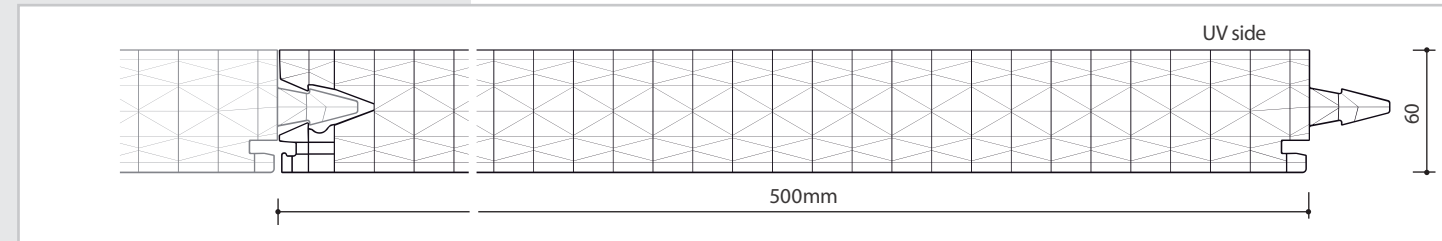




PROFILE



Modular system of multiwall UV protected polycarbonate for vertical translucent walls



LIGHT MANAGEMENT



PRODUCT AVAILABLE WITH IR AND AR TREATMENT



15 YEAR WARRANTY

ADVANTAGES

- Easy and low-cost installation
- Thermal bridge interruption
- Can be applied to the openable systems
- Light transmission
- High insulation coefficient
- High wind resistance
- Fire reaction EN 13501 EuroClass B-s1,d0

APPLICATIONS

- High-performance continuous facades
- Vertical windows
- Translucent curtain walls

PRODUCTION STANDARDS

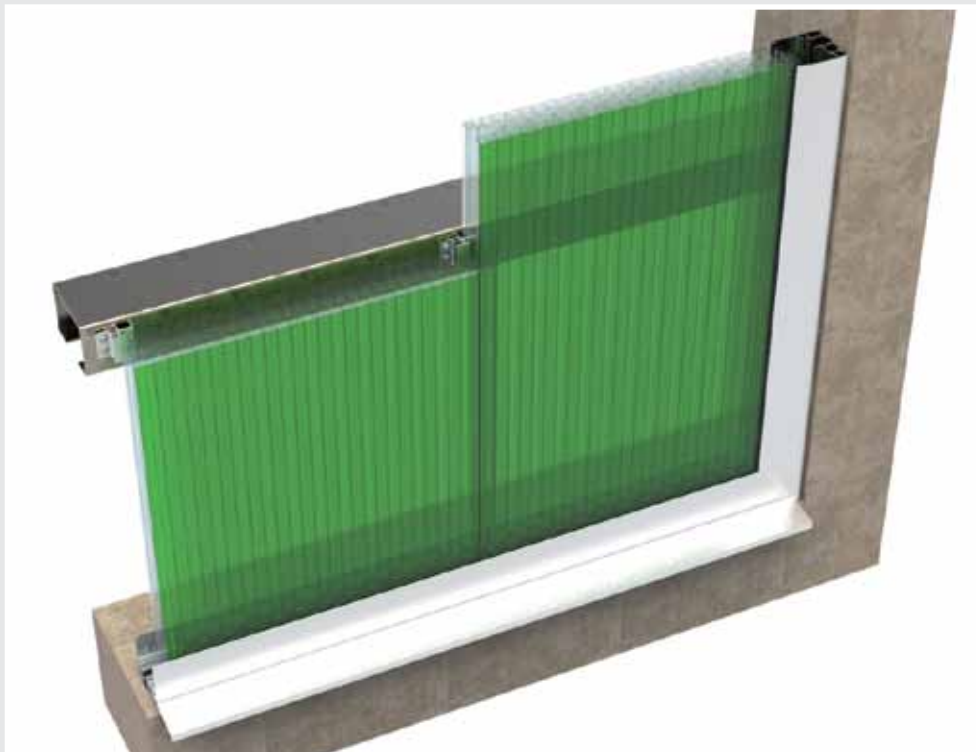
Thickness	60mm
Structure	13 walls
Modular width	500mm
Panel length	no limits

TECHNICAL FEATURES

Thermal insulation	0,7 W/m ² K
Acoustic insulation	22 dB
Linear thermal expansion	0,065mm/m°C
Temperature range	-40°C +120 °C
UV rays protection	Coextrusion
Fire reaction EN 13501	EuroClass B-s1,d0

DESCRIPTION

arcoWall® 5613 is a modular system of coextruded 13 walls polycarbonate panels with a thickness of 60mm, and exclusive aluminum profiles for variable solutions that can be customized for the needs of any project. The self-bearing translucent walls system, arcoWall® 5613, comes from the experience of over 50 years of our company. We are constantly engaged in exploring alternatives in the building market as well as the creation of unique and innovative systems.



