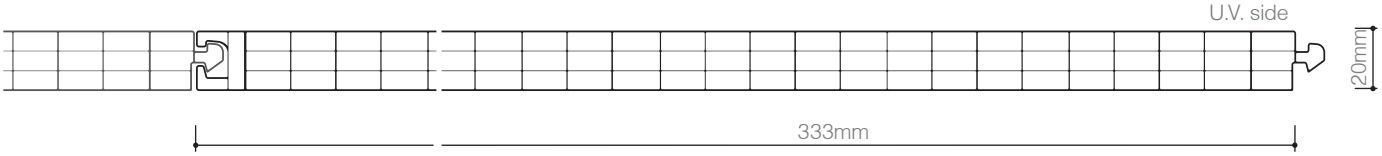
arcoPlus® 324

## PROFILE




# Modular system of UV protected multiwall polycarbonate for translucent curtain walls and glazing applications

Caleido
LIGHT MANAGEMENT

## PRODUCTION STANDARDS

| | |
|---|---|
| thickness | 20mm |
| structure | 4 walls |
| effective modular width | 333mm |
| panel length | no limit |
| colours available | see page 11 |

## TECHNICAL FEATURES

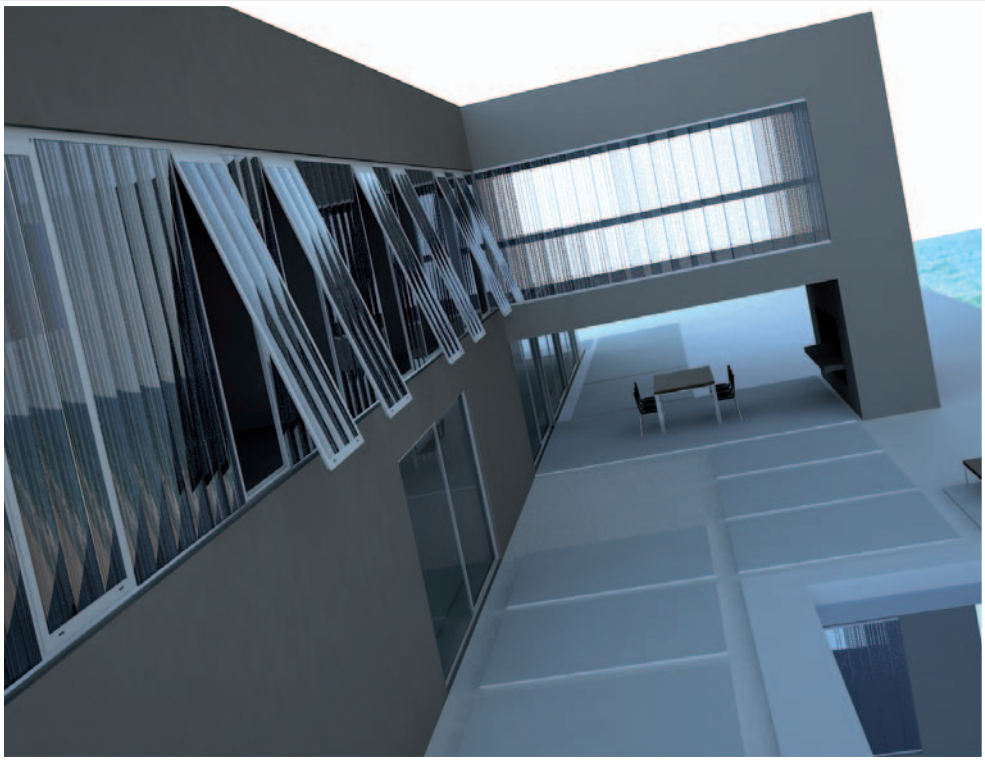
| | |
|---|---|
| Thermal insulation | 1,8 W/m²K |
| Acoustic insulation | 16 dB |
| Linear thermal expansion | 0,065mm/m°C |
| Temperature range | -40°C +120 °C |
| U.V. rays protection | Coextrusion |
| Fire reaction EN 13501 | EuroClass B-s1,d0 |

## DESCRIPTION

arcoPlus®324 is a modular system of coextruded 4 walls polycarbonate panels with a thickness of 20mm, aluminium profiles, accessories and opening windows, designed for simple and versatile use.
arcoPlus®324 is not suitable for roofing applications.

