Modulit®

MODULAR SYSTEMS FOR WALLS

Modulit®

20 40 50 55 60

Modulit® is a polycarbonate system extruded in modular panels used for the production of translucent vertical and / or inclined walls. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit. Thereby the installation is fast and easy, even for the inexperienced in the use of modular systems. The range of accessories, consisting of outer profiles in aluminium, hooks and gaskets, making the system complete, versatile and secure.

LL XL NO UV | PLUS BICOLOR ANTIGLARE

Benefits

- **Quick and easy to assemble**
- **High temperature insulation**
- **Excellent impact resistance**
- **Good light transmission**
- **Good fire performance**
- **Certified quality guarantee**
- **UV protection**

WARRANTY G10 10 YEARS

Main advantages of Modulit® system

Impact resistance

Polycarbonate's mechanical properties make this the technopolymer with the highest impact resistance, allowing it to provide optimum protection against accidental damage and weather-related damage. These qualities mean polycarbonate significantly outperforms other materials (glass, acrylic, PET, etc.) commonly used in applications where transparency is a key requirement. Impact resistance remains constant across a particularly wide temperature range.

Thermal expansion

Thermal expansion is a characteristic property of materials that consists in their tendency to change in size as temperature increases and decreases. This expansion is quantified via a coefficient that, in the case of polycarbonate, equates to $6{,}5 \times 10^{-5}$ 1/K (0.065 mm/m°C). The fact that this coefficient value is much higher than the values associated with materials usually used for roofing and joinery (aluminium, steel, etc.) generates the need for solutions that compensate for this difference in thermal expansion, which thus needs to be factored in at the design stage and in all building applications.

Light transmission

Proper lighting design entails ensuring that the building interior receives the required amount of light. So it is clearly important to use sheets that let enough light through. The **Modulit®** product range gives you plenty of choice at the design stage of your project, with an array of colour options to meet your every need.

Warranty

Sheets with UV protection offer a 10-year warranty against yellowing, loss of light transmission and hail damage. Our sales department will be happy to provide you the exact warranty terms.

Fire behaviour

Fire safety is a fundamental necessity. **Modulit®** panels are tested in independent qualified laboratories on the basis of current applicable regulations in the construction industry. Our offices are at your disposal to provide you with details regarding the available certificates.

Thermal transmittance

Thermal transmittance, or U-value, is the mean flow of heat per m^2 that passes through a structure (the polycarbonate panel) separating two environments with different temperatures (usually separating a heated or air-conditioned room from outdoors). The lower this value, the more effective the insulation offered by the panel. With a view to reducing heating/air-conditioning costs - with a consequent reduction in harmful emissions into the atmosphere - international standards require both building materials and fenestration systems to meet ever-stricter thermal transmittance requirements. With its extensive range of multiwall panels, **Stabilit Suisse** is at the cutting edge when it comes to providing its customers with the most appropriate solutions in compliance with current standards.

UV protection

Our co-extruded UV-protected layer blocks damaging UV rays that would lead to rapid degradation that causes yellowing and undermines the strength of the exposed surface. UV protection is applied using co-extrusion technology, whereby an even shielding layer can be produced to screen the polycarbonate from the UV component of the solar radiation. With this technology, the UV protection is made resistant to weathering and is not prone to damage by incorrect maintenance.

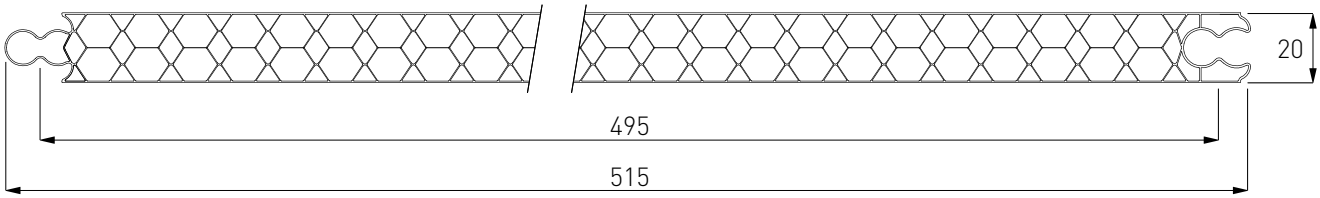
Modulit® 520 HC

Modulit® 520 HC is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with honeycomb structure, thickness of 20 mm, module width 495 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles aluminium complete the fixing structure. Easy and economical installation, **Modulit® 520 HC** allows excellent light transmission, high load resistance and thermal insulation.

Also available for use in interior applications not exposed to UV

Thickness (mm) **20**

UV PROTECTED WALL



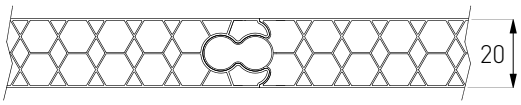
Modulit® 520 HC technical data			
Thickness	20 mm		
Structure	honeycomb		
Module width	495 mm		
Length	upon request		
Thermal transmittance	2,0 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	52%	64%
	Opal (8121)	31%	49%
UV protection	coextruded on the external side		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s1 d0		

*** Values calculated according to ASTM standard.**

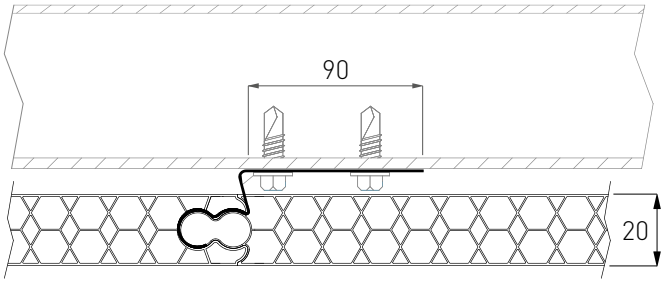
**** Values calculated according to internal method.**

Modulit® 520 HC joining scheme

- **Section panel / panel joining**

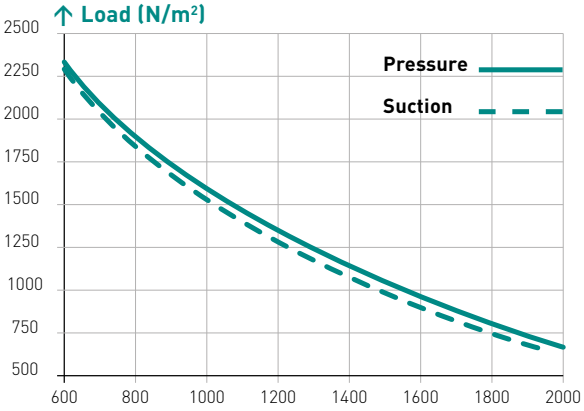


- **Section panel /hook / panel joining**

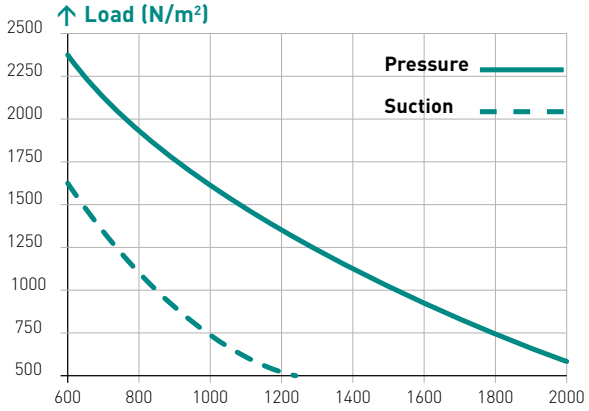


Modulit® 520 HC load tables

- **Load chart with 2 supports**



- **Load chart with 3 or more supports**



The load tables refer to the breakage load value of the system, i.e. the lowest value between: the collapse of the panel, failure of the frame or the panel springing out of its housing. The designer will check the actual loads acting on the system as well as the coefficients of amplification and safety to be applied in consideration of both the climatic conditions of the site, both the general and particular characteristics of the structure in which the polycarbonate is inserted. For these evaluations, refer to the specific regulations in force in each country. For detailed technical data, or for more information, refer to the Technical Manual or to the Stabilit Suisse Office.

