



MULTIWALL POLYCARBONATE – CLIP-ON SYSTEMS



U value
w/m²K



Natural
Daylight



Natural
ventilation



Protection



Energy
efficient



Modular

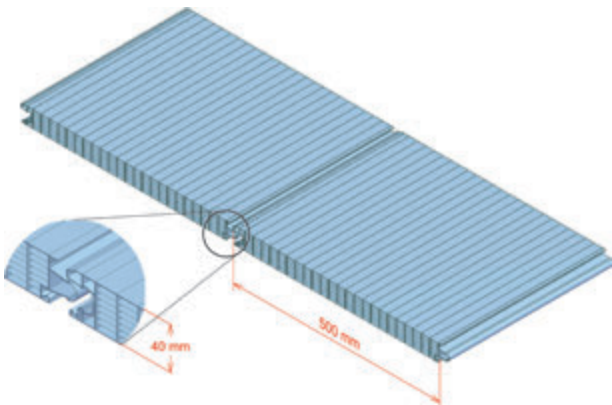
ADVANTAGES AND STRUCTURES OF THE CLIPP-ON SYSTEMS

- Ideal for new cladding or renovation of all types of tertiary architectural projects (such as gyms, schools or offices) and industrial buildings (shops and warehouses).
- Complete range of aluminium profiles and thermal break profiles. Accessories for fast and professional fitting.

AKYVER® PANEL 40 – 8-walls

Advantages

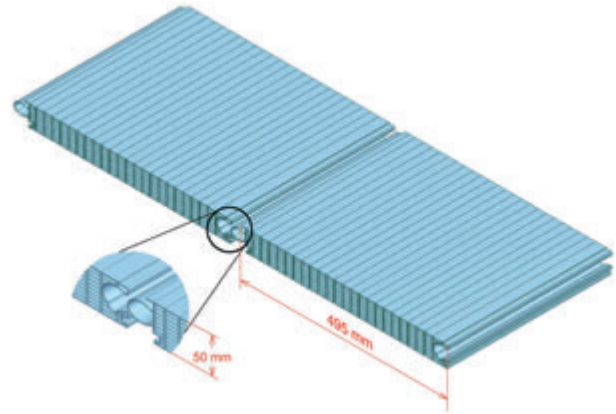
- Airtightness
- High thermal insulation ($U_g = 0.98 \text{ W/m}^2\text{K}$)
- Sections with thermal break covered by Technical Approval
- Excellent load capacity (up to 2.3 m)



AKYVER® PANEL 50 – 10-walls

Advantages

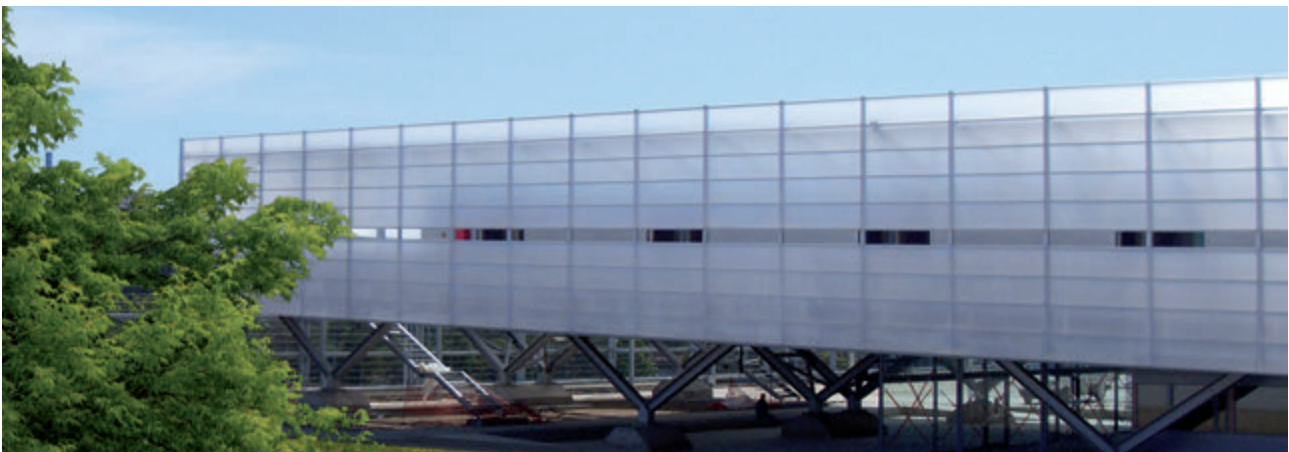
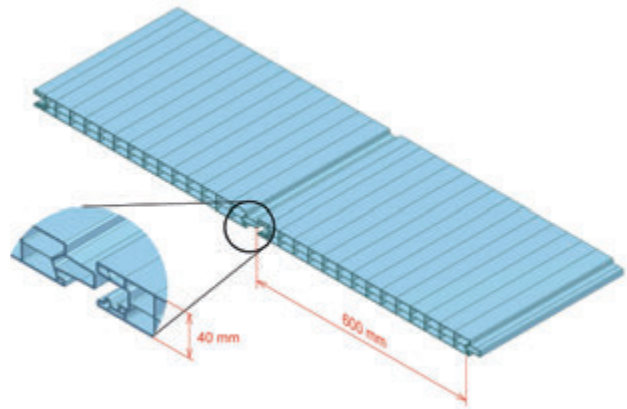
- Excellent thermal insulation ($U_g = 0.83 \text{ W/m}^2\text{K}$)
- Sections with thermal break covered by Technical Approval
- Excellent load capacity (up to 2.4 m)



