

**arcoPlus®**  
DB connect

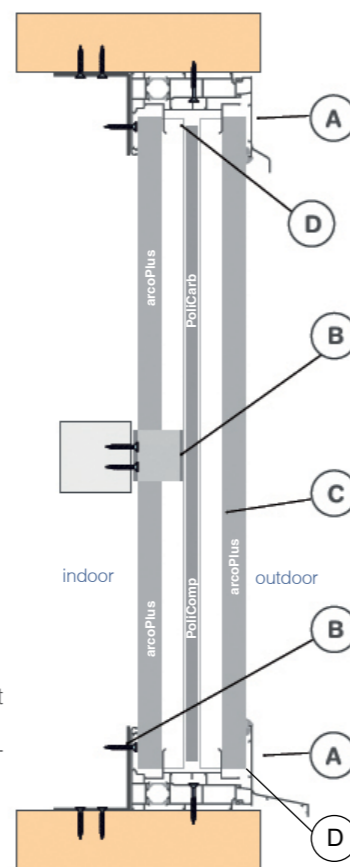
## High energy performance so far unthinkable with polycarbonate translucent walls



The arcoPlus®DBconnect system is specially designed to create high-performance vertical translucent applications, using two arcoPlus® PC panels joined together by a special click-fit connector profile that allows to create a double/triple wall having one/two interspaces. It can be made up of several arcoPlus® panel types depending on the purposeful use, nevertheless it's mainly promoted in 3 standard configurations (shown in this flyer). Thanks to its multiwall structure, arcoPlus®DBconnect is the ideal solution for realizing translucent extensive façades that may offer great benefits in terms of thermal insulation. The connector profile was developed in two versions, polycarbonate version and aluminum one, in order to meet customized requirements regarding light transmission or load resistance. In addition, the not-drilling fix systems allow to not pierce any panel, ensuring both aesthetic and functional advantages, such as free panel expansion.

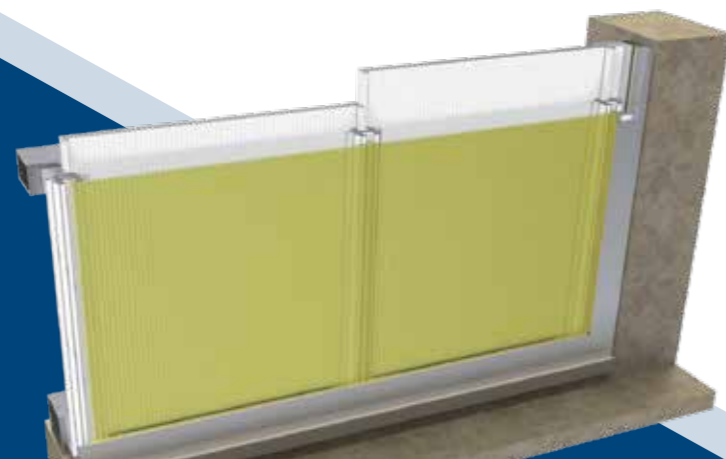
### WALL SYSTEM

- A) Aluminum frame profile with thermal break. (4274/4832/4846+flap)
- B) Aluminum fixing accessories for anchoring the translucent paneling to the rear supporting substructure.
- C) Translucent multilayers façades assembled using Double-Connector elements to joint panels to each-other or to start/terminal PC profiles.
- D) Placement of micro-perforated tape for wrapply top and bottom panel sides to close positioning the air channels.



### TRIPLE LAYER FOR A SINGLE WALL

arcoPlus®DBconnect is suitable for large translucent modular walls, ensuring high thermal and acoustic insulation performance. For improving this feature, the system can be customized by adding a third translucent inner layer consisting of PoliCarb® (polycarbonate multiwall sheets) or PoliComp® (solid sheets) having 8 or 10 mm thickness depending on what kind of Double Connector profile was chosen between PC or AI version.

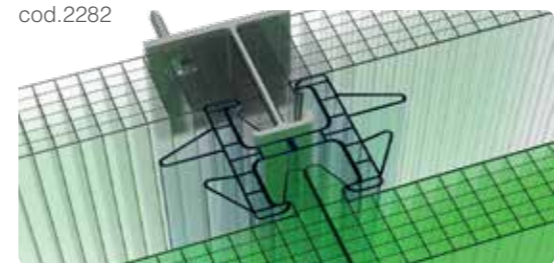


### LOAD RESISTANCE

The choice of using the polycarbonate profile or the aluminum one depends on both the project requirements and the installation's environment. Where high wind resistance is required, the AI version is recommended; while the PC solution is preferred for ensuring better thermal insulation.