## ADVANTAGES

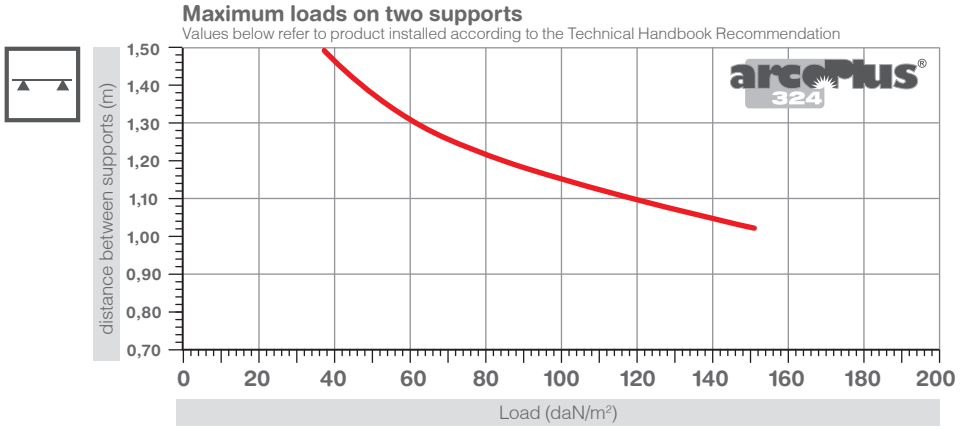
- Easy and low-cost installation
- Light transmission
- Resistance to U.V. rays and to hail
- Heat insulation

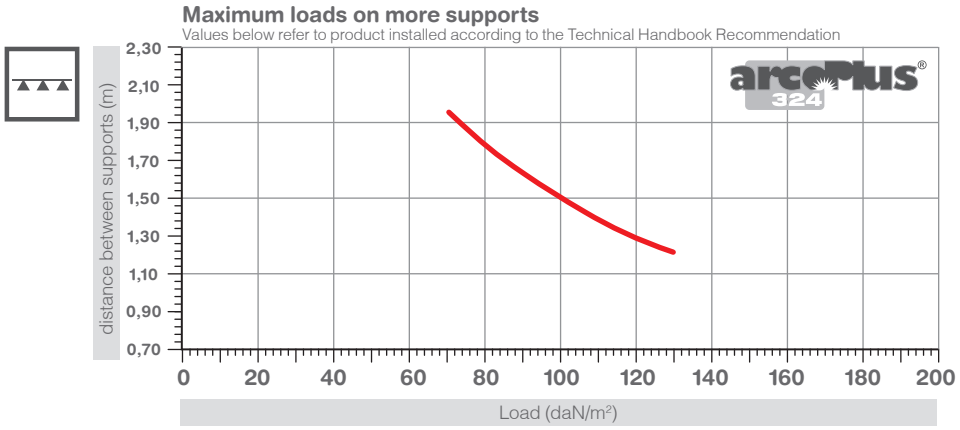


## APPLICATIONS

- Vertical windows

## LOAD RESISTANCE



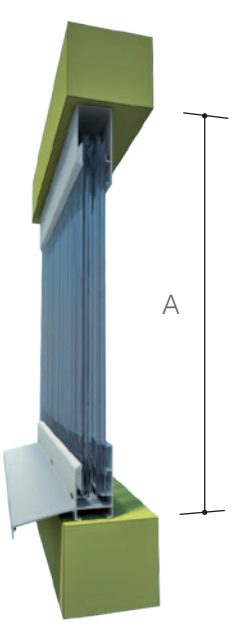




## EASY AND LOW-COST INSTALLATION

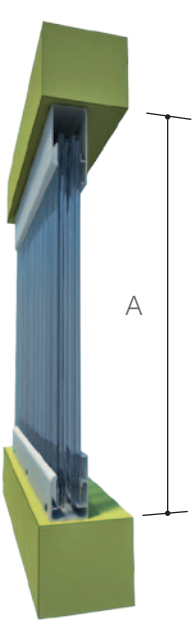
The 20mm-thick, 4 walls structure with tongue and groove connection gives the panels remarkable flexural strength. It also allows the panels to be installed without the use of metal reinforcement frames, thus eliminating heat loss due to the thermal bridges caused by these structures.
The modular connection ensures a watertight seal for glazing with an inclination of up to 30°.
For installations exceeding 1.5m, a suitable section-breaker profile must be installed to which the arcoPlus® panels can then be fixed (see load resistance graph). This is done using the specific brackets to give the system the necessary resistance to negative wind load and permit sliding due to thermal expansion.

**INSERTION OF PLATE**
Insertion of stainless steel plates for anchorage to existing structures.

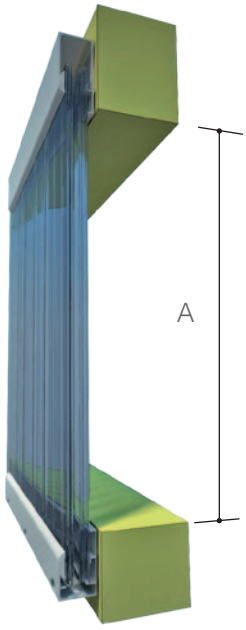
## CALCULATION AND INSTALLATION EXAMPLES OF PANEL LENGTH (PL)




