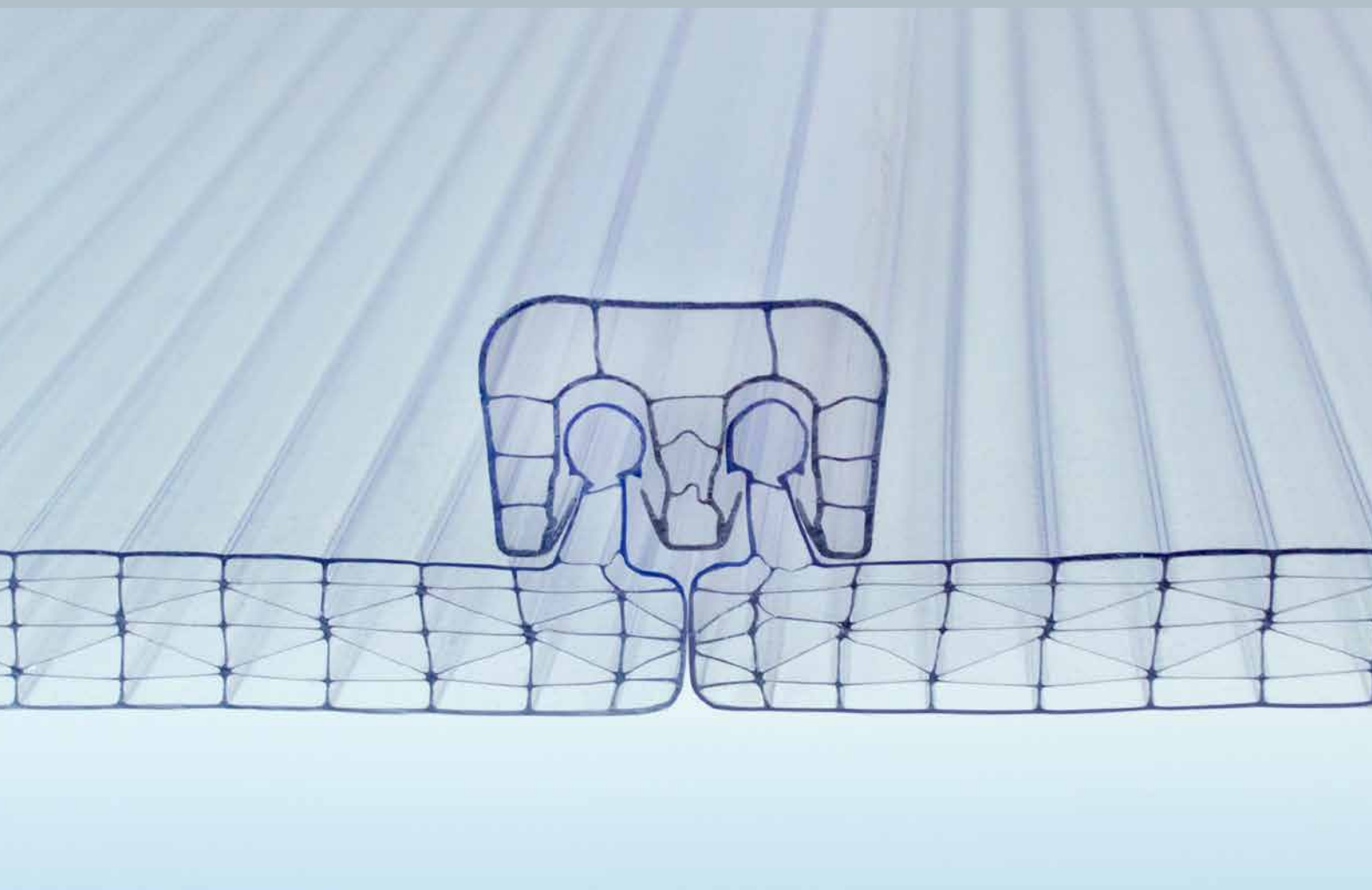


SUN CLICK[®]



***TOP CONNECTOR SYSTEM
IN CELLULAR POLYCARBONATE***

SUN CLICK®

MODULAR SYSTEM IN UV PROTECTED CELLULAR POLYCARBONATE WITH TOP CONNECTOR

The modular system **SUN CLICK®**, composed by panels and connecting profiles in cellular polycarbonate, offers extreme lightness and remarkable light transmission. These properties, together with very easy assembly, make **SUN CLICK®** particularly interesting for the realisation of outstanding projects with qualities of excellent design. Due to its versatility the system is particularly suited for roofs, canopies and shelters, rooflights and external walls, but also for internal applications as dividing walls or decorative elements. Due to the easy assembly it is especially convenient for DIY.

