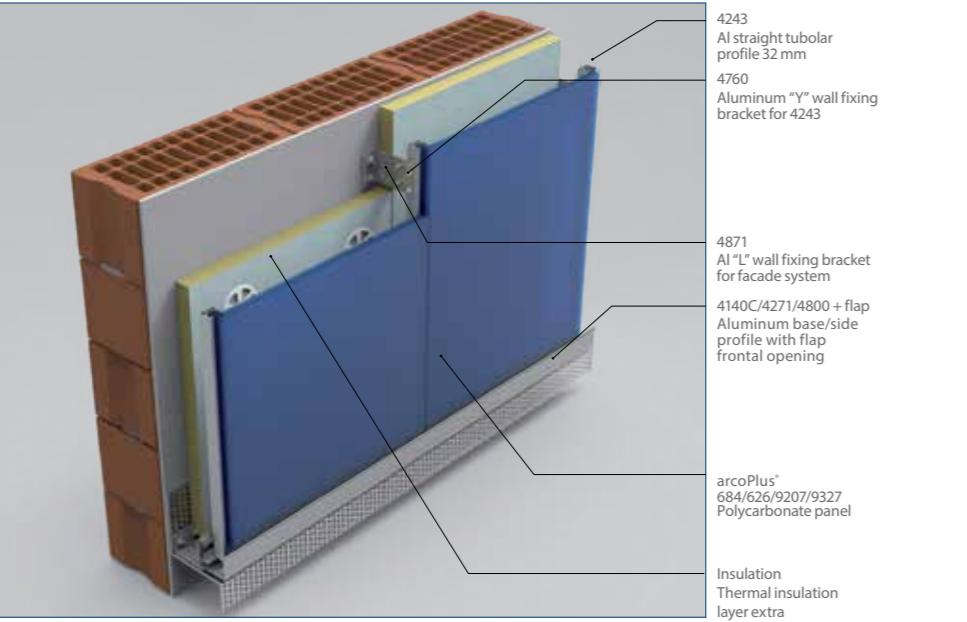
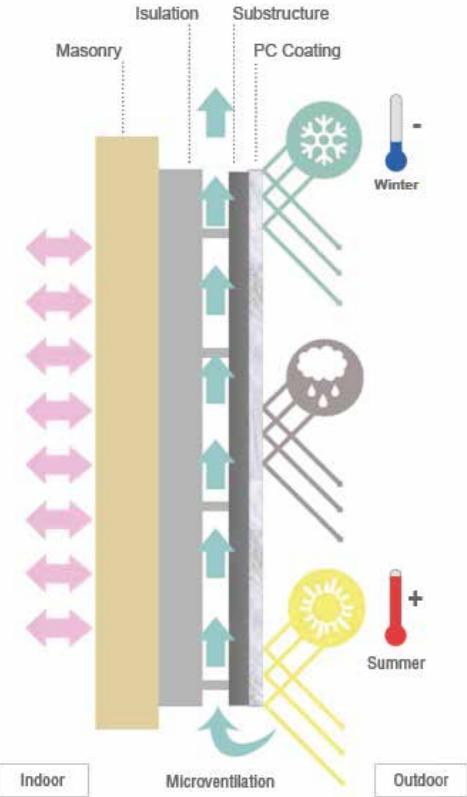


FAÇADE SYSTEM arcoPlus® VT

Created with polycarbonate panels linked together through connector joints, this system is equipped with a wide range of accessories to offer greater versatility in application. Brackets, flaps, seals, junction connectors, and frame profiles prevent water infiltration on flat, vertical surfaces no matter what the size. With the variety in treatments and colors, it is possible to customize the panel to any application need, making the VTfaçade system suitable for any design requirements.