Modulit® 520 HC specifications
Construction of Modulit® 520 HC translucent wall system consisting of:
Multiwall polycarbonate panel, coextruded UV-protection on the outer surface, honeycomb structure 20 mm thickness, certified thermal transmittance 2,0 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 495 mm, length upon request; 10-year warranty.
Perimeter aluminium profiles*.
External gasket in EPDM rubber.
Stainless steel fixing hook (if required).
* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 520 HC installation options

- **Installation within supports with bottom sill**
  H = L - 40 mm (simple profiles)

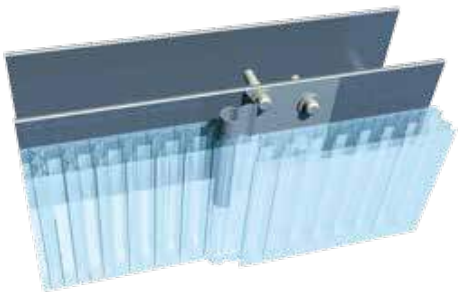
- **Installation within supports without bottom sill**
  H = L - 40 mm (simple profiles)

(**L** = distance between aluminum profiles; **H** = panel height)

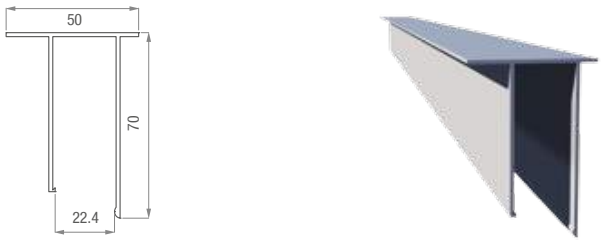
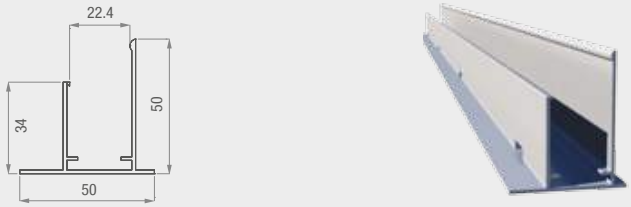
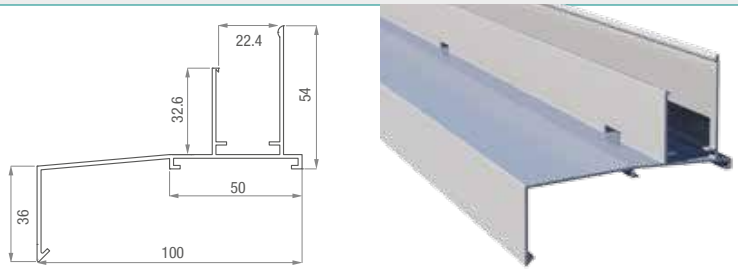
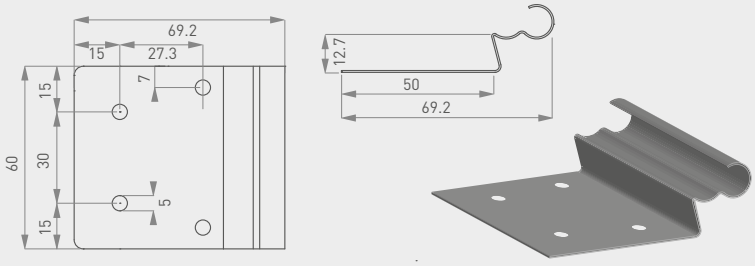
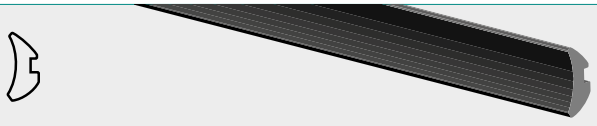
- **Detail of the upper profile**

- **Detail of the lower profile with sill**

- **Detail of the panel fixing with hook**



Modulit® 520 HC accessories

ACCESSORY	CODE		TECHNICAL DESIGN / RENDERING
Simple profile upper / side aluminium profile*	M9V1	-	
Simple profile lower aluminium profile*	M9V2	-	
Simple profile Lower aluminium profile* with sill	M9V3	-	
Steel hook	M9V8	-	
Aluminium adhesive tape (50 m roll)	M965	height 38 mm	
	M957	height 50 mm	
	M968	height 38 mm perforated	
	M969	height 50 mm perforated	
EPDM gasket	M926		

***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 338 LP

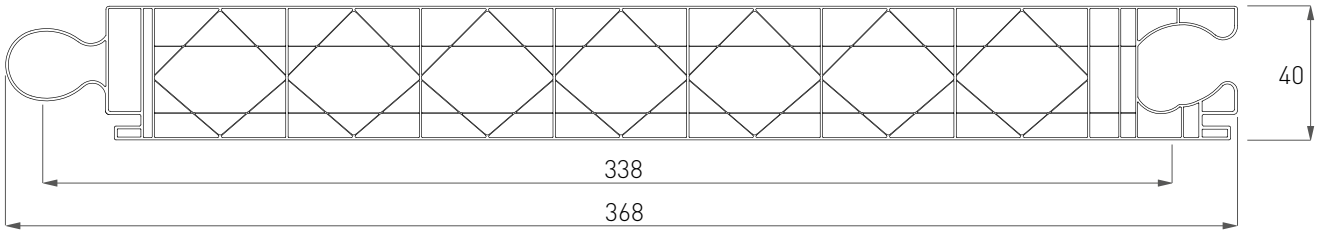
Modulit® 338 LP system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 6 wall structure, thickness of 40 mm, module width 338 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints; perimeter profiles in aluminium, fixing hook and gasket complete the fixing structure. Easy and economical installation, **Modulit® 338 LP** allows excellent light transmission, high load resistance and thermal insulation.

