



THE ADVANTAGES



Aesthetics and integration:

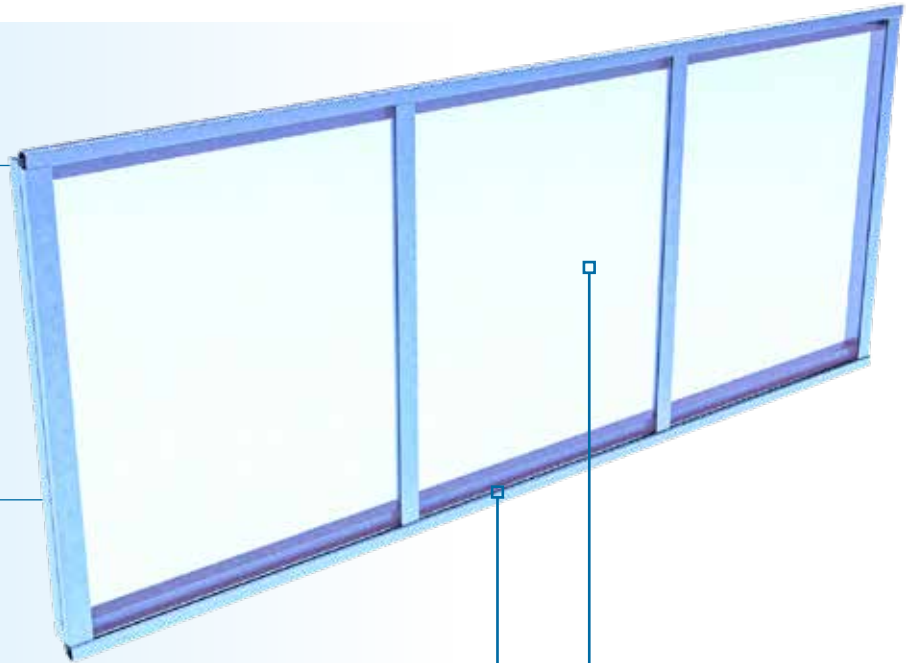
The ARCASHED® can be fitted with an ARCALAM® type natural smoke and heat exhaust ventilator system in one of its slopes.

The ARCASHED® displays excellent resistance to high and low pressure on particularly exposed façades or sheds thanks to the aluminium struts that support the translucent lighting surfaces.



Easy to install:

The full kit is delivered ready to assemble with simple tools and clear installation instructions. It includes the fasteners and all the seals.



STRUCTURE

- Self-draining supporting profiles (hip or arch)
- Glazing bead profiles (cover joint fitted with EPDM seals)
- Metal edge profiles used to attach the hip or arch profiles, collect and drain away rainwater run-off and condensation in the lower part and hold the glazing in the lower part
 - Ridge for complete watertightness
 - Stainless steel fasteners



GLAZING

- 10 mm opal multi-wall structured polycarbonate, $U_g = 2.7 \text{ W/m}^2\cdot\text{K}$

The **ARCASHED®** is a daylighting strip with a minimum 11% (or 6.28°) slope, consisting of an extruded aluminium structure and vertical synthetic glazing (polycarbonate). Height: up to 7 metres with intermediate struts according to the height (please contact us for heights over 7 metres).

OPTIONS

Glazing

(according to dimensions)

- Opal IR S.PC 10
- Transparent S.PC 10
- S.PC 10 + 
- Opal IR S.PC 16
- Transparent S.PC 16

Other

- Powder-coated frames (choice of RAL colours)

CONFORMITY AND IMPLEMENTATION

Fastening and sealing must comply with the requirements set out in French legislation (DTU series 40 and 43 currently in force).

— SIZE RANGE

- Dimensions: from 1.00 lm to 7.00 lm of slope, no length limit
- Pitch from 31° to 90°
- Self-supporting structure up to 1.50 lm for profiles with small chord (beyond this length, use intermediate rails)
- Self-supporting structure up to 3.00 lm for profiles with large chord (beyond this length, use intermediate rails)

— GLAZING PERFORMANCES (ACCORDING TO SIZE)

Other glazing: see "Glazing" technical data sheet

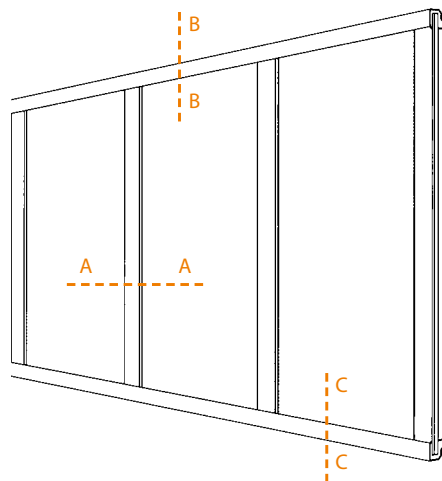
Types of glazing	Heat transfer coefficient Ug (W/m².K)		TL D65 ⁽²⁾	FS or g ⁽²⁾	Reaction to fire	$R_w = R_w + C$ $R_{A, tr} = R_{A, tr} + C_{tr}$ (dB) ⁽³⁾
	U _{hor} ⁽¹⁾	U _{vert} ⁽¹⁾				
S.P.C Opal 4-wall S.P.C 10	2.7	2.5	57%	60%	B,s1,d0	R _w =17 dB
S.P.C 10 with transparent Lumira™ Aerogel	1.93	ND	71%	66%	B,s1,d0	ND
Opal multi-wall S.P.C 16	2.0	1.8	54%	55%	B,s1,d0	R _w =19 dB, R _A =19 dB R _{A, tr} =17 dB
S.P.C 16 with transparent Lumira™ Aerogel	1.31	ND	67%	67%	B,s1,d0	R _w =21 dB, R _A =21 dB R _{A, tr} =19 dB

⁽¹⁾ Relative to the horizontal, according to §2.31 of the Th-Bat. rules.

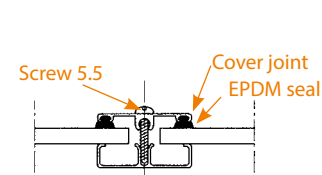
⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

⁽³⁾ Glazing insulation to airborne noise R_w, pink noise R_A (neighbourhood, airport and industrial activities) and road noise R_{A, tr} measured in the laboratory according to NF EN ISO 140.

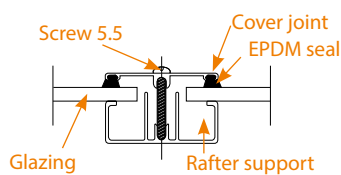
— TECHNICAL DIAGRAMS



SECTION A-A

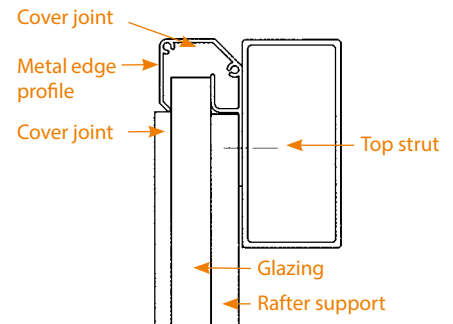


Max. chord: 1.50 m



Max. chord: 3 m

SECTION B-B



SECTION C-C