**WITH EAVE**
PL = A - 50 mm
A = opening measure

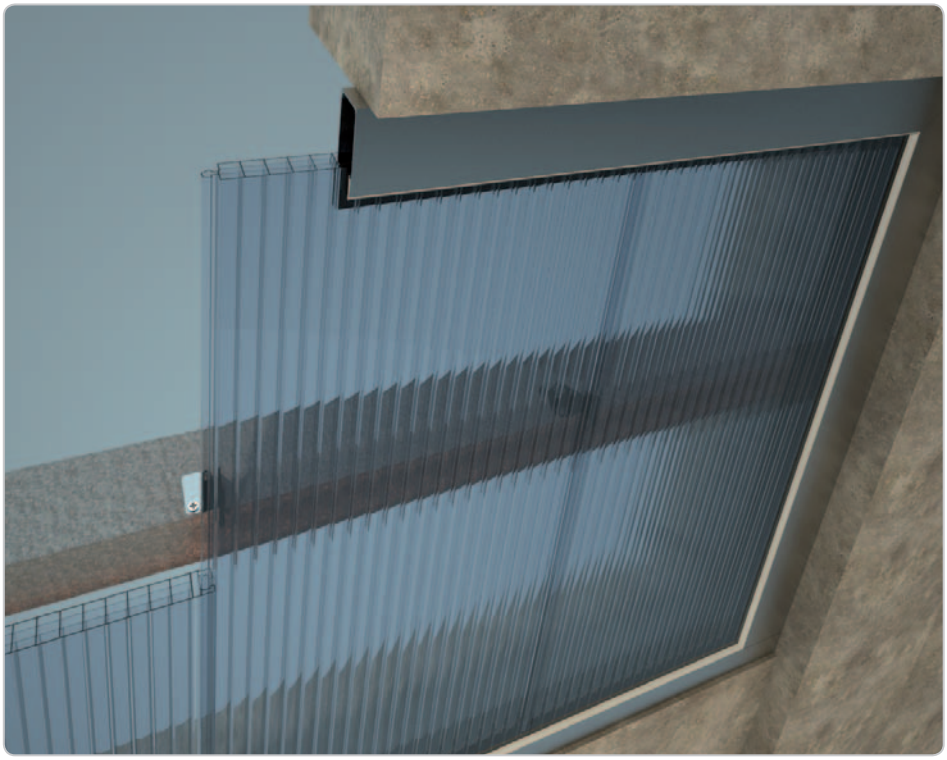



**WITHOUT EAVE**
PL = A - 40 mm
A = opening measure




**OUTSIDE OF THE BUILDING**
PL = A + 80 mm
A = opening measure

**VERTICAL GLAZING**
Construction of continuous transparent glazing, with section-breaker profile.





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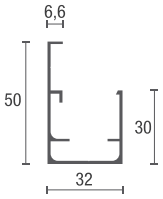
## ACCESSORIES

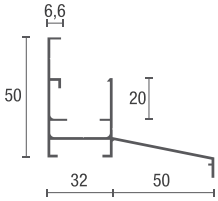
The system includes a complete range of aluminium profiles for installing the panels.
The air cells of the polycarbonate panels must be sealed using vented aluminium breather tape. This allows correct ventilation and prevents soiling on the inside.

## METAL PROFILES

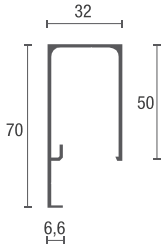
code 4062
Base AL profile

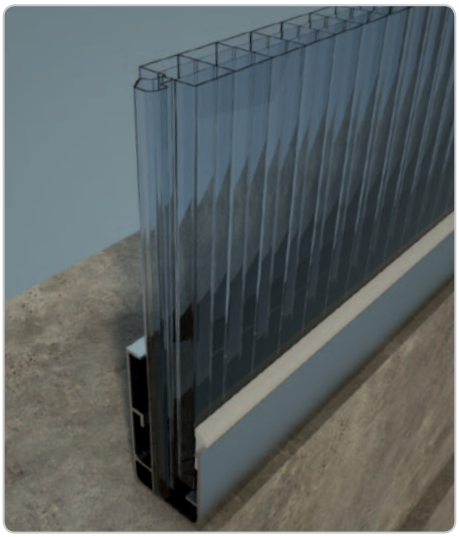



code 4064
Base AL profile
with eave




code 4061
Upper and side
AL profile

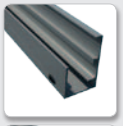


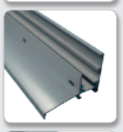
**BASE PROFILE**
Insertion of curtain wall panels on base profile, with gasket.

**VERTICAL WINDOW**
Positioning of anchor plates on section-breaker profile.

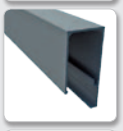
## ACCESSORIES



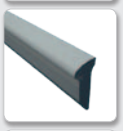
**4062**
Base AL profile



**4064**
Base AL profile
with eave

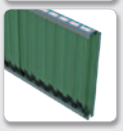


**4061**
Upper and side
AL profile



**1169/B**
Slip Coat Gasket

**4063**
Link plate



**4066**
Additional sealing tape