LL XL

PLUS BICOLOR ANTIGLARE

Thickness (mm) **40**

UV PROTECTED WALL



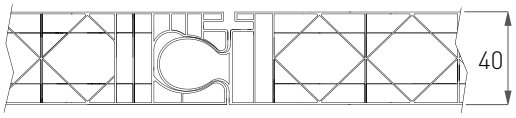
Modulit® 338 LP technical data			
Thickness	40 mm		
Structure	6 walls		
Module width	338 mm		
Length	upon request		
Thermal transmittance	1,3 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	58%	66%
	Opal (8121)	37%	54%
UV protection	coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s1 d0		

*** Values calculated according to EN410 and EN14500 standard in conformity to the indications of the norm EN16153.**

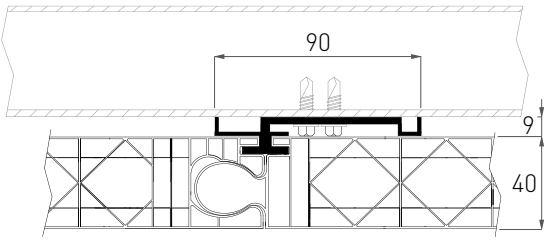
**** Values calculated in conformity to the indications of the norm EN16153.**

Modulit® 338 LP joining scheme

- **Section panel / panel joining**

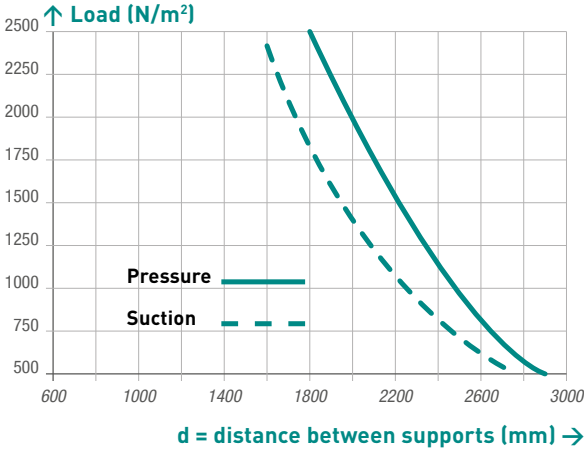


- **Section panel / hook / panel joining**

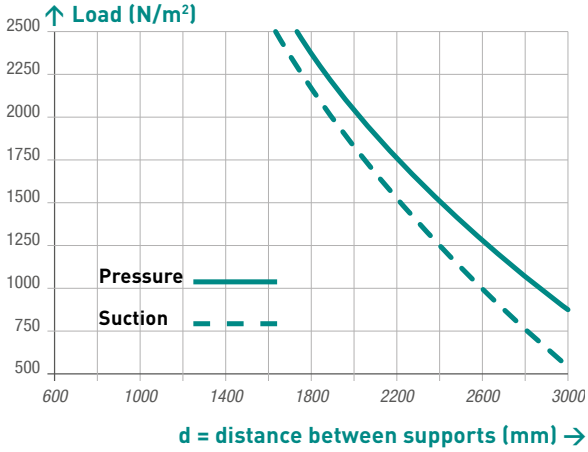


Modulit® 338 LP load charts

- **Load chart with 2 supports**



- **Load chart with 3 or more supports**



The load tables refer to the breakage load value of the system, i.e. the lowest value between: the collapse of the panel, failure of the frame or the panel springing out of its housing. The designer will check the actual loads acting on the system as well as the coefficients of amplification and safety to be applied in consideration of both the climatic conditions of the site, both the general and particular characteristics of the structure in which the polycarbonate is inserted. For these evaluations, refer to the specific regulations in force in each country. For detailed technical data, or for more information, refer to the Technical Manual or to the Stabilit Suisse Office.

Modulit® 338 LP specifications

Construction of Modulit® 338 LP translucent wall system consisting of:

Polycarbonate multiwall panel, external co-extruded UV-protection, diagonal 6 wall structure, 40 mm thickness, certified thermal transmittance 1,3 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 338 mm, length upon request; 10-year warranty.

Perimeter aluminium profiles*.

External gaskets in EPDM rubber.

Aluminium hook (if required).

* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 500 LP

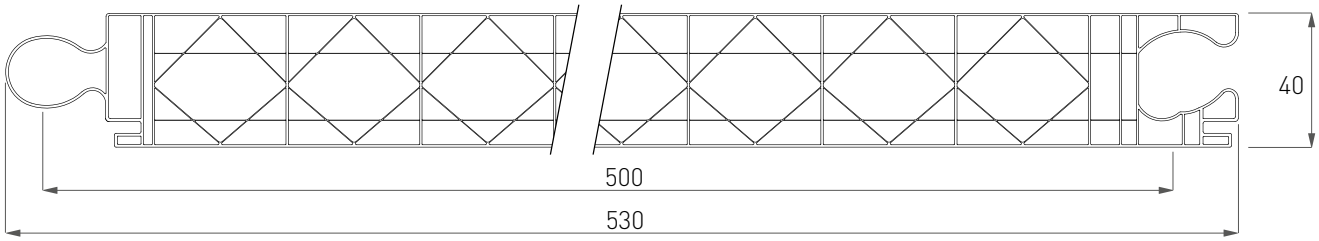
Modulit® 500 LP system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 6 wall structure, thickness of 40 mm, module width 500 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles in aluminium complete the fixing structure. Easy and economical installation, **Modulit® 500 LP** allows excellent light transmission, high load resistance and thermal insulation.

LL XL

PLUS BICOLOR ANTIGLARE

Thickness (mm) 40

UV PROTECTED WALL



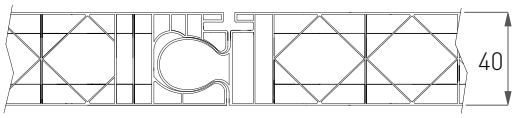
Modulit® 500 LP technical data			
Thickness	40 mm		
Structure	6 walls		
Module width	500 mm		
Length	upon request		
Thermal transmittance	1,3 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	58%	66%
	Opal (8121)	37%	54%
UV protection	coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s1 d0		

*** Values calculated according to EN410 and EN14500 standard in conformity to the indications of the norm EN16153.**

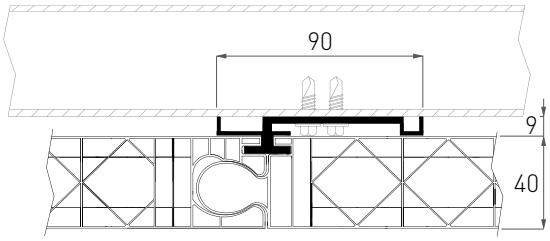
**** Values calculated in conformity to the indications of the norm EN16153.**

Modulit® 500 LP joining scheme

- **section panel / panel joining**

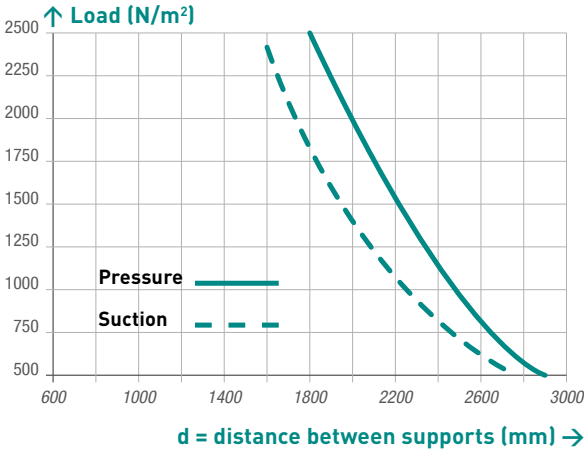


- **section panel / hook / panel joining**

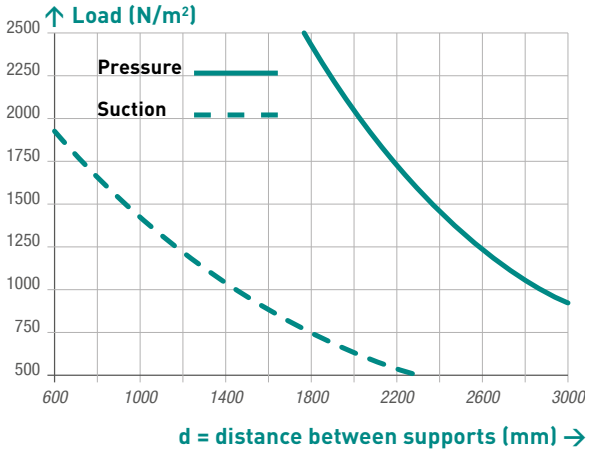


Modulit® 500 LP load charts

- **Load chart with 2 supports**



- **Load chart with 3 or more supports**



The load tables refer to the breakage load value of the system, i.e. the lowest value between: the collapse of the panel, failure of the frame or the panel springing out of its housing. The designer will check the actual loads acting on the system as well as the coefficients of amplification and safety to be applied in consideration of both the climatic conditions of the site, both the general and particular characteristics of the structure in which the polycarbonate is inserted. For these evaluations, refer to the specific regulations in force in each country. For detailed technical data, or for more information, refer to the Technical Manual or to the Stabilit Suisse Office.

