*

99%
UV REDUCTION**

63%
ENERGY EFFICIENCY
IMPROVEMENT*



Make your home into the ultimate sanctuary

For the perfect balance of light, warmth and comfort choose Planitherm Comfort Plus.

An invisible coating is specifically designed to block out 50% of external heat from the sun while keeping in 63% more internal heat. Your home will be cooler in summer and warmer in winter.

Particularly useful for large glazed areas, such as bi-fold or patio doors, and for south- and west-facing rooms with sunny aspects. The glass is also combined with a built-in transparent layer to give you all the comfort features of the Comfort option.

How it works

The special clear coating on the glass reflects away heat from the sun, while optimising heat retention in the room. The transparent, laminated layer creates a strong barrier, dampens noise and blocks UV light.

Benefits

- Blocks out heat from the sun's rays, giving you greater control of your internal temperature
- Improved energy efficiency
- Helps protect against burglary and vandalism – designed to meet the official police security initiative 'Secured by Design' standard
- Reduces fading of your furniture
- Reduces unwanted noise

Where to use it

Ideal for homes with large glazed areas, bi-fold doors and south- and west-facing aspects. Excellent choice for both new builds and renovations.

For further information

To find out more and choose the right Planitherm Comfort Features for your home visit www.planitherm.com

You will find product information, advice on selecting the best options for your home, and can search for a local installer.



The Planitherm Network is a nationwide group of independent window installers and fabricators. All have been vetted to meet our minimum membership criteria and many have undertaken additional training on Planitherm glass.

Choosing a Planitherm Network Member local to you gives you access to a wealth of advice and expertise and ensures that you can choose Planitherm with total confidence.

Find an installer at www.planitherm.com

Please note that the installers listed on the Planitherm Network are for guidance only and are not endorsed by us. We would strongly recommend that you obtain your own quotations, obtain your own references from satisfied customers, and make your own decisions. We cannot be held responsible and we do not accept any liability for any disputes between yourselves and any of these installers.



FAQs

- Q** Are the coatings and laminated layers on the glass permanent?
- A** Yes. The coating is permanent, invisible and hermetically sealed within the glass unit so will last the lifetime of the window. For product options that include a laminated layer, the layer is permanently adhered between two panes of glass.
- Q** Will the coatings and laminated layers affect the appearance of my windows?
- A** No, the appearance remains neutral. The coating is completely transparent and microscopically thin, so it is not visible to the naked eye. Laminated layers are also very thin and totally clear.
- Q** Can I specify Planitherm glass with any type of window frame?
- A** Yes, all Planitherm Comfort glazing options can be included in any size of double glazed window unit and used with all popular frame materials and types, including UPVC, wood and aluminium. Members of the Planitherm Network are installers who

can provide you with comprehensive advice and installation expertise. You can search for an installer near you at www.planitherm.com

- Q** Is the performance of Planitherm glass proven?
- A** Yes, the performance of Planitherm meets the requirements of European standard BS EN 1096-4 and carries the relevant CE Marking. For more information, visit www.saint-gobain-glass.com/ce
- Q** What does this performance mean to me in real terms?
- A** By switching from older-style, non-coated double glazing to one of the new Planitherm Comfort glazing options, you can benefit from; over 50% improved energy efficiency, enhanced security, up to a 20% reduction in noise, furniture fade protection and a reduction in overheating for large glazed areas, with the Comfort Plus option blocking out 50% of external heat from the sun.

- Q** Where can I buy Planitherm glass?

A Planitherm glass, and each of the Comfort glazing options, is available to buy via window companies across the UK. Look for members of the Planitherm Network – installers who can provide you with comprehensive advice and installation expertise. You can search for an installer near you at www.planitherm.com

- Q** Does Saint-Gobain Building Glass guarantee the quality of work of installer members of the Planitherm Network?

A No, installers who use Planitherm can register on the Planitherm Network and have met our Network membership requirements. However, we do not guarantee their work and any queries or issues with your windows should be directed to your installer.

For more frequently asked questions, visit www.planitherm.com

*Compared with a 4mm/16mm cavity/4mm (uncoated) Double Glazed Unit filled with air.

**Calculated from UV transmittance in accordance with EN 410.