### POLYCARBONATE CONNECTOR PROFILE AESTHETIC HOMOGENEITY

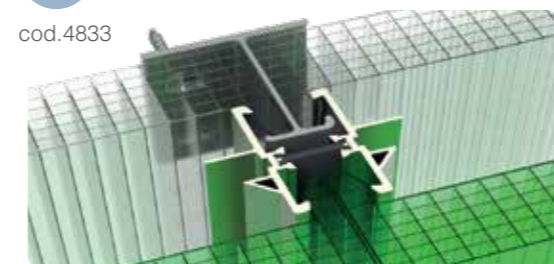
cod.2282



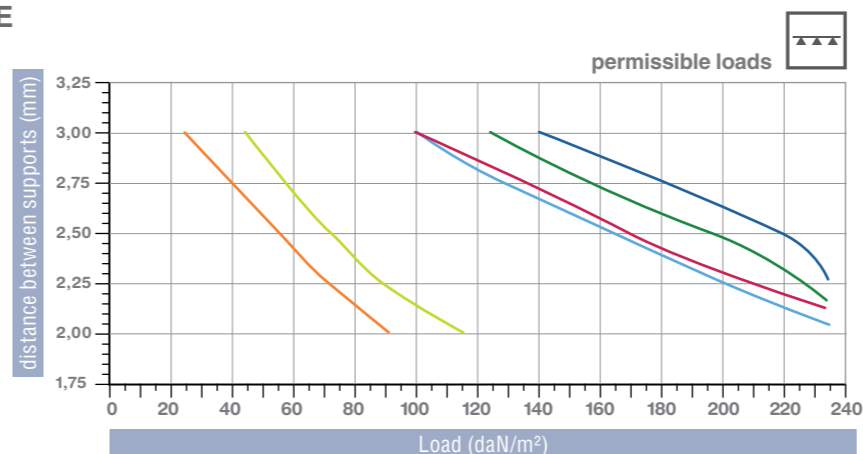
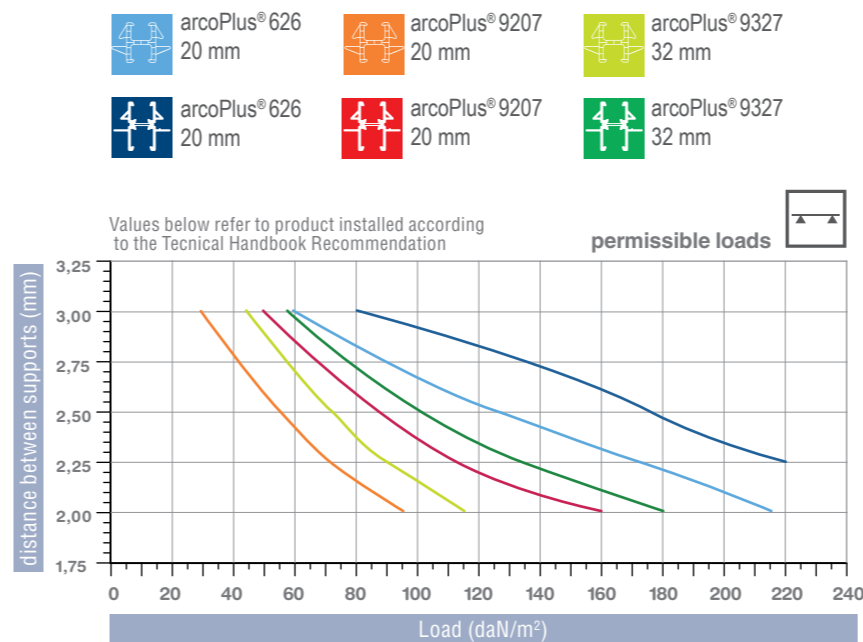
Using the double polycarbonate connector cod.2282 the thermal dispersion of transparent façade is considerably reduced and, at the same time, the aesthetic harmony coming from the homogeneous transparency is guaranteed even for large surfaces. The distance between the fixing points on the supporting substructure should be approximately 2 meters.

### ALUMINUM CONNECTOR PROFILE MECHANICAL RESISTANCE

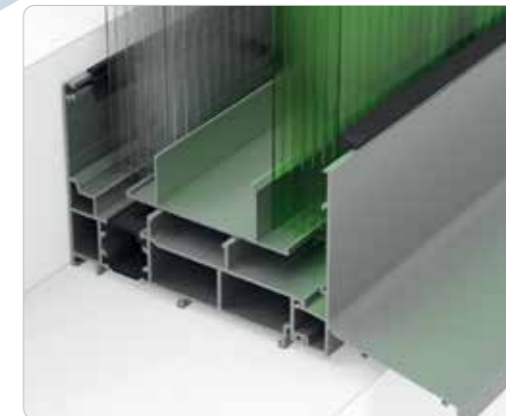
cod.4833



The system built with aluminum connector cod. 4833 is characterized by better mechanical resistance, allowing greater distance up to 3 meters between fixing points on the supporting substructure.