AKYVER® PANEL 40 - 3 walls

Advantages

- High transparency ($LT = 72\%$)
- The 600 mm width sheets make fitting fast and simple



TECHNICAL INFORMATION

Technical characteristics

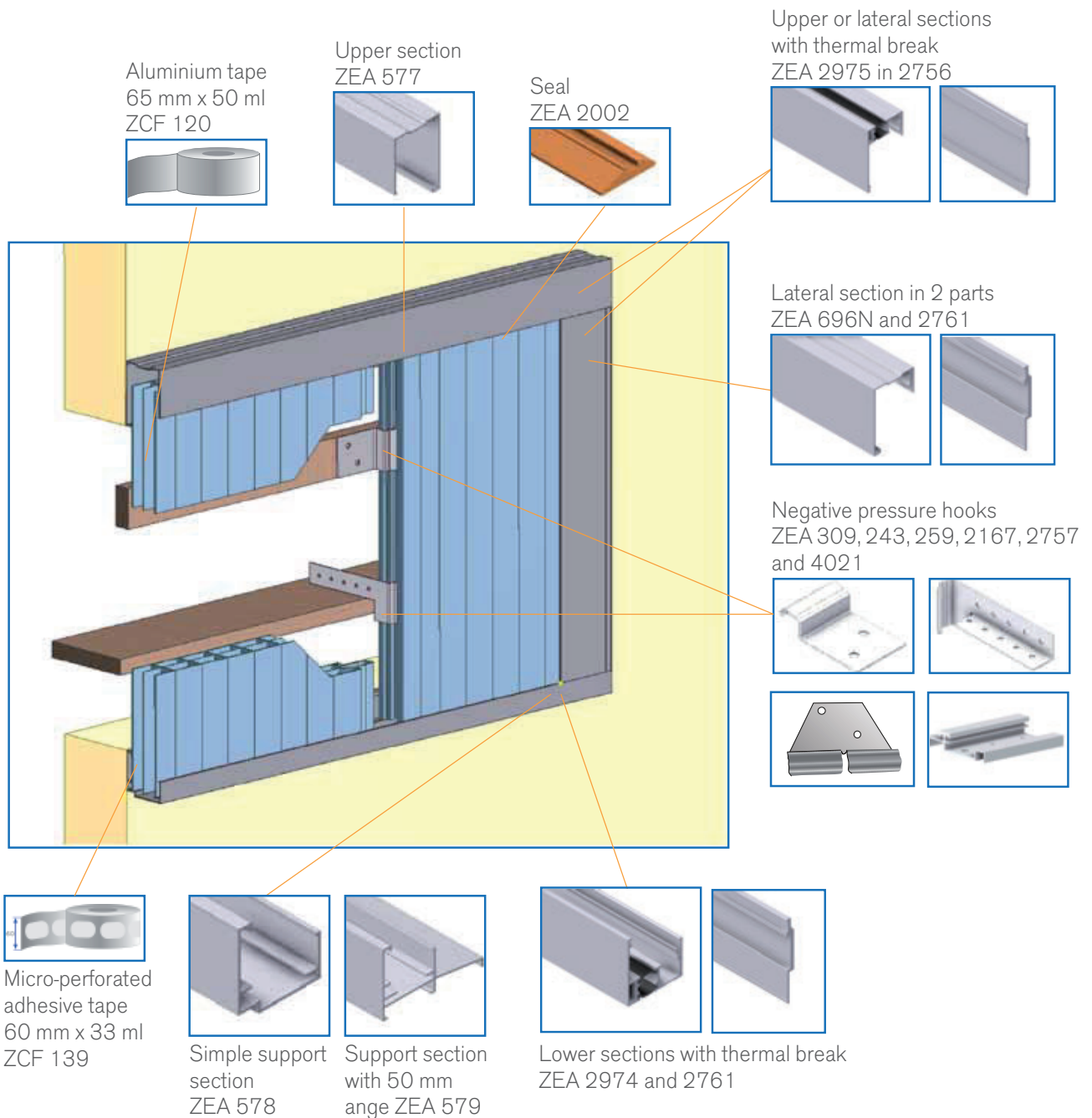
	PANEL 40 – 3 walls		PANEL 40 – 8 walls		PANEL 50 – 10 walls	
Thickness (mm)	40		40		50	
Weight (kg/m ²)	3.5		4		5	
Usable width (mm)	600		500		495	
Standard length (mm)	6,000 or 7,000					
Fire classification (European standard SBI EN 13501)	B s1 d0		B s1 d0		B s2 d0	
UV protection	by coextrusion on the outer surface					
Linear expansion coefficient (mm/m/°C)	0,065					
Modulus of elasticity E (N/m ²)	2,300					
Usage temperature (°C)	-40/+ 115					
Ball shot resistance (DIN18032)	T3					
Thermal insulation (W/m ² .°C)	1.7		0.98		0.83	
Standard colours*	CLEAR	OPAL	CLEAR	OPAL	CLEAR	OPAL
Light transmission (%)	72	57	60	49	50	28
Sound reduction index	20 dB		20 dB		22 dB	
Slope for installation with respect to the vertical	45° (15° to CSTB technical approval)					

