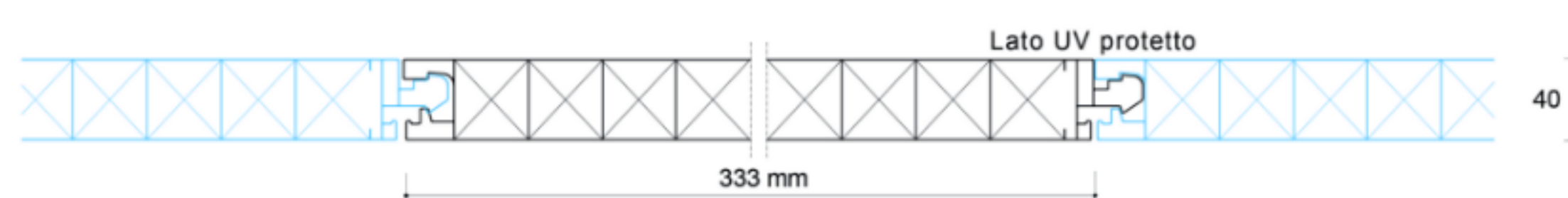
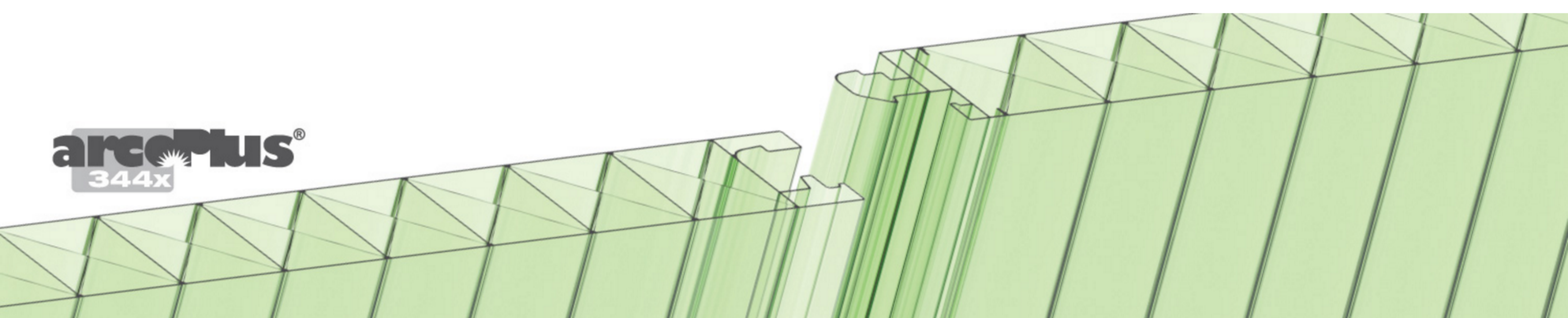


arcoPlus®344X



Modular system of multiwall UV protected polycarbonate for windows and translucent roofing applications

arcoPlus®344x is a modular system used in the residential and industrial building sectors. It is suitable for use in new buildings and for renovation and maintenance projects. The system consists of coextruded 4 walls polycarbonate panels with a thickness of 40mm, aluminium profiles, accessories and opening windows, designed for simple and versatile use. arcoPlus®344x can be used for roofing applications with a minimum slope of 7%.



Features

Advantages

- Easy and low-cost installation
- Light transmission
- Resistance to UV rays and to hail
- Thermal insulation
- High load resistance