PROPERTIES and APPLICATIONS

The **SUN CLICK®** panels in polycarbonate are protected against UV rays by coextrusion process and offer the following particular characteristics:

THERMAL INSULATION: The multi-wall cellular structure, together with the low thermal transmission value of polycarbonate, give top thermal insulation. This ensures improved energy saving (see table TECHNICAL DATA).

PRACTICALLY UNBREAKABLE: The considerable impact strength and resistance to mechanical stress offers protection against hail and vandalism.

CONDENSATION: With correct ventilation, the multi-wall structure of the panels ensures that no internal condensation occurs.

COLOURS: The **SUN CLICK®** panels are usually produced in the standard colours transparent and opaline, but at request a wide choice of colours may be produced for the specific needs of the customer.

TRANSPARENCY and DURABILITY: The panels are extruded in high-grade polycarbonate with UV protection on the external side and offer high transparency. Due to the UV coating the primary properties of transparency and mechanical resistance remain almost unchanged during time, even beyond the warranty period.

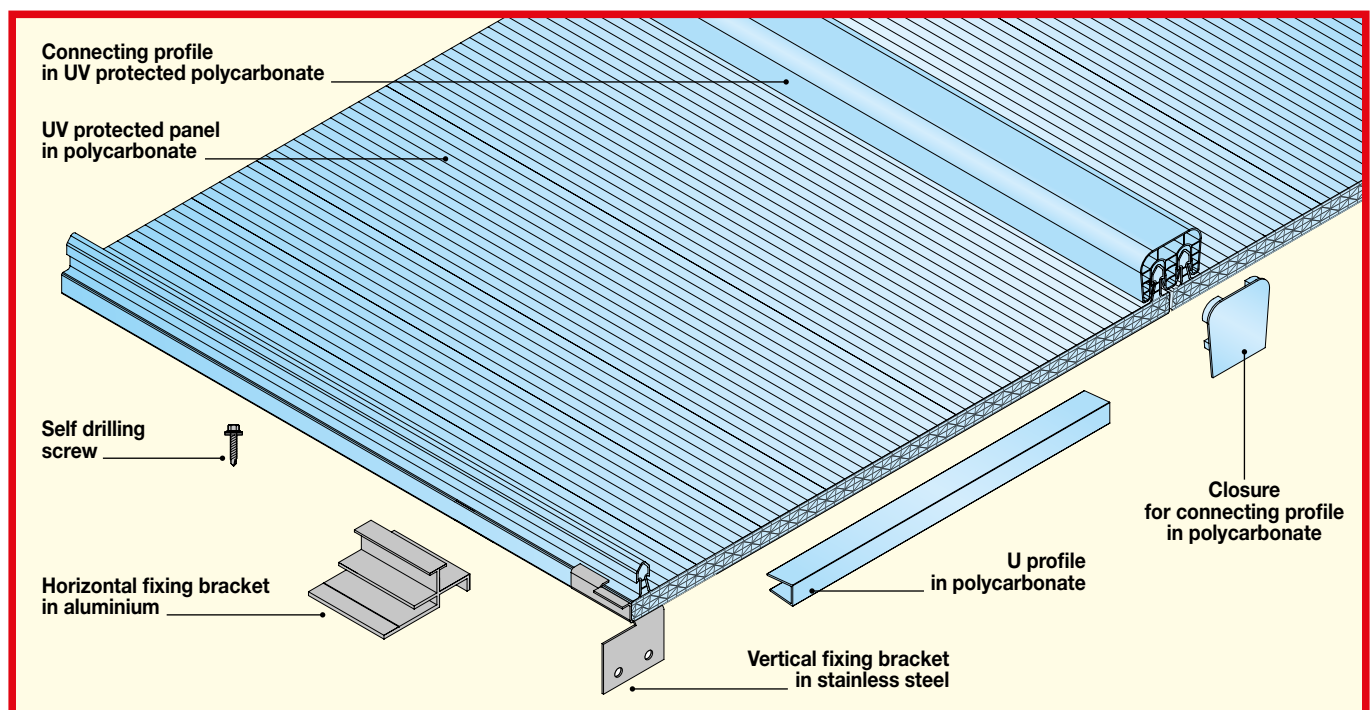
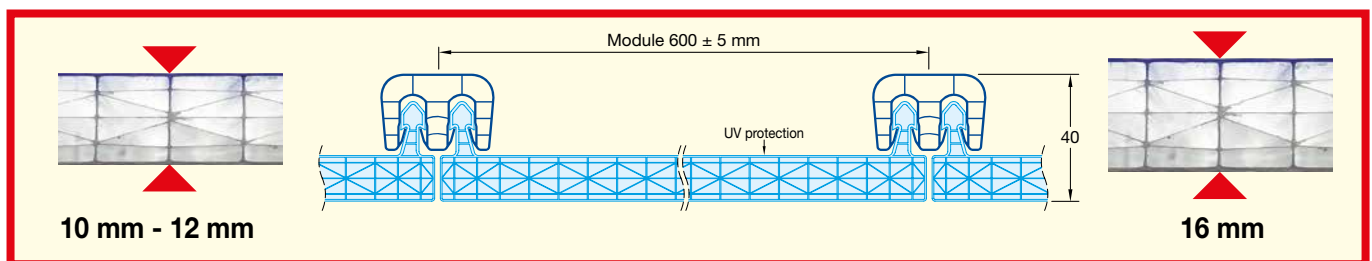
WEATHERING RESISTANCE: The **SUN CLICK®** panels offer high weathering resistance and durability in the whole temperature range of use.