VENTILATED FAÇADE BENEFITS



The Ventilated Façade System is an “intelligent” external envelope that optimizes the indoor environment and protects the building structure. The external cladding of polycarbonate mounted with enough space creates micro-ventilation, allowing moisture and thermal energy to escape easily with airflow. During summer months this system acts as a thermal shield, keeping inside temperatures constant and energy bills reduced. An additional insulation layer can be added between the inside cavity and the building structure during winter months. The Ventilated Façade is an alternative eco-sustainable solution for both new design projects and building redevelopment to increase aesthetic value.

healthy indoor living spaces

- masonry imperfections hidden
- dry and healthy masonry walls
- natural air-ventilation
- indoor constant temperature
- more performing coating insulation
- water-repellent outer wall cladding
- climate/living comfort

AB-ABSOLUT TREATMENT

Polycarbonate panels, used for ventilated façades construction, can be produced using the innovative AB-Absolut coextrusion process. This treatment makes opaque the side panel facing the wall, maintaining the usual polycarbonate transparency on the external side. Furthermore, there is the possibility to realize the opaque coextrusion in different colors, according to the project creativity.

SPECIAL TREATMENTS

AB ABSOLUTE

Polycarbonate panels used for ventilated façades can be produced with the innovative AB-Absolute treatment. This treatment creates an opaque surface on the side of the panel facing the masonry while maintaining the transparent effect on the outside. Customized colors can be applied to the opaque or translucent surface.

UV-TECH SOLAR EXPOSURE WARRANTY

arcoPlus® with UV-Tech Treatment is covered by an extended warranty up to 15 years. This is due to an improved UV coextrusion on the external side that is more chemically stable and effective over time. They guarantee greater protection against damage caused by extended solar radiation exposure.

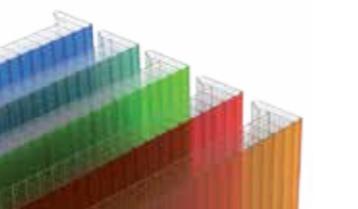
AG ANTI-SCRATCH & ANTI-GRAFFITI

For locations where polycarbonate panels are at risk for vandalism such as spray paint or surface scratching, AG-Anti-graffiti coating is the solution. AG is a coating applied to polycarbonate to create an anti-scratch and anti-graffiti surface to repel oil and water so that it cannot penetrate into the substrate allowing for easy removal.



BC BICOLOR ONE PANEL | TWO COLORS

The arcoPlus® panels can be produced with two different color layers to ensure long-lasting external color retention. This product makes it possible to maintain a visual comfort with light diffusion in the indoor environment, while also having an attractive outdoor façade full of bright



IR

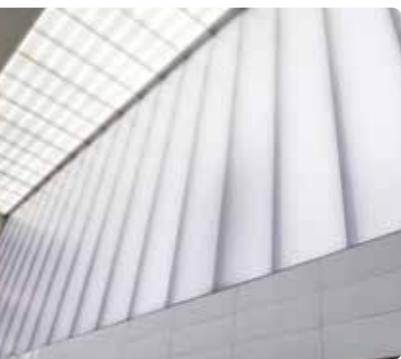
IR SOLAR CONTROL

IR treated panels can absorb portions of sun rays within infrared spectrum (780-1400nm), blocking out solar heat while bringing in light. This product can reduce the internal increase in temperature caused by the greenhouse effect by up to 25%, to help keep a comfortable indoor climate.

UV

UV-MATT ANTI-REFLECTIVE LIGHT DIFFUSION

UV matt is UV ray protection with a matt finish coextruded into the external surface of the panel. This coextrusion gives your project a non-reflective surface you would have with transparent building envelopes. This process allows the diffusion of light through its surface, while getting rid of sun glares and reflections.



arcoPlus®
VT facade

Modular connector system for multiwall polycarbonate

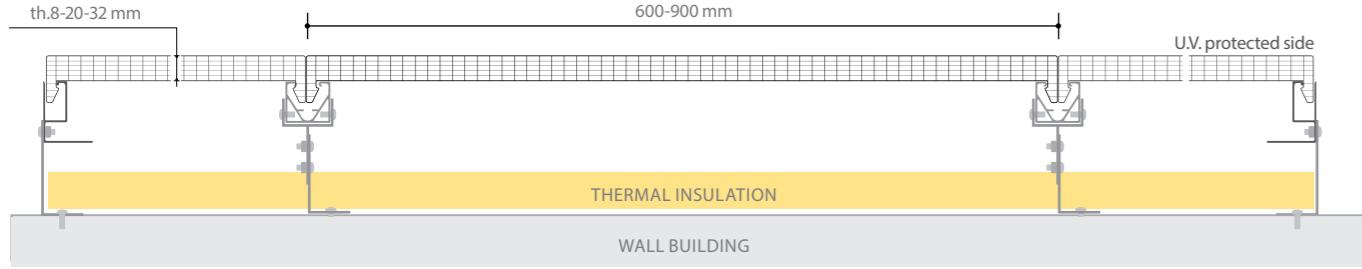
LIVING COMFORT
Curtain wall cladding
Ventilated façade