## ACCESSORIES

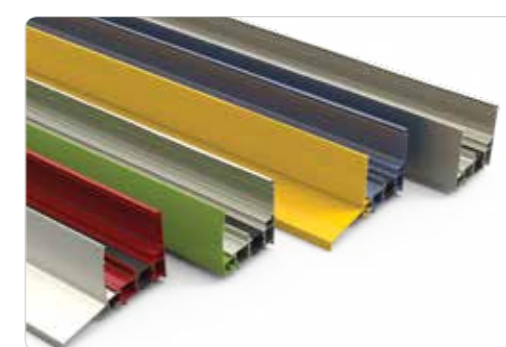


### MOUNTING OF BASE PROFIL cod.4807

Thanks to the modularity of frame profiles 4274/4832/4846, it is possible to choose both the shape and the color of front side flaps, maintaining their functionality: most versions can be provided with curved or straight silhouettes, depending on architectural needs. In addition to standard anodized finish surface, the profiles can be painted by infinite colors. Moreover, the accessories' interchangeability allows to diversify the color between the indoor and the outdoor window side by giving two different nuances on base profile (visible into indoor environments) and on flap (exposed to outside).

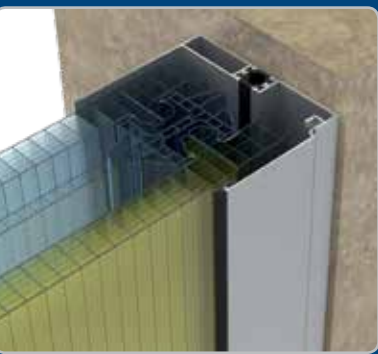


### DIFFERENT FACE FLAP TYPES with straight or curved shape



### DIFFERENT COLORS AND PROFILES to differentiate indoor and outdoor window's design

The DBconnect system provides a complete set of aluminum profiles and PC elements to meet all installation requirements. In addition, it is recommended to close the panel side air-channels using micro-perforated aluminum adhesive tapes, which allow the correct condensate evaporation and prevent the internal accumulation of dirt and dust.



SIDE PROFILE cod.4274

- 4846**  
Al base/side/upper profile with TB th.20+20 mm
- 4832**  
Al base/side/upper profile th.32+32 mm
- 4809 (+4832/4846)**  
Al base/upper/side straight flap
- 4831 (+4832/4846)**  
Al base straight flap with drip sill
- 4819 (+4832/4846)**  
Al upper straight flap with drip sill
- 4804 (+4832/4846)**  
Al base/upper/side curved flap
- 4807 (+4832/4846)**  
Al base curved flap with drip sill
- 4801 (+4832/4846)**  
Al upper curved flap with drip sill
- 4274**  
Al base/side/upper profile for Double Connector
- 4755 - h.30 | 4742 - h.60 | 4743 - h.75 | 4275 - h.100**  
Al flaps (30,60,75,100 mm)
- 4803 (+4832/4846)**  
Al straight flap profile with drip sill for oversize heights
- 4844**  
Butterfly inner spacer for th. 20+20 mm
- 4722 - arcoPlus 626 | 4723 - arcoPlus 9207/9327**  
Al spacer
- 1373**  
Internal PE base dripping eave for 32+32 mm
- 2282**  
Polycarbonate Double Connector
- 4833**  
Aluminum Double Connector
- 2179 th.20 mm | 2710 th.32 mm**  
PC started profile
- 2180 th.20 mm | 2712 th.32 mm**  
PC terminal profile
- 2550**  
PC corner 90° cover profile
- 4588 (+2550) th.20 mm | 4740 (+2550) th.32 mm**  
Al corner profile
- 1169/B**  
Slip-coat rubber seal strip
- 1169/B/AGS**  
Overlap Slip-coat seal strip
- 4328 th.20 mm | 4712 th.32 mm**  
Flat fastening Al bracket
- 4263**  
Flat fastening stainless steel bracket
- 4828**  
Flat plain aligner
- 4329**  
Single-side self-adhesive PE-LD seal strip 4x15 mm
- 4327 th.20 mm | 4950 th.32 mm**  
Taping surcharge
- 1374**  
Internal PE base dripping eave for 20+20 mm