Modulit® 500 LP specifications
Construction of Modulit® 500 LP translucent wall system consisting of:
Polycarbonate multiwall panel, external co-extruded UV-protection, diagonal 6 wall structure, 40 mm thickness, certified thermal transmittance 1,3 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 500 mm, length upon request; 10-year warranty.
Perimeter aluminium profiles*.
External gaskets in EPDM rubber.
Aluminium hook (if required).
* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 511 LP 40 mm

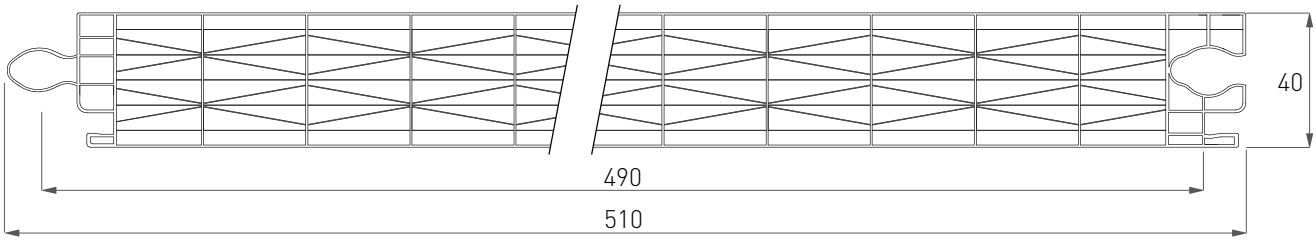
Modulit® 511 LP 40 mm system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 11 walls double-X structure, thickness of 40 mm, module width 490 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles in aluminium complete the fixing structure. Easy and economical installation, **Modulit® 511 LP 40 mm** allows excellent light transmission, high load resistance and thermal insulation.

LL XL

PLUS BICOLOR ANTIGLARE

Thickness (mm) 40

UV PROTECTED WALL



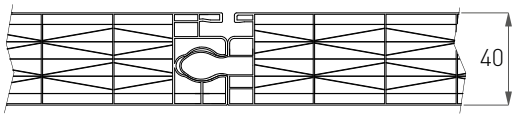
Modulit® 511 LP 40 mm technical data			
Thickness	40 mm		
Structure	11 walls		
Module width	490 mm		
Length	upon request		
Thermal transmittance	0,97 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	40%	59%
	Opal (8121)	22%	40%
UV protection	coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s2 d0		

*** Values calculated according to ASTM standard.**

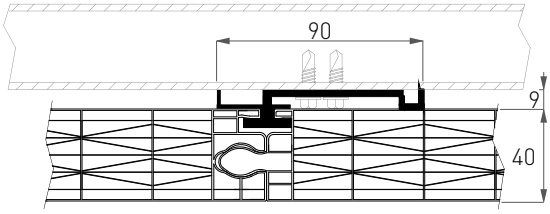
**** Values calculated according to internal method.**

Modulit® 511 LP 40 mm joining scheme

• Section panel / panel joining

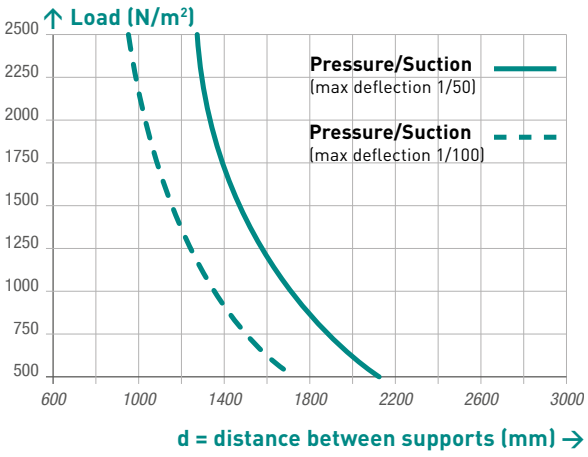


• Section panel / hook / panel joining

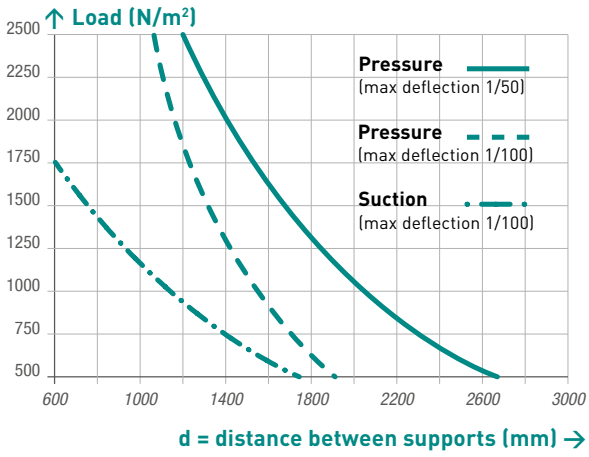


Modulit® 511 LP 40 mm load charts

• Load chart with 2 supports



• Load chart with 3 or more supports



The load tables refer to the breakage load value of the system, i.e. the lowest value between: the collapse of the panel, failure of the frame or the panel springing out of its housing. The designer will check the actual loads acting on the system as well as the coefficients of amplification and safety to be applied in consideration of both the climatic conditions of the site, both the general and particular characteristics of the structure in which the polycarbonate is inserted. For these evaluations, refer to the specific regulations in force in each country. For detailed technical data, or for more information, refer to the Technical Manual or to the Stabilit Suisse Office.

Modulit® 511 LP 40 mm specifications
Construction of Modulit® 511 LP 40 mm composto da:
Polycarbonate multiwall panel, external co-extruded UV-protection, 11 wall structure, 40 mm thickness, certified thermal transmittance 0,97 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 490 mm, length upon request; 10-year warranty.
Perimeter aluminium profiles*.
External gaskets in EPDM rubber.
Aluminium hook (if required).
* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 511 LP 50 mm

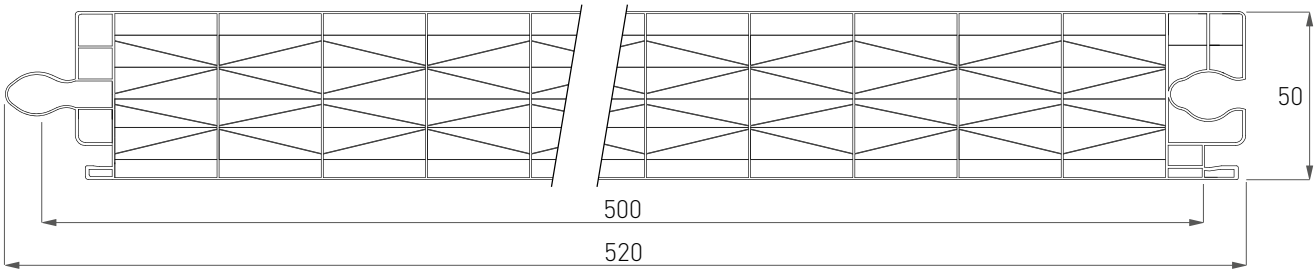
Modulit® 511 LP 50 mm system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 11 walls double-X structure, thickness of 50 mm, module width 500 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles in aluminium complete the fixing structure. Easy and economical installation, **Modulit® 511 LP 50 mm** allows excellent light transmission, high load resistance and thermal insulation.

