

Click 16

Easy, fast and secure, the **Click 16** system for roofs and walls is ideal for the construction of flat roofs and small areas such as carports, canopies, verandas and greenhouses. The simple assembly even allows the installation by unskilled hands: it is an ideal product for “do it yourself”, indeed the specific side overlap of the Click 16 panel allows an easy fitting of the panels without the need for profile joints offering a very low cost solution and with an high aesthetic design. The coextruded gasket guarantee a high performance of air and water tightness.

16



PLUS

Benefits

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

WARRANTY
G10
10 YEARS



DIY



HOUSING



COMMERCIAL BUILDING



PUBLIC CONSTRUCTION



ARCHITECTURE



RURAL

Main advantages of Click 16 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 $6,5 \times 10^{-5} \text{ 1/K}$ (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 **Click 16** 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. **Click 16** 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 m² 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.

Click 16

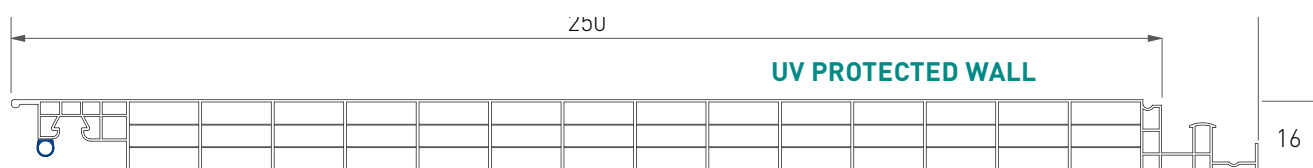
The **Click 16**, system used in roofing applications and mainly for “do it yourself” applications, is made of multiwall polycarbonate panels with a 4 wall structure. The standard thickness of 16mm offers high mechanical performance and adaptability for use in various solutions that require the use of materials easy to handle, to install and transport. It is equipped with an integrated gasket, co-extruded upon manufacture, which provides greater protection against water leakage. The product without integrated gaskets is recommended for wall construction.



PLUS

Thickness
(mm)

16



Click 16 technical data			
Thickness	16 mm		
Number of walls	4		
Module width	250 mm		
Length	upon request		
Thermal transmittance	2,10 W/m² K		
Colours		LT*	G Value
	Clear (8005)	65%	-
	Opal (8121)	41%	-
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.			



INDUSTRY



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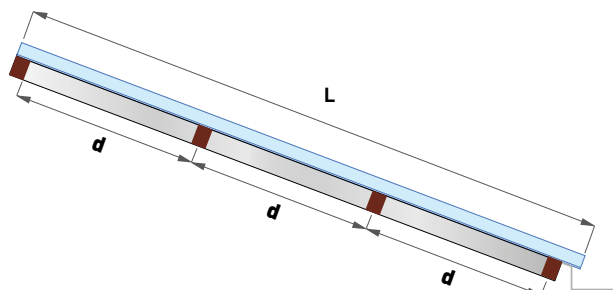


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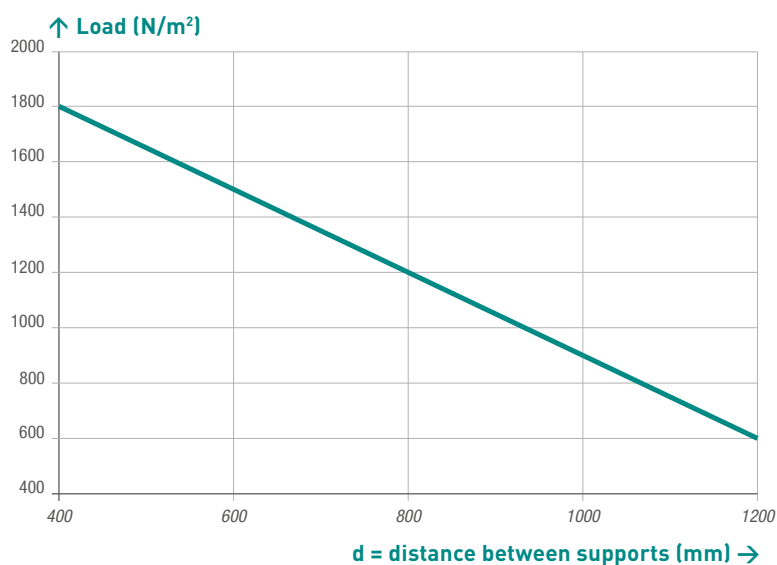
Click 16 load charts



L = length

d = distance between supports

• Load chart with 3 or more supports for FLAT solution



Pressure

NOTE
minimum
recommended
slope 15%.

