

ADVANTAGES OF WARM EDGE TECHNOLOGY

Improved Thermal Efficiency

Thermally efficient windows can help to reduce heat loss by up to 94%. Thermobar can contribute towards improving the overall U-value or Window Energy Rating of Windows to help to swing a rating from a 'B' to an 'A', or even from an 'A' to an 'A+' or 'A*'. Warm edge integral glazing bars and duplex fittings are also available for the complete warm edge unit. When designing zero carbon homes, every point counts.

Aesthetics and Sight Lines

Thermobar warm edge spacers are available in a range of colours to blend naturally with any window frame. The straight sight line and smooth finish can complement any architectural designs.

Condensation Resistance

Up to 70% reduced condensation with warm edge glazing. By reducing heat loss and keeping the inner glass pane warmer, windows with warm edge spacer are much less likely to develop condensation. Less condensation will lower the chance of potentially harmful mould and bacteria growth that could trigger health problems such as asthma and dermatitis.

Glass Surface Temperature

Up to 80% of energy lost through a window occurs at its edge. The extremely low conductivity value of warm edge spacers such as Thermobar means less of a variation in the surface temperature of the glazing unit. See thermal images within this document showing the areas of most heat loss where the glazing bars are located.

Suitable for Triple Glazing

Thermobar rigid spacer system is structurally sound and is currently available in a range of sizes suitable for use in higher performance triple glazing units.

Sound Absorption

Windows manufactured including warm edge spacer can absorb more noise than traditional windows. Ideal for incorporation in areas where noise could be an issue.

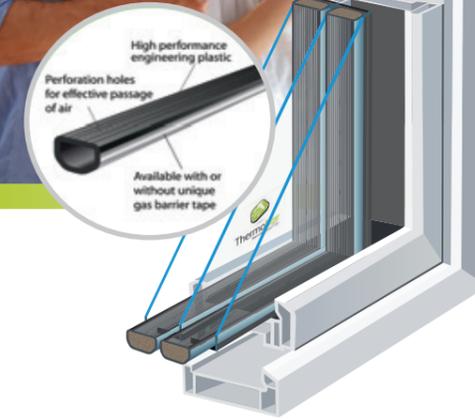
Gas Retention

Thermobar superior sealed units can easily achieve the European standard EN-1279 Part 3 for minimising gas loss.

Preferred by Manufacturers

Thermobar is the preferred spacer system of many UK insulated glass sealed unit manufacturers.

A superior technology designed to minimise energy loss through your glass sealed units



WARM EDGE WINDOW COMPONENTS ENGINEERED FOR SAVINGS

SAVE energy with the lowest conductivity spacers - **0.14W/mK**

SAVE energy with lowest Psi Values

SAVE energy with reduced overall window U-values

SAVE costs on the best futureproof window components

Helps to achieve A+ and A* Window Energy Ratings

Our spacers are the result of over 35 years of dedication to insulated glass. We understand the conditions within a glazing unit and how each component performs within the lifetime of the unit. This helps us to ensure that the components we manufacture and supply are second-to-none.



Thermal Conductivity: **0.14 W/mK**

	Plastic window frame	Wood window frame
Double Glazing	0.032	0.031
Triple Glazing	0.030	0.029

Above Psi values based on BF Data Sheet www.bundesverband-flachglas.de Lower Psi values achievable with Hot Melt



Thermobar™
Warm Edge Spacer Tube

TO DISCOVER MORE ABOUT THERMOBAR OR THERMOFLEX WARM EDGE SPACERS AND OUR 1,500 GLAZING COMPONENTS visit www.thermosealgroup.com or call 0845 331 3950 Intl. +44 121 3313950

Request Further Information

1. Thermobar Product Catalogue
2. Thermobar Insulated Glass Manufacturing Guide
3. Thermobar Manufacturing Tips for producing long-life units
4. Thermobar Saw Blade Guide
5. Thermobar RAL Colour Chart
6. Thermobar Gas Collars and Plugs Guide
7. Thermobar Bending Equipment for a range of spacer bars
8. Thermobar Warm Edge Leaflet
9. Thermobar Window Installers-Fabricators Leaflet
10. Thermobar Architecture-Specifier-Builder Leaflet
11. Thermobar Duplex Systems & Interbar/Muntin
12. Thermobar Technical Data Sheet
13. Thermobar Material Safety Data Sheet
14. Thermobar Bundesverband Flachglas Psi Value Data Sheet
15. Thermobar CE Marking Declaration Letter
16. BFRC details of substitution of in current WER Simulations
17. Thermobar EN1279 Test Reports
18. Thermobar Sample Box
19. Thermobar Sealed Unit Low Tack Glass Stickers

Documentation can be downloaded at thermosealgroup.com. Request password details from marketing@thermosealgroup.com

THERMOSEAL GROUP

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Thermobar
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Manufactured in the UK

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