LIGHTNESS: The low weight of the panels facilitates transport and installation.

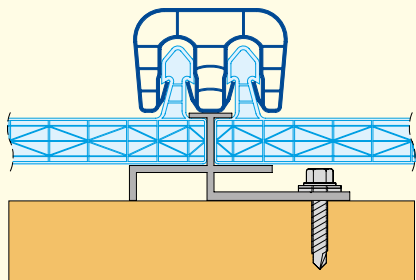
INSTALLATION: The jointing of the panels with the special top connector allows easy and quick installation. **Minimum recommended slope 4° (7%).**

FIRE PERFORMANCE: The **SUN CLICK®** panels are certified according to European Standard EN 13501-1 in class B s1 d0.

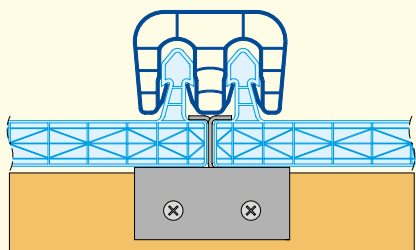
RESISTANCE TO CHEMICAL AGENTS: For information about the compatibility with chemical agents please contact the manufacturer.



FIXING WITH HORIZONTAL BRACKET IN ALUMINIUM



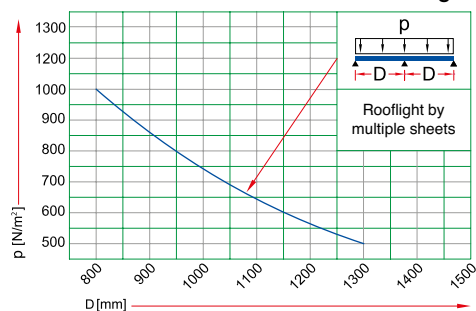
FIXING WITH VERTICAL BRACKET IN STAINLESS STEEL



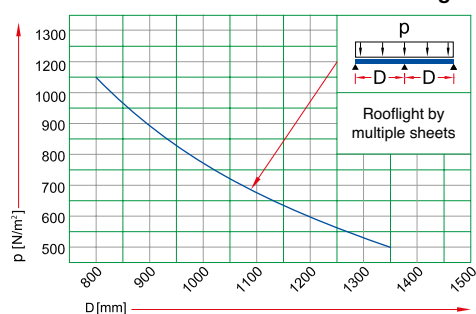
ADMISSIBLE LOADS

FLAT AND CURVED APPLICATIONS

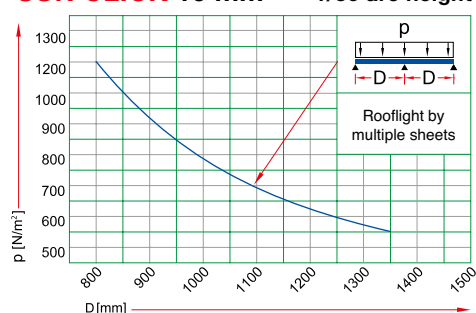
SUN CLICK 10 mm 1/50 arc height *



SUN CLICK 12 mm 1/50 arc height *



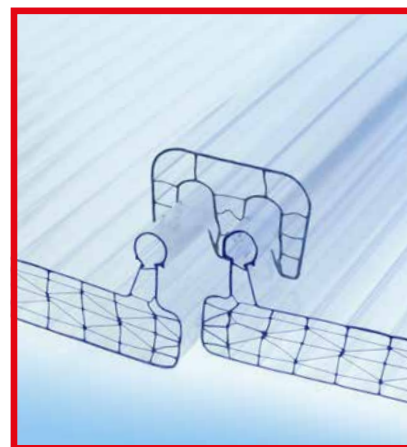
SUN CLICK 16 mm 1/50 arc height *



* Arc height 1/50 of chord

TOP CONNECTOR PROFILE in POLYCARBONATE

The connection between two **SUN CLICK®** panels is done with a connecting profile in polycarbonate, which is specifically developed to resist to positive and negative loads.