Applications

- Vertical window
- Translucent façade insert
- Roofing

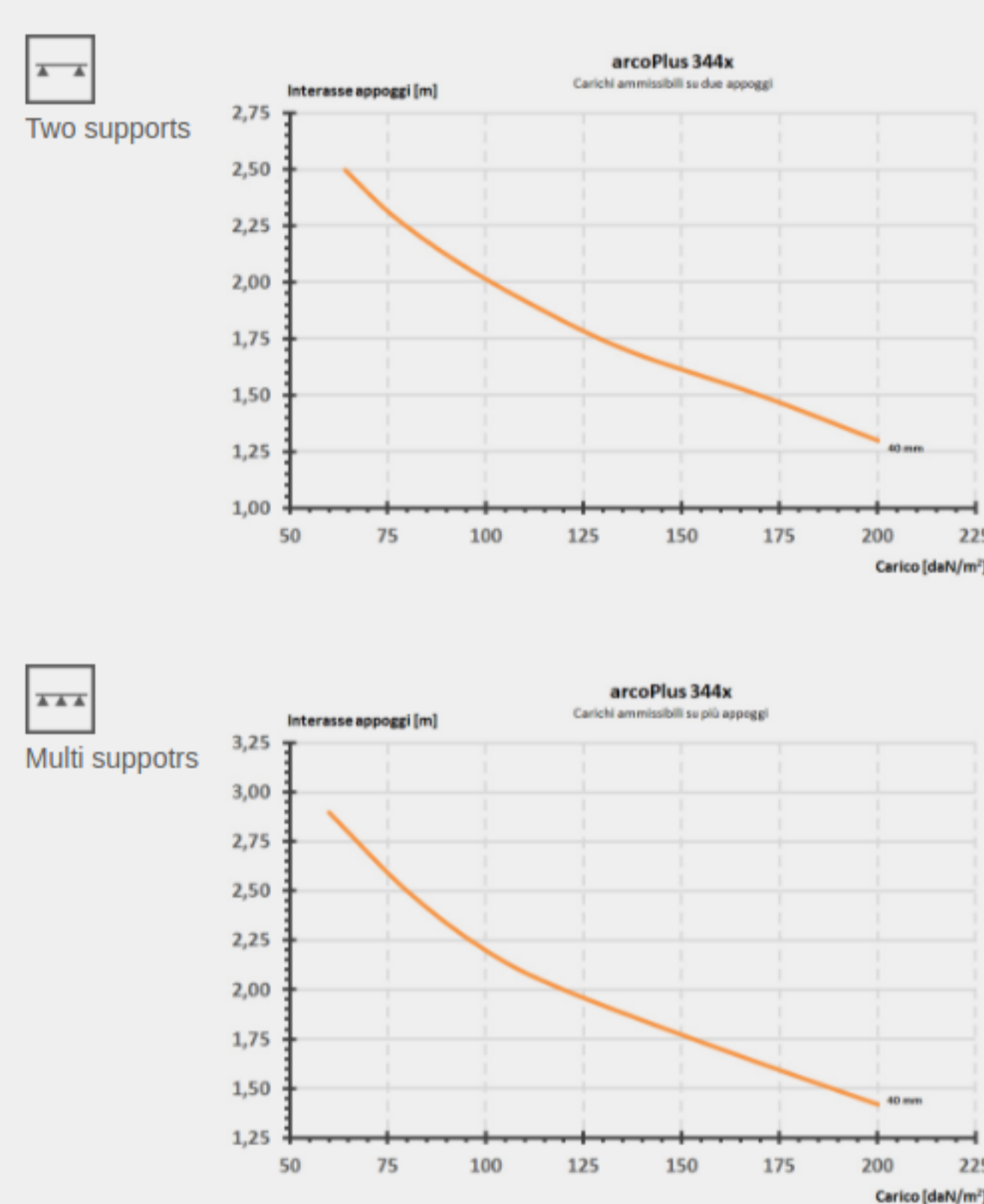
Production standards

Thickness	40mm
Structure	4 walls
Effective modular width	333mm
Panel length	No limits
Available colors	See page 11

Features

Thermal insulation	1,7 W/m ² K
Acoustic insulation	19 dB
Linear thermal expansion	0,065mm/m°C
Temperature range	-40°C +120 °C
U.V. rays protection	Coextrusion
Fire reaction EN 13501-1	EuroClass B-s1,d0