LL XL

PLUS BICOLOR ANTIGLARE

Thickness (mm) 50

UV PROTECTED WALL



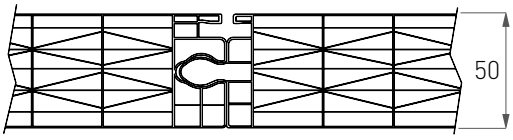
Modulit® 511 LP 50 mm technical data			
Thickness	50 mm		
Structure	11 walls		
Module width	500 mm		
Length	upon request		
Thermal transmittance	0,91 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	36%	56%
	Opal (8121)	20%	38%
UV protection	Coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s2 d0		

*** Values calculated according to ASTM standard.**

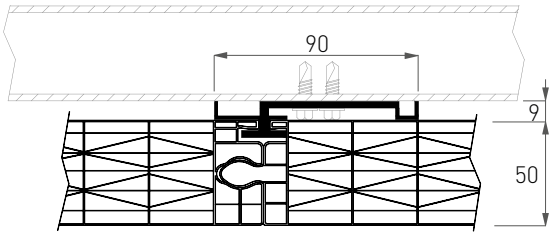
**** Values calculated according to internal method.**

Modulit® 511 LP 50 mm joining scheme

- **Section panel / panel joining**



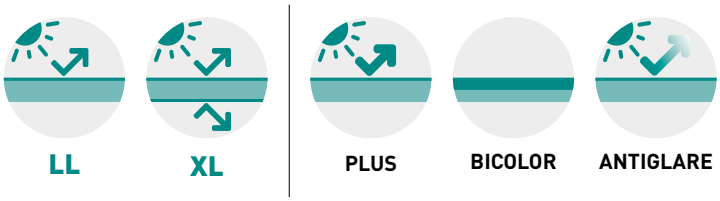
- **Section panel / hook / panel joining**



Modulit® 511 LP 50 mm specifications
Construction of Modulit® 511 LP 50 mm translucent wall system consisting of:
Polycarbonate multiwall panel, external co-extruded UV-protection, 11 wall structure, 50 mm thickness, thermal transmittance 0,91 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 500 mm, length upon request; 10-year warranty. decennale.
Perimeter aluminium profiles*****.
External gaskets in EPDM rubber.
Aluminium hook (if required).
***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

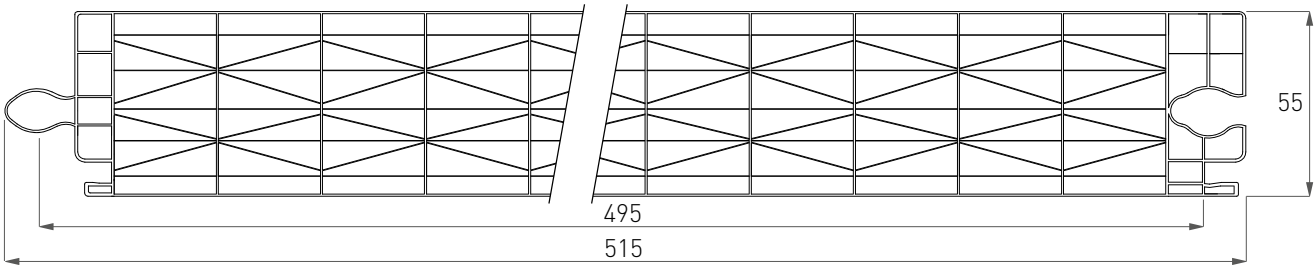
Modulit® 511 LP 55 mm

Modulit® 511 LP 55 mm system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 11 walls double-X structure, thickness of 55 mm, module width 495 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles in aluminium complete the fixing structure. Easy and economical installation, **Modulit® 511 LP 55 mm** allows excellent light transmission, high load resistance and thermal insulation.



Thickness (mm) 55

UV PROTECTED WALL



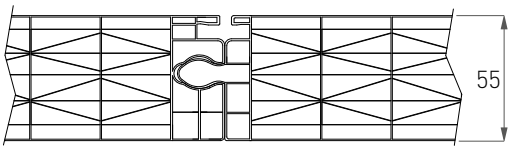
Modulit® 511 LP 55 mm technical data			
Thickness	55 mm		
Structure	11 walls		
Module width	495 mm		
Length	upon request		
Thermal transmittance	0,83 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	36%	55%
	Opal (8121)	20%	38%
UV protection	coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS B s2 d0		

*** Values calculated according to ASTM standard.**

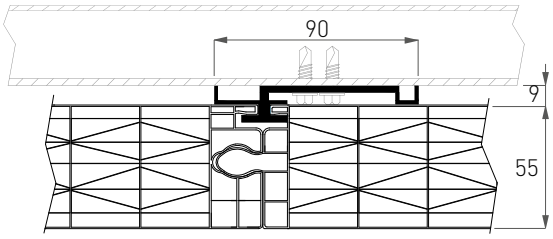
**** Values calculated according to internal method.**

Modulit® 511 LP 55 mm joining scheme

- **Section panel / panel joining**



- **Section panel / hook / panel joining**



Modulit® 511 LP 55 mm specifications
Construction of Modulit® 511 LP 55 mm translucent wall system consisting of:
Polycarbonate multiwall panel, external co-extruded UV-protection, 11 wall structure, 55 mm thickness, thermal transmittance 0,83 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 495 mm, length upon request; 10-year warranty.
Perimeter aluminium profiles*.
External gaskets in EPDM rubber.
Aluminium hook (if required).
* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® 511 LP 60 mm

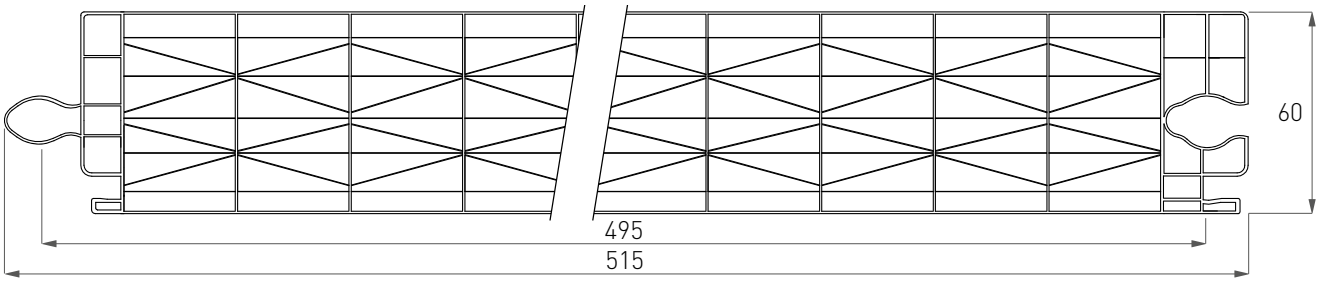
Modulit® 511 LP 60 mm system is a polycarbonate system for the production of translucent vertical curtain walls to use in industrial and civil constructions. The system is made by multiwall extruded polycarbonate panels with 11 walls double-X structure, thickness of 60 mm, module width 495 mm and UV protection obtained by co-extrusion on the external side. The system is made by means of panel coupling, provided by "male / female" joints for a perfect fit; perimeter profiles aluminium complete the fixing structure. Easy and economical installation, **Modulit® 511 LP 60 mm** allows excellent light transmission, high load resistance and thermal insulation.

