Thermobar
Warm Edge Spacer Bars and bespoke injection moulded fittings are exclusively manufactured by THERMOSEAL GROUP in the UK.

The Thermobar range is the result of 35 years of dedication to insulated glass.

Thermobar™

Warm Edge Spacer Tube

SAVE energy with Lowest Conductivity Spacers - **0.14W/mK**

SAVE energy with lowest Psi values

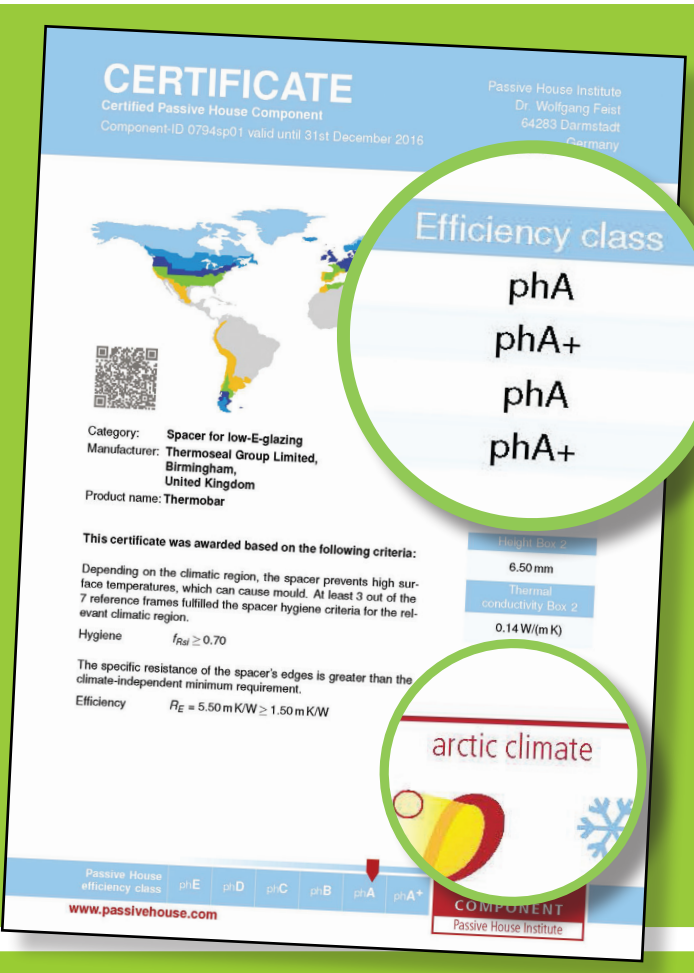
SAVE energy with reduced overall window U-values

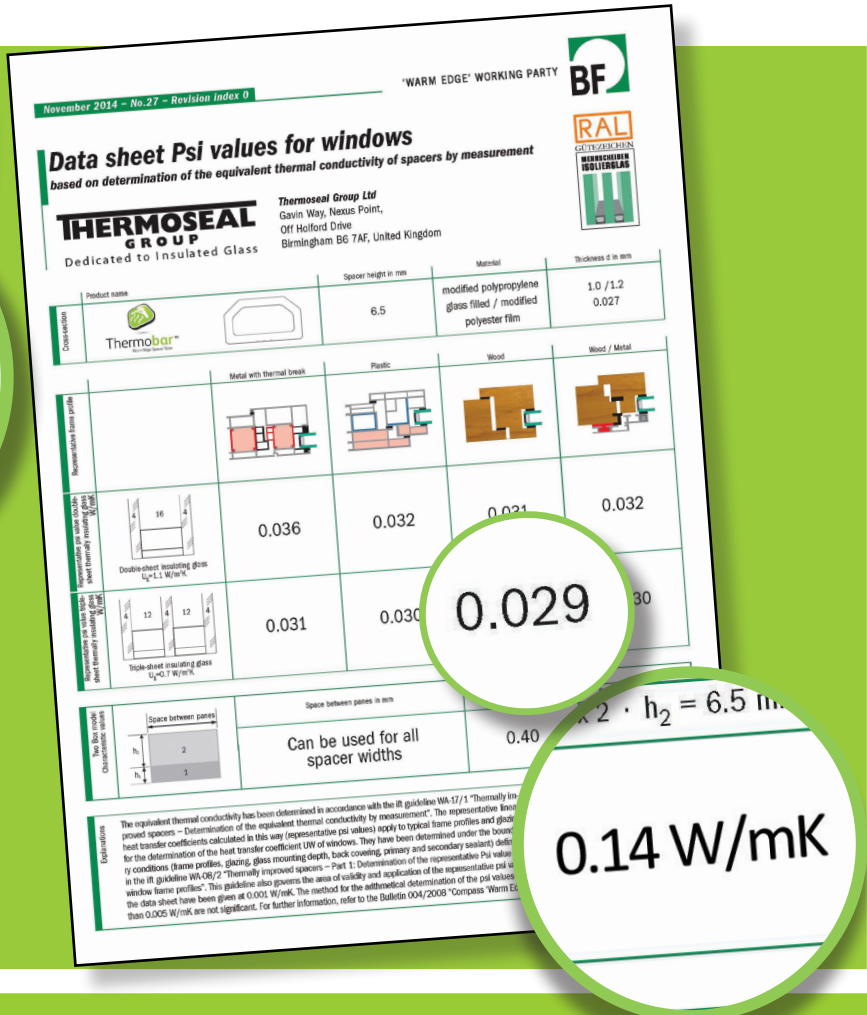
SAVE costs on the best futureproof window components