Load resistance



Certifications

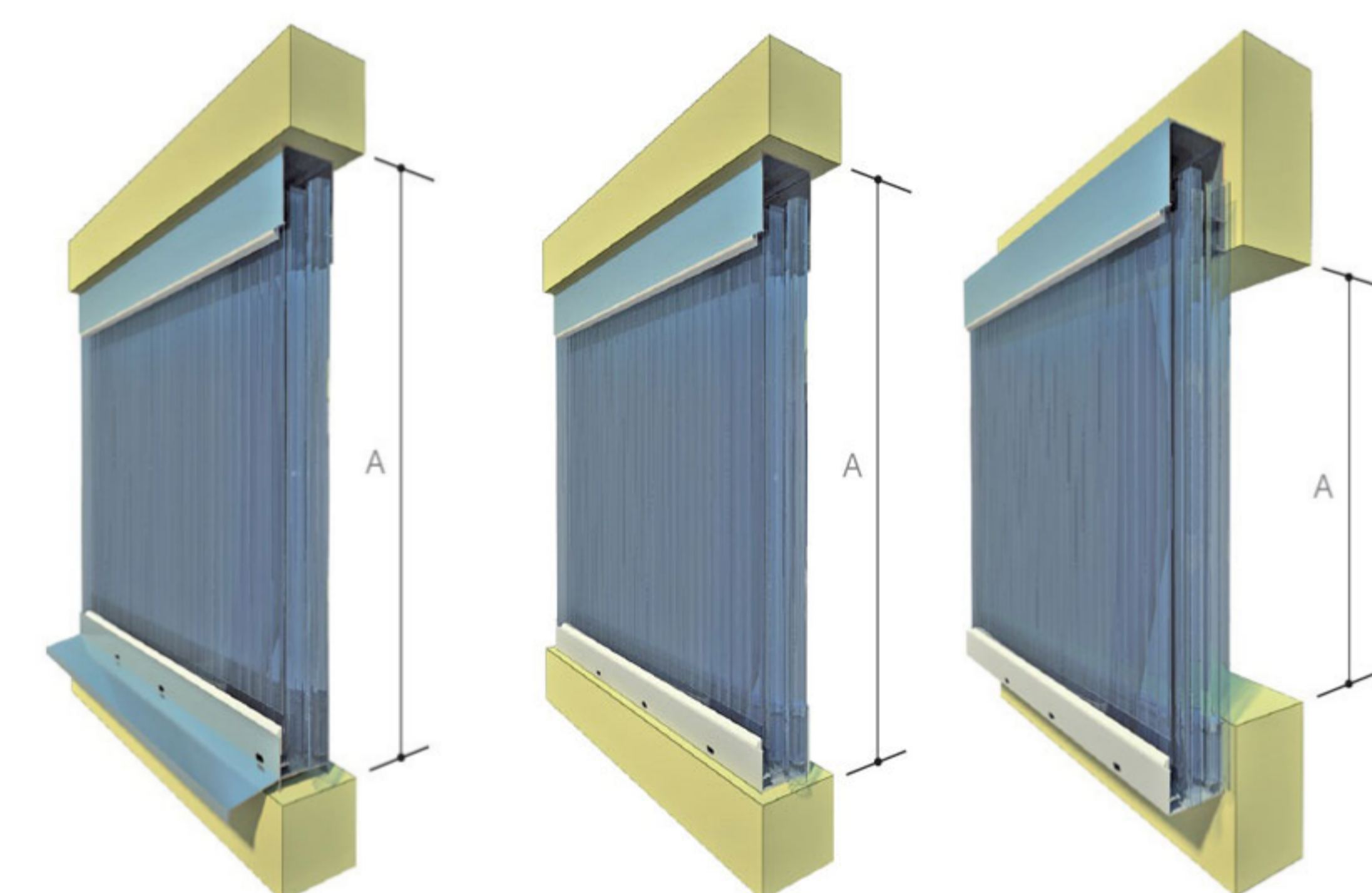


Special treatments



Easy installation

The 40mm-thick, 4 walls design 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 (continuous windows), thus eliminating heat loss due to the thermal bridges caused by these structures (discontinuous windows). For installations exceeding 2.2m, a suitable section-breaker profile must be installed to which the arcoPlus® panels can then be fixed. 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 (see load resistance graph).



WITH EAVE

LP = A - 50 mm
(base profile without TT)
LP = A - 70 mm
(base profile with TT)
A = opening measure

WITHOUT EAVE

LP = A - 45 mm
(base profile without TT)
LP = A - 60 mm
(base profile with TT)
A = opening measure

OUTSIDE OF THE BUILDING

LP = A + 95 mm
(profili senza taglio termico)
A = misura luce

Assembly details



Detail of curtain wall, insertion in base profile

Insertion of aluminium plates for anchorage to existing structures

Opening systems

The arcoPlus® panels are accompanied by a wide range of accessories which allow to create fixed vertical curtain walls, moreover these products have been designed to realise windows with integrated opening systems to be inserted in horizontal shed-window or into curtain translucent wall. Please, consult the appropriate site-section to have more specific information.

Accessories

