

## Characteristics

Thermal values	<ul style="list-style-type: none"> <li>• Low thermal transmittance</li> <li>• 2 Box Value = 0.13 W/mK Multitech – Second to None</li> <li>• Low PSI value</li> <li>• Higher surface temperature on the glass</li> <li>• Thermally better than any other known spacer bar</li> </ul>
IG-unit System	<ul style="list-style-type: none"> <li>• Minimal system risk</li> <li>• Fulfilment of EN 1279</li> <li>• No chemical condensation (fogging)</li> <li>• High frame stability</li> <li>• Minimal shape and material changes secures long durability</li> </ul>
Workability	<ul style="list-style-type: none"> <li>• Bending (Pre-Heating)</li> <li>• Welding on automated welding machines</li> <li>• High productivity</li> <li>• Cut and assemble with corner keys</li> </ul>
Spacer Bar / System cost	<ul style="list-style-type: none"> <li>• Excellent value for money</li> <li>• Flexible production</li> </ul>
User advantages	<ul style="list-style-type: none"> <li>• Reduces energy bill</li> <li>• Condensation inside is reduced</li> <li>• Minimal frame damage from fungus</li> <li>• Improved indoor climate</li> </ul>

**MULTITECH®**

**Best thermal values, ensures comfort, energy saving and minimal CO<sup>2</sup> emission!**

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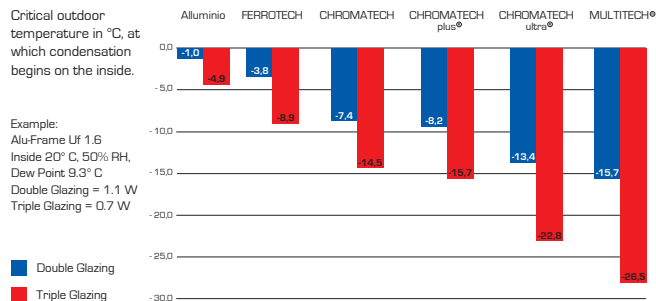


**MULTITECH®**

# The Glass Alliance network all over the world

**MULTITECH®** is a new ridged pure plastic spacer with unique multilayer gas barrier and optimal thermal performance. It can be bend after heating, welded or cut and assembled with traditional corner keys.

The latest Warm Edge spacer from Glass Alliance is now available in all main sizes and colours.



Warm edge spacers reduce the energy bill and improve indoor climate.

MULTITECH® spacer provide further advantages:

- Optimal PSI value
- Special designed MULTILAYER gasbarrier foil
- Optimized adhesion to sealants without primer
- Processing: Sawing and mounting, bending by pre-heating or welding
- Recyclable plastic material
- Superior reduction of CO<sub>2</sub> emission

## Sizes

Type	Width	CHROMATECH ultra®	MULTITECH®	MULTITECH® with flanges
8	7,5 mm	✓	✓	
10	9,5 mm	✓	✓	
12	11,5 mm	✓	✓	
13	12,5 mm	✓	✓	
14	13,5 mm	✓	✓	
15	14,5 mm	✓	✓	
16	15,5 mm	✓	✓	
18	17,5 mm	✓	✓	
20	19,5 mm	✓	✓	
22	21,5 mm	✓	✓	✓
24	23,5 mm	✓	✓	✓
Height		6,9 mm	6,5 mm	13,5 mm
Wall thickness		0,1/0,9	0,9	0,9/1,0
Geometry				

MULTITECH® can be supplied in colours: black, light grey, titan grey, light brown, dark brown and white.

Pure plastic spacer with multilayer gasbarrier foil with optimized adhesion without primer.

✓ EN 1279 ✓ ISO 9001

## Accessories



Steel connector:  
MULTITECH®



Butyl corner:  
MULTITECH®



Nylon connector:  
MULTITECH®



Nylon corner:  
MULTITECH®

Other accessories, crosses, flexible corners etc., also available.

## Thermal data

Ψ values for spacer bars for different representative frame systems as defined in the IFT guideline WA-08/3 "Thermally improved spacers - Part 1: Determination of the representative PSI values for window frame profiles".

**Double IG-unit: 4/16/4 con Ug = 1,1 W/m²k**

Ψ values in W/mk

Frame	Spacer Bar			
	Aluminium	CHROMATECH ultra®	MULTITECH® PS, PU, SI	MULTITECH® 3 mm Hotmelt A+
Aluminium	0,111	0,046	0,035	0,030
Wood/ Aluminium	0,092	0,041	0,032	0,028
Wood	0,081	0,037	0,030	0,026
PVC	0,077	0,037	0,031	0,028

**Triple IG-unit: 4/12/4/12/4 con Ug = 0,7 W/m²k**

Ψ values in W/mk

Frame	Spacer Bar			
	Aluminium	CHROMATECH ultra®	MULTITECH® PS, PU, SI	MULTITECH® 3 mm Hotmelt A+
Aluminium	0,111	0,041	0,030	0,025
Wood/ Aluminium	0,097	0,039	0,030	0,025
Wood	0,086	0,036	0,028	0,024
PVC	0,075	0,035	0,030	0,027

The values for CHROMATECH ultra® are calculated with 2-side filling and desiccant 0.10 W/mK.

Calculate Uw on the EN 10077 Standard frames with our UV-calculator – The App can be downloaded for Apple and Android software – also available as PC version to use on your desktop at [www.rolltech.dk](http://www.rolltech.dk).

Please note:

PSI value depends on many factors:

- Actual position of IG-unit in the frame
- Uf - value of the window frame
- Ug - value of the IG-unit

**Window - Uw - calculation  
after EN ISO 10077:**

$$U_w = \frac{U_g \cdot A_g + U_f \cdot A_f + \Psi \cdot l}{A_g + A_f}$$