Characteristics

Thermal values	• Low thermal transmittance • 2 Box Value = 0.51 W/mK • Low Psi value • Higher surface temperature on the glass • Thermally better than any other metallic spacer bar
IG-unit System	• Minimal system risk • Fulfilment of EN 1279-2/3/6 • No chemical condensation (fogging) • High frame stability • Minimal shape and material changes secures long durability
Workability	• Bending (Pre-Heating) • Welding on automated welding machines • High productivity • Cut and assemble with corner keys
Spacer Bar / System cost	• Excellent value for money • Flexible production
User advantages	• Reduces energy bill • Condensation inside is reduced • Minimal frame damage from fungus • Improved indoor climate

MULTITECH A®

Good thermal values, ensures comfort, energy saving and minimal CO^2 emission!

ALU PRO®

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ROLLTECH®

ROLLTECH A/S - an Alu Pro Group Company

GLASS ALLIANCE

MULTITECH A®

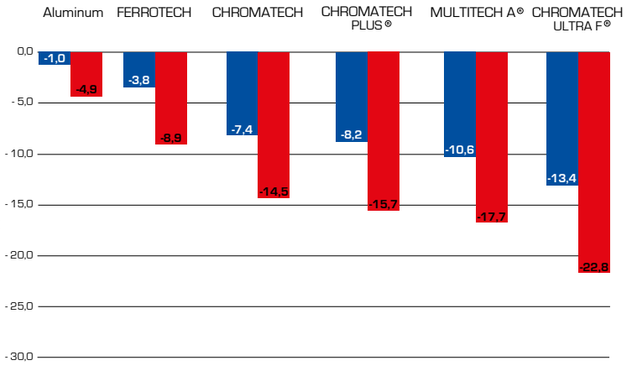
The Glass Alliance network all over the world

MULTITECH A®is a new glass fiber reinforced copolymer spacer with a special designed multilayer aluminum gasbarrier foil to reduce the values of linear thermal trasmittance (Psi) suitable for bending after heating, welding or cutting to then be assembled with traditional corner keys.

MULTITECH A® is avaible in all main sizes and colours.

Critical outdoor temperature in °C, at which condensation begins on the inside.

Example:
Alu-Frame Uf 1.6
Inside 20° C, 50% RH,
Dew Point 9.3° C
Double Glazing = 1.1 W/m²K
Triple Glazing = 0.7 W/m²K

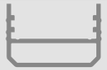


Warm edge spacers reduce the energy bill and improve indoor climate.

MULTITECH A® spacer provide further advantages:

- Good Psi value
- Special designed MULTILAYER aluminum gasbarrier foil
- Excellent adhesion to sealants without primer
- Processing: Sawing and mounting, bending by pre-heating or welding
- Recyclable plastic material
- Reduction of CO^2 emission

Sizes

Type	Width	CHROMATECH ULTRA F®	MULTITECH A®	MULTITECH A® 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 A®can be supplied in the following colours: Light Gray (type RAL 7035), Titanium Gray (type RAL 9023), Black (type RAL 9004), White (type RAL 9016), Light Brown (type RAL 8003) and Dark Brown (type RAL 8016).

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 also available: double faced spacer bar, crosses, flexible corners keys etc.

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		
	Aluminum	CHROMATECH ULTRA F®	MULTITECH A®
Metal	0,111	0,048	0,059
Plastic	0,077	0,039	0,045
Wood	0,081	0,039	0,047
Wood/ Metal	0,092	0,043	0,051

Triple IG-unit: 4/12/4/12/4 con Ug = 0,7 W/m²K
Ψ values in W/mK

Frame	Spacer Bar		
	Aluminum	CHROMATECH ULTRA F®	MULTITECH A®
Metal	0,111	0,043	0,055
Plastic	0,075	0,037	0,043
Wood	0,086	0,038	0,047
Wood/ Metal	0,097	0,041	0,051

Calculate Uw on the EN ISO 10077 Standard frames with our WinUw 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.

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:

$$Uw = \frac{Ug \cdot Ag + Uf \cdot Af + \Psi \cdot l}{Ag + Af}$$