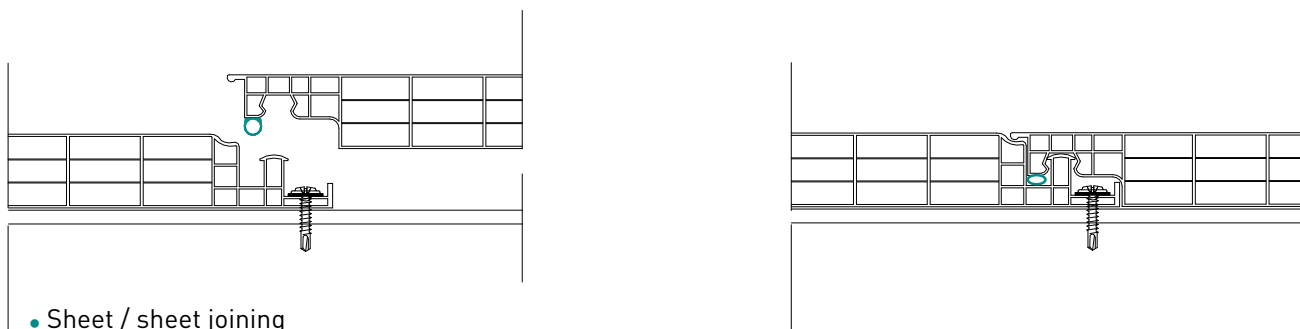
The load tables refer to the breakage load value of the system, i.e. the lowest value between: the collapse of the panel, failure of the frame or the panel springing out of its housing. The designer will check the actual loads acting on the system as well as the coefficients of amplification and safety 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.

Click 16 specifications

Construction of a flat translucent roof with Click 16 system consisting of:

Click 16 Multiwall polycarbonate panel, coextruded UV-protection on external side, 4 wall structure, 16 mm thickness, thermal transmittance 2,1 W/m² K, clear colour, adhesive aluminium tape end closures; dimensions: module width 250 mm, length upon request; 10-year warranty.

SHEET / SHEET JOINING SYSTEM installation solution - Click 16



Click 16 accessories

ACCESSORY	CODE	TECHNICAL DESIGN / RENDERING
Massive adhesive aluminium tape, height 38 mm (50 m roll)	M965	
Perforated adhesive aluminium tape, height 38 mm (50 m roll)	M968	





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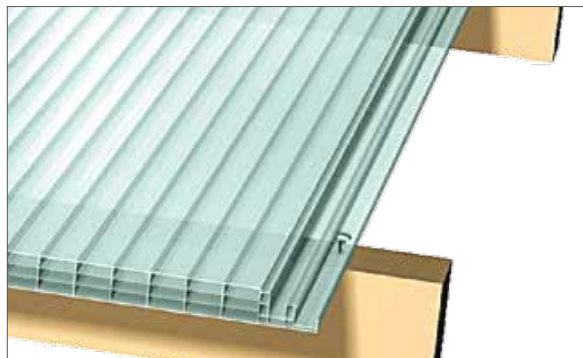


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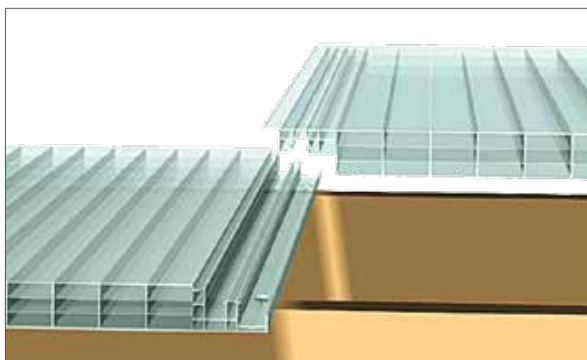
Click 16 assembly sequence



- Close the ends of the Click 16 sheet with the adhesive aluminium tape.



- Fix the panel with a screw on each purlin.



- Join the next panel, taking care to match the male / female profiles before applying pressure. Ensure that the panel is fixed.



- Finish with border trim in aluminium or steel (not supplied).