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

Lower Psi values available with Hot Melt.

www.thermobarwarmedge.com





Passive House: www.passivehouse.com

Bundesverband Flachglas Dati: www.bundesverband-flachglas.de

THERMOSEAL GROUP
Dedicated to Insulated Glass

G16 WINNER
COMPONENT SUPPLIER OF THE YEAR FOR 2 YEARS IN A ROW

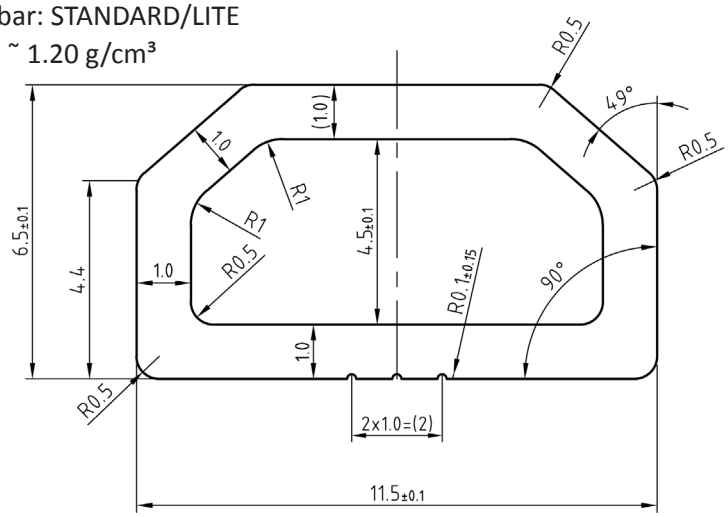
Technical Data

www.thermosealgroup.com

Thermobar™
Warm Edge Spacer Tube

Product Details

Thermobar: STANDARD/LITE
Density: ~ 1.20 g/cm³



Thermobar is available in sizes: 4mm, 7.5mm, 9.5mm, 11.5mm, 13.5mm, 15.5mm, 17.5mm and 19.5mm.
Standard spacer height 6.5mm ± 0.10mm width.

Thermal Conductivity Values

BF Data Sheet: 0.14 W/mK
Passive House Certificate: phA+ rating with Hot Melt.

$\lambda_{eq,2B}$ = **0.140 W/(m K)**
Reference Test Report - Nr. 14-000623-PR05 (PB-K10-06-en-01)
ift Rosenheim - ift-Guideline WA-17engl/1 in generalaccordance to EN 12664: 2001
EN ISO 10456: 2008

	0,036	0,032	0,031	0,032
	0,031	0,030	0,029	0,030

Thermobar (with high performance gas barrier tape) complies with BS EN1279 parts 2, 3 and 6 with all sealant types.

This standard version of Thermobar is recommended for gas filled sealed units.
Thermobar LITE (with no gas barrier tape) complies with BS EN1279 parts 2 and 6 with hotmelt sealants only.

Mechanical Properties*

Performance	Test Method	Unit	Value
Tensile strength	ISO 527/ASTM D638	MPa	≥ 45
Tensile Modulus	ISO 527/ASTM D638	MPa	≥ 5200
Tensile strain at break	ISO 527/ASTM D638	%	≥ 1.5
Impact strength	ISO 1797/ASTM D256	KJ / m²	≥ 8

* All test values are carried out at ~ 23°C on injection moulded samples.

Thermal Properties

Performance	Test Method	Unit	Value
Coefficient of linear thermal expansion - longitudinal	ISO 11359/ASTM D696	10 / K	~ 2
Maximum Service Temperature	-	°C	~ 105
Melting Point	ISO 3146	°C	> 160

Please note:
- Test figures required within different countries and zones may vary. Please select the correct data from the values stated above. If further values are required for Thermobar, please do not hesitate to contact Thermoseal Group.
- Finished units should be glazed according to recognised standards to give the longest life span. For the minimum requirements please read; Glass and Glazing Federation Data Sheet 4.2 - 'Systems Design and Glazing Considerations for Insulating Glass Units.'

Download QR Code reader on your mobile phone to scan image above for online location of data sheets and downloads

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Tel 0845 331 3950 Itl: +44 (0)121 331 3950
Fax +44 (0)121 331 3999 sales@thermosealgroup.com