LL XL

PLUS BICOLOR ANTIGLARE

Thickness (mm) 60

UV PROTECTED WALL



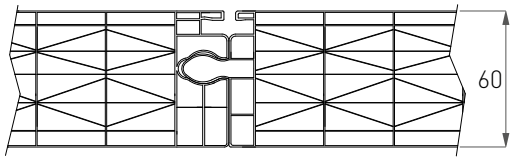
Modulit® 511 LP 60 mm technical data			
Thickness	60 mm		
Structure	11 walls		
Module width	495 mm		
Length	upon request		
Thermal transmittance	0,79 W/m² K		
Colours		**LT***	**G Value****
	Clear (8005)	35%	53%
	Opal (8121)	18%	36%
UV protection	coextruded on the external side (both sides upon request)		
Warranty	10-year warranty against hail damage, yellowing, loss of light transmission		
Service temperature	-40°C / +120°C		
Thermal expansion coefficient	0,065 mm/m°C (6,5 x 10^{-5} 1/K)		
Fire certification	EUROCLASS E		

*** Values calculated according to ASTM standard.**

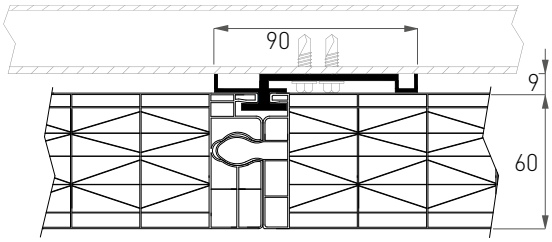
**** Values calculated according to internal method.**

Modulit® 511 LP 60 mm joining scheme

- **Section panel / panel joining**



- **Section panel / hook / panel joining**

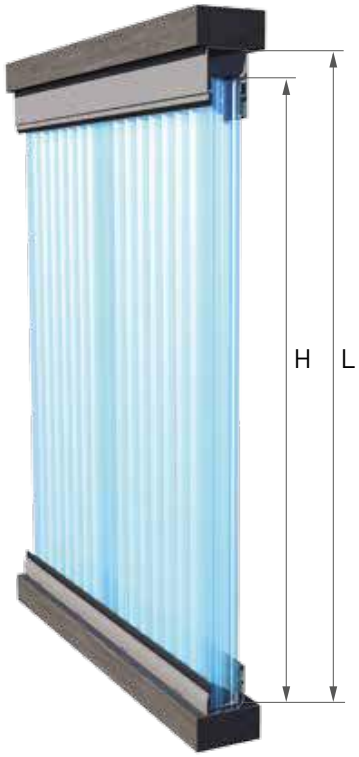


Modulit® 511 LP 60 mm specifications
Construction of Modulit® 511 LP 60 mm translucent wall system consisting of:
Polycarbonate multiwall panel, external co-extruded UV-protection, 11 wall structure, 60 mm thickness, thermal transmittance 0,79 W/m² K, clear colour (other colours available on request), edges closed with aluminium tape; dimensions: module width 495 mm, length upon request; 10-year warranty.
Perimeter aluminium profiles*.
External gaskets in EPDM rubber.
Aluminium hook (if required).
* : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

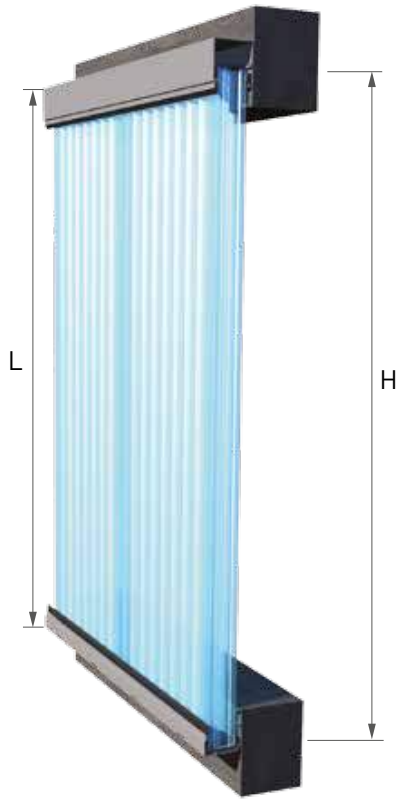
Installation options for Modulit® 338 LP, Modulit® 500 LP and Modulit® 511 LP with simple profiles

- **Installation within supports with bottom sill**

- **Installation within supports without bottom sill**



- **External installation without sill**

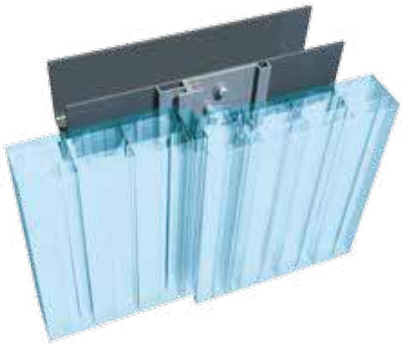


H = **L** - 35 mm (**L** = distance between aluminum profiles; **H** = panel height)

- **Detail of the upper profile**

- **Detail of the lower profile with sill**

- **Detail of the panel fixing with hook**

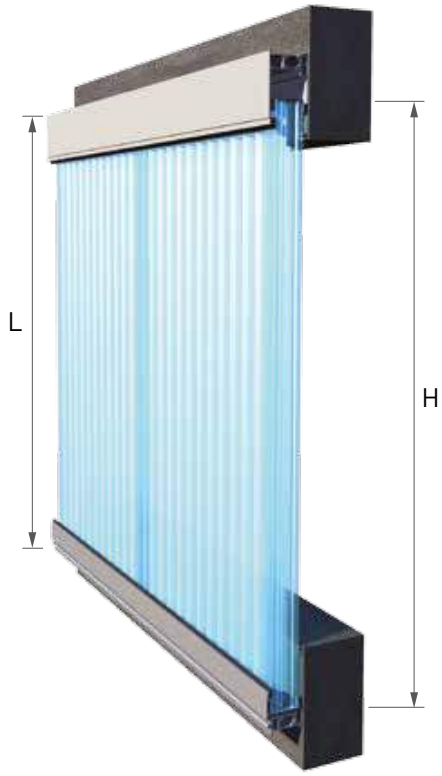


Installation options for Modulit® 338 LP, Modulit® 500 LP and Modulit® 511 LP with thermal cut profiles