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POLYCARBONATE SYSTEMS & SHEETS

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POLYCARBONATE SYSTEMS & SHEETS



Modular connector system composed of UV protected multiwall polycarbonate panels for façade installation and wall cladding

SPECIAL TREATMENTS



APPLICATIONS

- Curtain wall cladding
- Ventilated façade

CERTIFICATIONS



Document Technique d'Application n°2/13-1551 published on 14th 08/2013



PRODUCTION STANDARDS

Panel	684	626	9207	9327
Thickness (mm)	8	20	20	32
Structure (walls)	4	6	7	7
Effective modular width (mm)	600	600	900	900

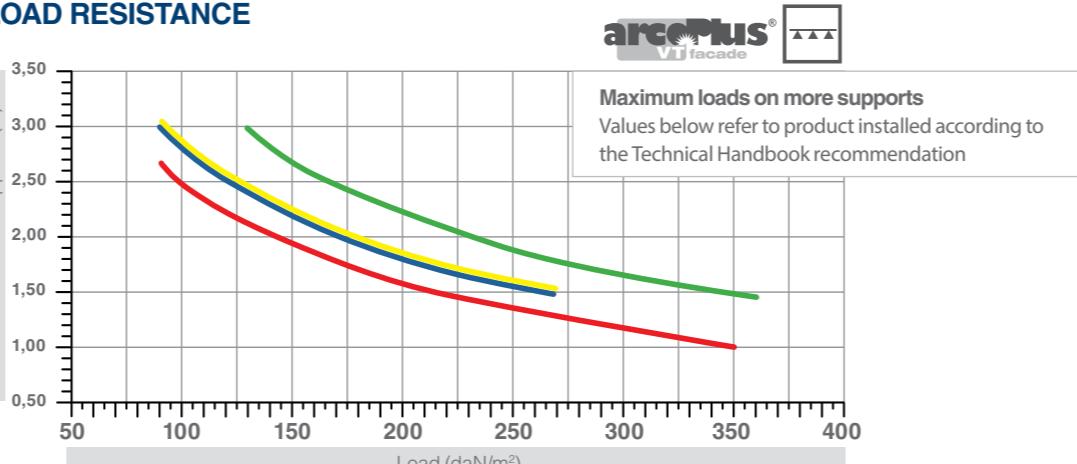
TECHNICAL FEATURES

Thermal transmittance U (W/m ² K)	3,0	1,7	1,7	1,3
Linear thermal expansion	0,065 mm/m°C			
Temperature range	-40°C	+120°C		
UV rays protection	Coextrusion			
Fire reaction EN 13501-1	EuroClass B-s1,d0			

DESCRIPTION

ArcoPlus®VT is a modular system specially designed for façade cladding and ventilated façades. It can be composed of four different types of modular multiwall polycarbonate panels 8, 20, or 32mm thick and 60 or 90 cm wide. The system is also equipped with both aluminum frame profiles and polycarbonate corner profiles to create a secure protective envelope for all kinds of buildings.

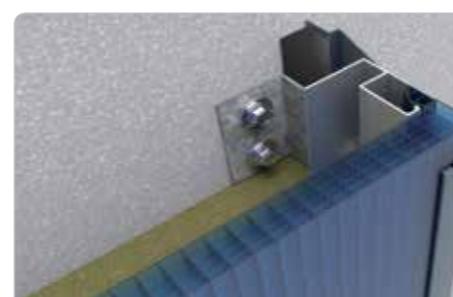
LOAD RESISTANCE



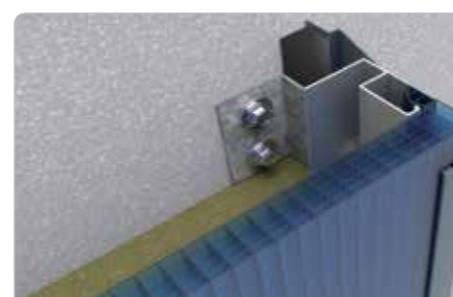
INSTALLATION DETAILS



JUNCTION OF ADJACENT PANELS
Paneling fixes(connects) to the masonry wall and secures to fit insulation material and allow air-circulation