WALL SYSTEM

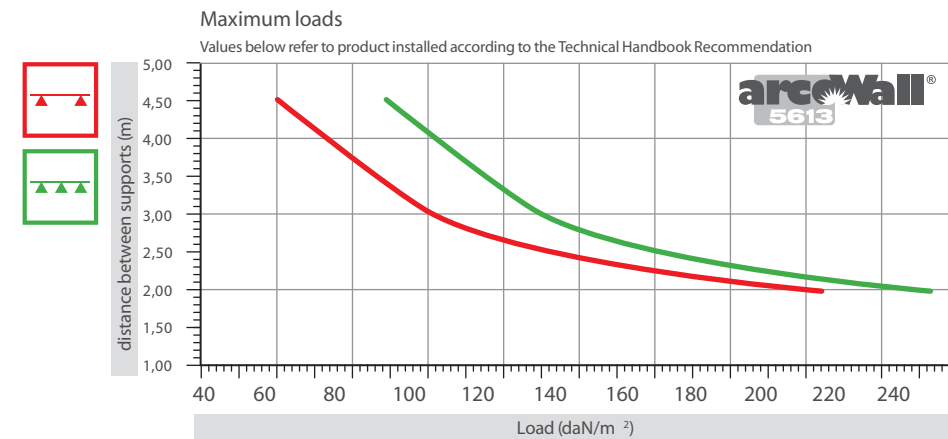
arcoWall® 5613 allows the realization of real "translucent walls" with high thermal and acoustic characteristics without width limits and without the need for secondary support structures for spans up to 3.5m in height. Thanks to the multiwall structure of the modular panels, the aesthetic appearance, both in the presence of backlight and of grazing light, is extremely unique.

The chromatic effects can be modulated endlessly in terms of coloring and of light transmission. The external and internal surfaces can be of different colors, which allows managing the light filter according to the needs of natural lighting. The inner surface can be coextruded with an anti-reflective treatment, which is highly effective in reducing the unpleasant effects of artificial light reflections.

UV RAYS PROTECTION

The exterior surface of the panel arcoWall® 5613 is co-extruded with high-performance UV-absorbing polycarbonate, that ensures greater assurance of durability, mechanical, and optical properties over time.

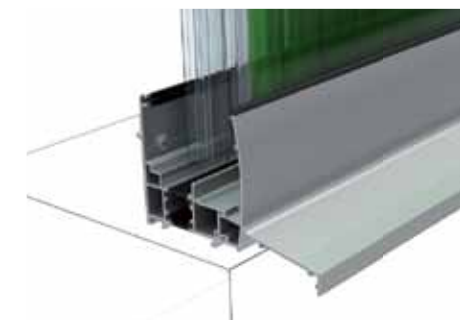
LOAD RESISTANCE



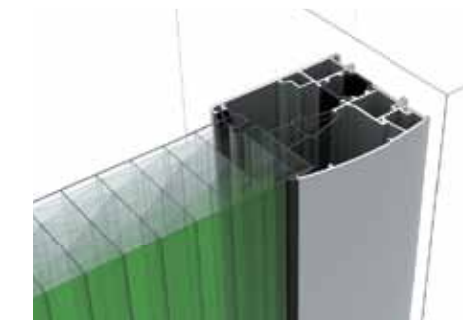
DESIGN AND EASY INSTALLATION

The 60mm-thick, 13 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, thus eliminating heat loss due to the thermal bridges caused by these structures.

For installations exceeding 3.5m, a suitable section-breaker profile must be installed to which the arcoWall® 5613 panels can then be fixed. It 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).



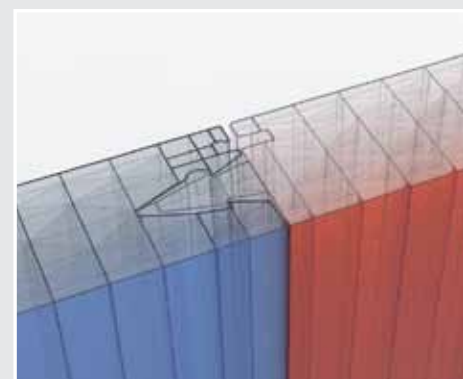
BASE PROFILE DETAIL
Removable base profile with thermal break



SIDE PROFILE DETAIL
Vertical glazing detail with the profile with thermal break

THE TECHNOLOGY OF DUAL COLOR

The new extrusion technology with dual color satisfies the chromatic needs of a project and at the same time regulates the light transmission to recreate particular indoor settings.