*Other colours on request

Loads for Akyver[®] Panel and/or spacing of the intermediate beams

	PANEL 40-3 + ZEA 2167 hook		PANEL 40-8 + ZEA 2757 hook		PANEL 50-10 + ZEA 2757						
	2 supports	3 supports	2 supports	3 supports	2 supports	3 supports					
daN/m ²	pressure/vacuum	pressure/vacuum	pressure/vacuum	pressure/vacuum	pressure/vacuum	pressure/vacuum					
2.50					54	54	54	54			
2.40				60	58						
2.20					80	80	80	80			
2.00		50	40		108	110	107	97	107	97	
1.75	55	58		75	75		160	125	160	125	
1.60		160	75	100	100						
1.50	82	70			210	140	254	165	254	165	
1.25	125	125	210	110		220	160	316	199	316	199

FITTING INSTRUCTIONS



Warning:

The blue film with Akyver® Panel printed on it, shows the anti-UV treated side that should be placed on the outside of the cladding. Slide the first Akyver® Panel sheet inside the upper section and slide it down into the lower section. Push this first sheet to the depth of the lateral section. The fitting of the last Akyver® Panel is easy when using the lateral sections in 2 parts: ZEA 696N and ZEA 2761.

ALUX FACADE PANELS - WINDOWS

Aesthetically Elegant and Energy
Efficient Solutions

Windows Range with Thermal Break

Alux facade panels windows offer various methods and directions of opening. They are also very resistant to extreme climate conditions. These windows are specially designed for integration with our Alux panel 40 - 8 walls.

Applications:

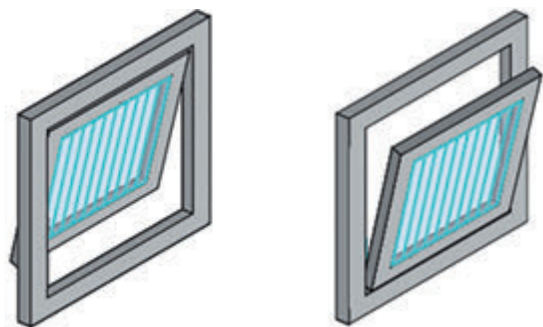
- Wall cladding for industrial buildings such as logistic warehouses and sport complexes
- Walls that have a maximum inclination of 35°
- Can be installed at any location of the facade

Features and Benefits:

- Thermal break profiles makes them energy efficient
- Durable and lightweight structure
- Fast and easy to install, reducing the cost of installation
- Panel windows can come pre-glazed or can be installed at the site
- CE certification
- Durable, 2 years warranty on complet system & 10 years on window waterproofness
- Wide range of horizontally & vertically opened windows



Direction of Window Openings:



Inside opening

Outside opening



Opening Control Mechanism:

- Manual control
- Electric control (Chain driven)





Maximum dimensions with frame:

	Height (mm)	Width (mm)
Horizontal	Up to 3000	Up to 1580
Vertical	Up to 2000	Up to 3050

Note: the maximum surface of the window is 2.5 m²

Akyver®

is a trademark of the company
DS SMITH PLASTICS FRANCE - SAS.



More info:

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