SEAMLESS CONTINUITY FOR WALL-CORNERS
Polycarbonate corner profile fixed (fixes) to the appropriate anchored aluminum profile at wall corner

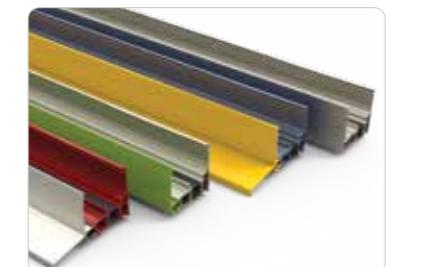


CLOSURE OF CLADDING SIDE
Suitable for fixing (connecting) the paneling and side-ending with Al terminal profile



DETAIL OF CLADDING BASE INSTALLING
Installation of profile 4271 creates a façade base-support using 20mm thick panels

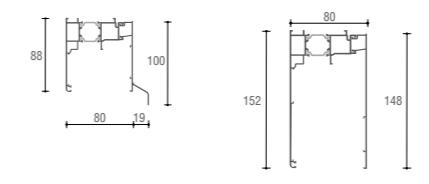
ALUMINUM PROFILES



PROFILS WITH DIFFERENT COLORS
Diversify the color between the inner and outer side of wall paneling



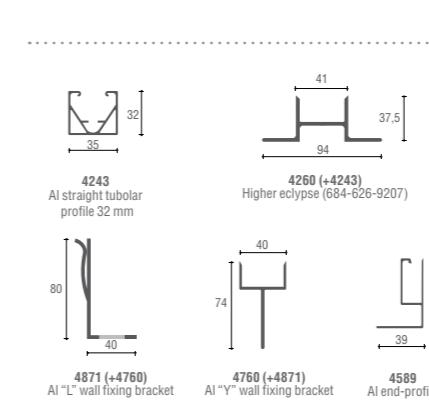
DIFFERENT TYPES OF FACE FLAP
Curved and straight shapes



4800 + 4819
Al upper profile with thermal break + straight flap with drip sill

4802 + 4803
Al upper snap profile with thermal break + straight flap for oversize heights

4808 + 4808
Al horizontal joining profile with thermal break + straight flap for oversize heights



ACCESSORIES

2147 th.8 mm	4802+4803 th.32 mm
2179 th.20 mm	Al upper snap profile with TB for oversize heights with special straight flap for 9327 panel
2710 th.32 mm	PC starter profile
2148 th.8 mm	4805+4808 th.32 mm
2180 th.20 mm	Al horizontal joining profile with TB for oversize heights with straight drip sill flap for 9327 panel
2712 th.32 mm	PC terminal profile
4589	Al end profile
42550	Al base/side snap profile for th.8 mm
4140/C (+flap) th.8 mm	Al base/side snap profile for th.8 mm
4899 th.32 mm	Al rear pad
4760	Al 'Y' wall fixing bracket for connector 32 mm (+4243+4871)
4871	Al 'L' wall fixing bracket for facade system (+4760)
4260	Higher eclipse +4243 (684-626-920)
4870	Lower eclipse +4243 (9327)
1169/B	Slip-coat rubber seal strip
1169/B/AGS	Overlap Slip-coat seal strip
4213 size 40x35x580	
4465 size 50x35x875	
LPDE foam pad	
4970/600 - th.8 mm	
4974/600 - th.20 mm	
Al closing edge strip drip-free	
4974/900 th.20 mm	
4976/900 th.32 mm	
Al closing edge strip drip-free	
1372	Internal PE base dripping eave (+4800)
4828	Flat plain aligner
4807 (+4800)	Al base curved flap with drip sill
4327/4950	Taping surcharge