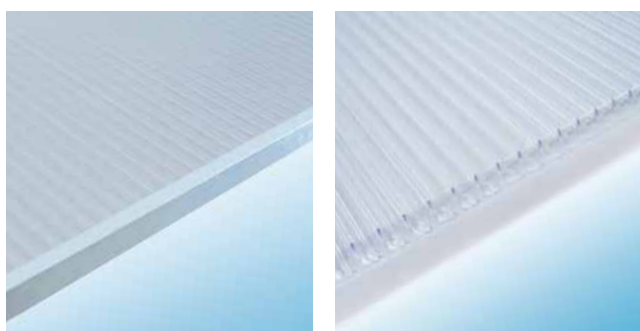


TECHNICAL DATA	SUN CLICK			Unit
Panel thickness	10	12	16	mm
Modular width	600 ± 5 mm			mm
Number of walls	7X			no.
Panel length at request	max. 13500 mm			mm
Minimum bending radius	~ 2000		~ 3500	mm
Transparency: transparent	~ 64	~ 70	~ 55	%
	~ 48	~ 53	~ 25	%
Thermal transmission U	2,48	2,25	1,90	W/m²K
Fire classification EN 13501-1	B s1 d0			
Thermal expansion	0,065			mm/m K
Temperature range	-40 / +120			°C

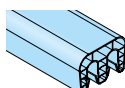
EXTRUSION SUN CLICK® PANEL



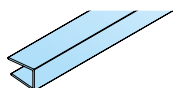
TAPED / SEALED BORDERS



ACCESSORIES



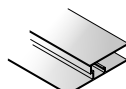
Top connector
in polycarbonate



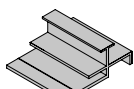
U profile
in polycarbonate



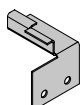
End cap for
top connector
in polycarbonate



M658
side profile



Horizontal
fixing bracket



Vertical
fixing bracket



M767 Gasket
for side profile

SPECIFICATION TEXT

• Wall; • Shed; • Flat roof; • Curved roof

Realised with modular system type **SUN CLICK®** by Akraplast Sistemi, composed of:

- 1) UV protected polycarbonate multi-wall panels
 - thickness 10 - 12 - 16 mm, modular width 600 mm;
 - 7X structure, thermal transmission $U = 2,48 - 2,25 - 1,90 \text{ W/m}^2\text{K}$
 - Colour • transparent; • opaline; • others
- 2) Connecting profiles in UV protected polycarbonate for the junction of the panels. Colour • transparent; • opaline.
- 3) Side profiles in anodised aluminium, fixing brackets, gaskets and accessories necessary for perfect tightness of the system.

Choose between the alternatives •

WARRANTY

SUN CLICK® panels are protected against UV rays on the external side by coextrusion process. In Europe they are covered by a **10 YEAR WARRANTY** from the date of purchase against yellowing and weather damages (hail. etc.). For other Countries the warranty may have a different duration. For further details, please ask for the Warranty Certificate.

CERTIFICATES

With regards to fire performance, in Europe the **SUN CLICK®** panels are classified in European Fire class EN 13501-1 B s1 d0. For further details please ask for copy of the respective certificate.

POSITIONING, TOOLS AND FIXING

The panels should be positioned with the UV protected side being on the external face. Recommended minimum slope 4° (7%). When cutting the panels on size a metal saw with fine teeth should be employed. If required, a compatible silicone for use with polycarbonate should be used.

MAINTENANCE

It's recommended to clean the sheets regularly, in order to remove dirt due to dust and atmospheric pollution, using cold or lukewarm water and (if necessary) neutral detergents; don't use abrasive cloths, hot water and/or chemical detergents; avoid to clean the sheets if they are overheated by the sun.

RESPONSABILITY CLAUSE

The values and recommendations given are to the best of our knowledge, true and accurate. Since the conditions under which the products may be used are beyond our control, recommendations are made without guarantee. These indications do not exempt the customer to make all controls to determine that the materials correspond to his requirements and to the laws in force. AKRAPLAST Sistemi S.r.l. reserves the right to change specifications of products and the content of this leaflet at any time.

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