- **Installation within supports with bottom sill**

- **Installation within supports without bottom sill**

- **External installation without sill**



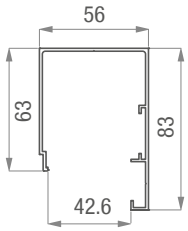
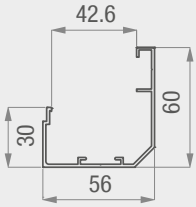
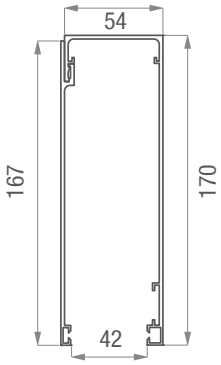
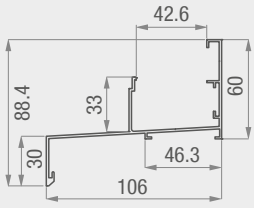
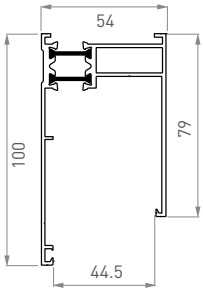
H = **L** - 95 mm (**L** = distance between aluminum profiles; **H** = panel height)

- **Detail of the upper thermal cut profile**

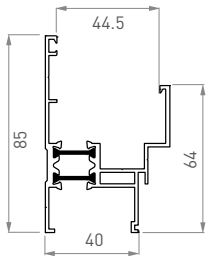
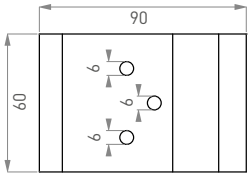
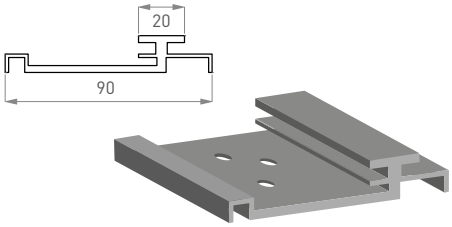
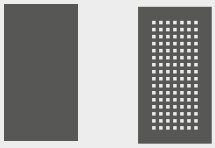
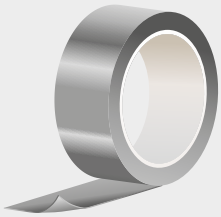
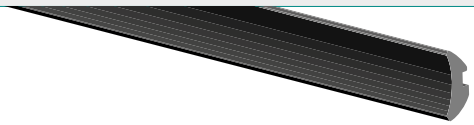
- **Detail of the lower thermal cut profile with sill**

- **Detail of the side thermal cut profile**

Modulit® accessories for thickness 40 mm

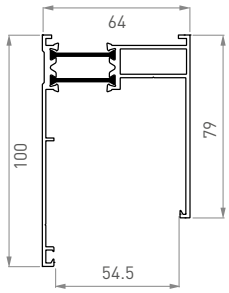
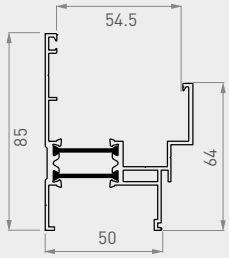
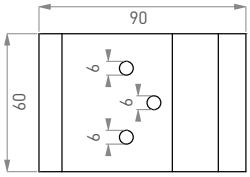
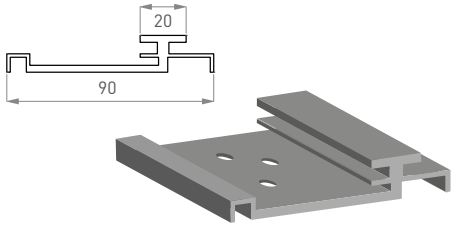
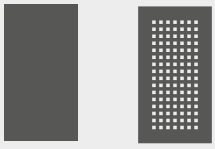
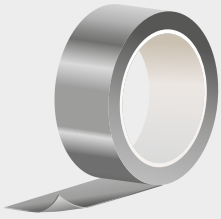
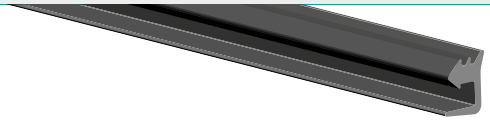
ACCESSORY	CODE	TECHNICAL DESIGN / RENDERING
Simple profile upper / side aluminium profile*	M987	
Simple profile lower aluminium profile*	M989	
Simple profile "high" upper aluminium profile*	M9S4 M9S6	
Simple profile lower aluminium profile* with sill	M988	
Thermal cut profile upper / side aluminium profile* for 40 mm	M9B2	

Modulit® accessories for thickness 40 mm

ACCESSORY	CODE		TECHNICAL DESIGN / RENDERING
Thermal cut profile lower aluminium profile* for 40 mm	M9B1	-	
Aluminium hook	M9V9	-	 
Aluminium adhesive tape (50 m roll)	M966	height 70 mm	 
	M970	height 70 mm perforated	
EPDM gaskets	M998 M926	-	
EPDM gasket	M928	-	

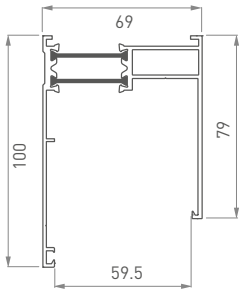
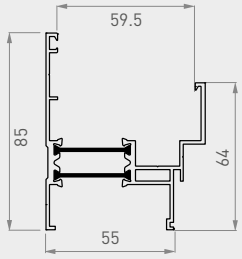
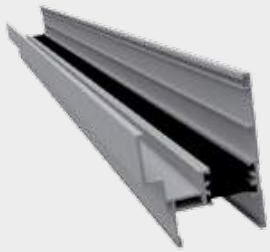
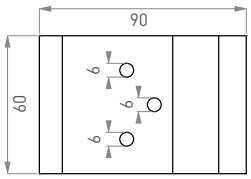
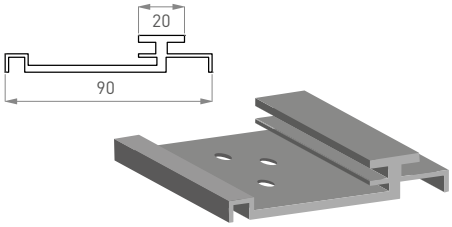
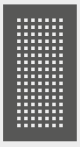
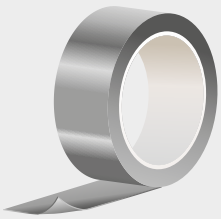
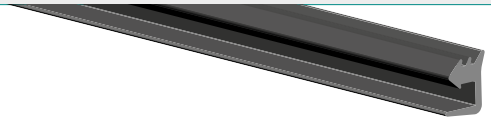
***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® accessories for thickness 50 mm

ACCESSORY	CODE		TECHNICAL DESIGN / RENDERING
Thermal cut profile upper / side aluminium profile* for 50 mm	M9B4	-	
Thermal cut profile lower aluminium profile* for 50 mm	M9B3	-	
Aluminium hook	M9V9	-	 
Aluminium adhesive tape / perforated (50 m roll)	M966	Height 70 mm	 
	M970	Height 70 mm perforated	
EPDM gasket	M928	-	