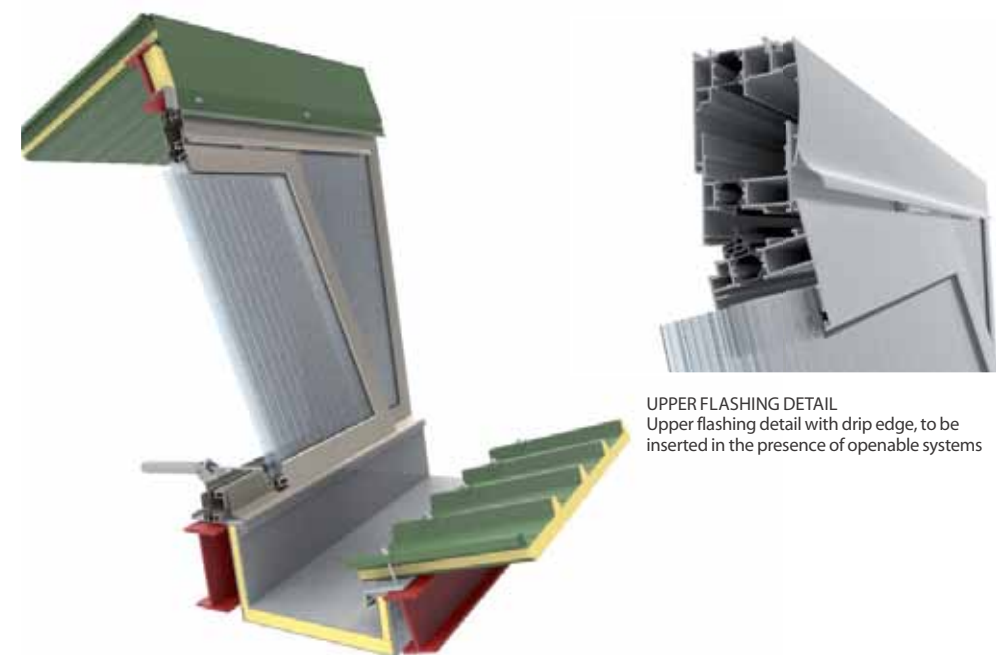
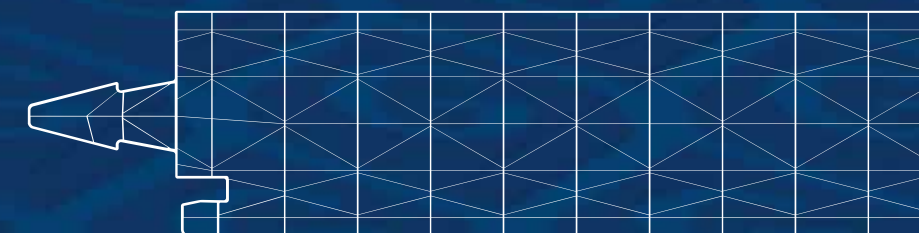


DUAL COLOR SYSTEM
The new dual color extrusion technology allows the replication of particular indoor settings by regulating light transmission



arcoWall 5613

WALL SYSTEM OF MULTIWALL POLYCARBONATE



UPPER FLASHING DETAIL
Upper flashing detail with drip edge, to be inserted in the presence of openable systems

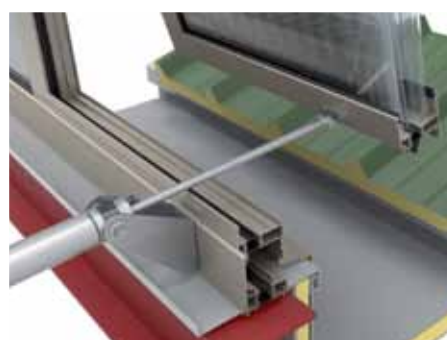
OPENABLE SYSTEM WITH THERMAL BREAK

In order to ensure maximum thermal insulation and respect for the Window-to-Wall Ratio (WWR), there are available openable systems arcoWall 5613 realized with innovative aluminum profiles with thermal break.

The air cells of the polycarbonate panels are sealed using vented aluminum tape. The vented aluminum tape allows correct ventilation and prevents soiling on the inside of the panels.









PROFILES WITH THERMAL BREAK
The use of new perimeter profiles with thermal break ensures perfect sealing against atmospheric agents thus avoiding the common occurrence of heat loss



OPENABLE SYSTEM DETAIL
New aluminum profiles with thermal break allow creation of openable systems for ventilation of curtain walls

ACCESSORIES

-  **cod. 4800**
Upper and side AL profile with thermal break
-  **cod. 4801**
Drip edge AL profile for openable system
-  **cod. 4804**
Drip edge AL profile
-  **cod. 4807**
Drip edge AL profile with eave
-  **cod. 4715**
Aluminium bracket
-  **cod. 1169/b**
Slip Coat Gasket

ACCESSORIES

The system includes a complete range of aluminum profiles for installing the panels.

The air cells of the polycarbonate panels must be sealed using vented aluminum tape. This permits correct ventilation and prevents soiling on the inside of the panels.



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Polycarbonate