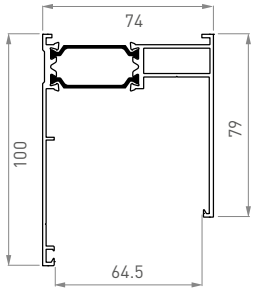
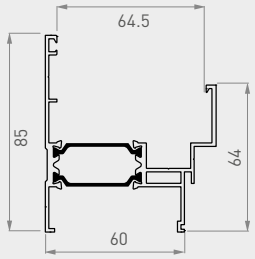
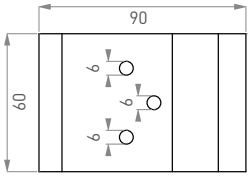
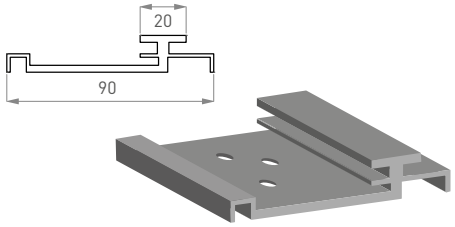
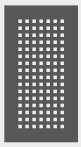
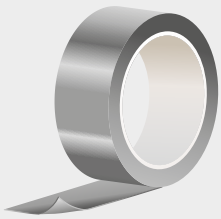
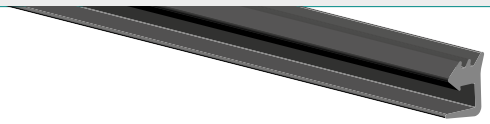
***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® accessories for thickness 55 mm

ACCESSORY	CODE		TECHNICAL DESIGN / RENDERING
Thermal cut profile upper / side aluminium profile* for 55 mm	M9B6	-	
Thermal cut profile lower aluminium profile* for 55 mm	M9B5	-	 
Aluminium hook	M9V9	-	 
Perforated aluminium adhesive tape (50 m roll)	MXA8	Height 90 mm perforated	 
EPDM gasket	M928	-	

***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

Modulit® accessories for thickness 60 mm

ACCESSORY	CODE		TECHNICAL DESIGN / RENDERING
Thermal cut profile upper / side aluminium profile* for 60 mm	M9B8	-	
Thermal cut profile lower aluminium profile* for 60 mm	M9B7	-	
Aluminium hook	M9V9	-	 
Perforated aluminium adhesive tape (50 m roll)	MXA8	Height 90 mm perforated	 
EPDM gasket	M928	-	

***** : raw or anodized or lacquered, please contact our sales offices to check the standards, the surcharges and the minimum order quantities.

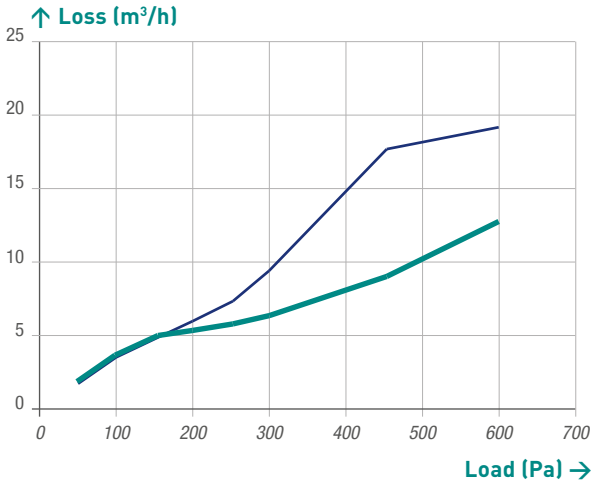
Integrated gasket

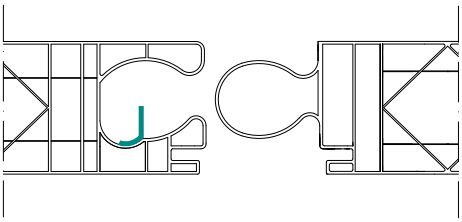
Modulit® 338 LP and 500 LP panels can be equipped by integrated transparent gasket. This element, which doesn't limit the light transmission of the panel and doesn't create unsightly lines of different colours, adapts to different shapes of the product to which it is applied, improving the performances of air and water resistance.

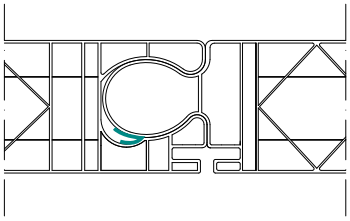
- **Excellent transparency that renders the gasket indistinguishable from the panel**
- **Improved air and water tightness**
- **Flexibility**
- **UV Resistant**
- **Perfect integration provided by "male / female" joint**

Air penetration test (EN 12153)

- **Under pressure**







Water penetration test (EN 12155)

After joining the panels, the gasket is deformed by adhering optimally to the walls of the joint, thereby preventing the water to pass the line of sealing. Furthermore, the lower air permeability significantly decreases the effect of build-up of the droplets that are substantially stationary inside the joint.

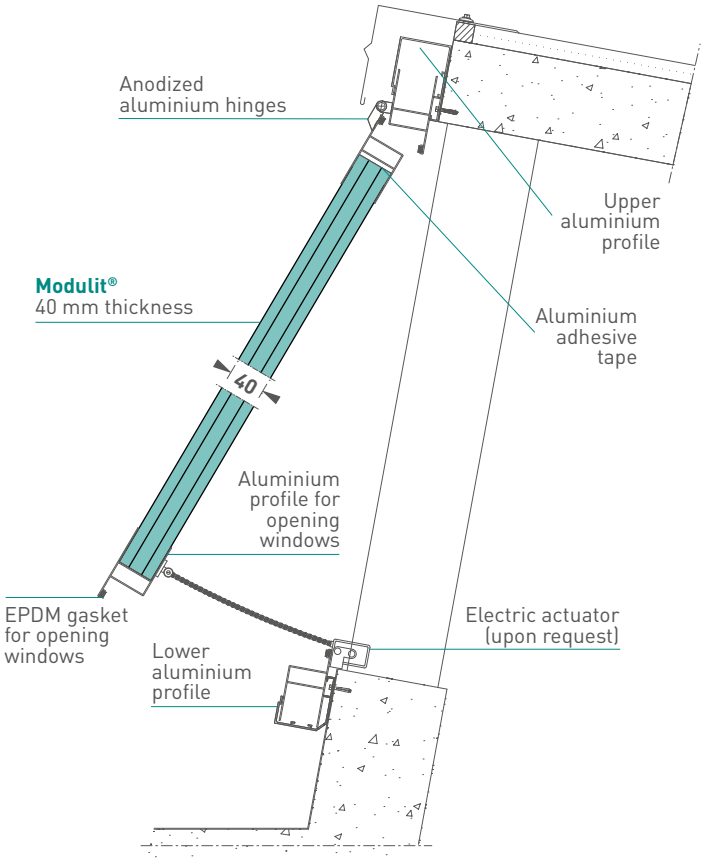
Independent tests proved that the gasket increases the air resistance performances of at least 35% with pressure load and at least 10% with suction load.

Modulit® opening window

All **Modulit®** systems can be provided with opening windows to allow the perfect ventilation of the building. The opening system is composed of upper and lower aluminum profiles, provided with EPDM rubber gaskets for complete closure, and anodized aluminium top hinges. The opening can be electrical, by means of installation of an actuator.

Benefits

- **Perfectly integrated into the system**
- **Ease and economical installation**
- **Thermal insulation**
- **Electric opening**
- **Aluminium hinges**
- **Closure gaskets in EPDM**

Modulit® opening window scheme

- **Vertical section - sloped shed - 40 mm thickness**