

## Product description

Easytap® panel is a multiwall polycarbonate with metal caps, designed for use in the construction industry. Mainly used for flat roofs in combination with sandwich panels with metal caps, providing the product with thermal and acoustic insulation.

Easytap® contains a reinforced polycarbonate wall in the two overlaps of the panel, which gives it better resistance and versatility than other solutions on the market

## Sector

Industrial / Commercial

## Application

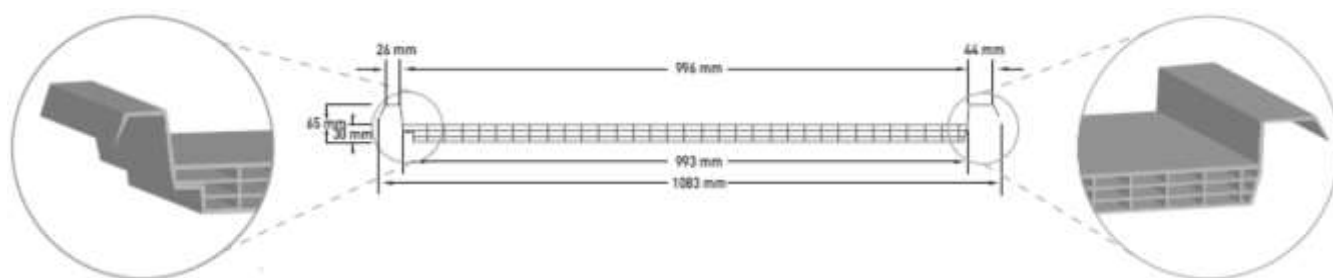
Discontinuous translucent flat roofs (ridge-to-gutter)

## Advantage

- High thermal insulation
- Good light transmission
- Easy and quick installation
- Good coupling to insulating panels
- Optimal impact resistance

## Profile:

### PROFILE: K03 - 4W - 30 mm



## Technical characteristics

Properties	Value
Thickness	30 mm
Walls nr.	4
Useful width	1000 mm
Length	On request
Light transmission	Clear: 52 % White Opal: 35 %
Thermal expansion coefficient	$6,5 \times 10^{-5} \text{ K}^{-1}$ (0,065 mm/m°C)
Thermal transmittance (U)	1,9 W/m² K
Service temperature	-40°C a +120°C
Acoustic insulation	21 dB
Reaction to fire	B s1 do
UV protection	External side

## Certificates

- 10 years limited warranty
- Reaction to fire certificate: Bs1do

#### Admissible load:

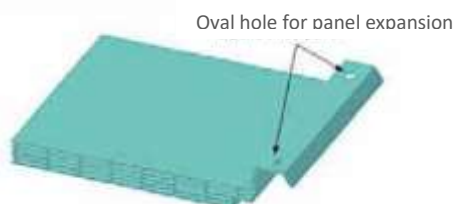
Breaking load values* for solution with three or more supports (panel subject to uniform distributed load and coupled with Sandwich panels)		
Distance between supports (d) (mm)	Pressure (Pa = N/m <sup>2</sup> )	Suction (Pa = N/m <sup>2</sup> )
1.500	2.100	Max 1.400
1.750	1.600	
2.000	1.250	
2.250	950	
2.500	750	

#### Recommended installation

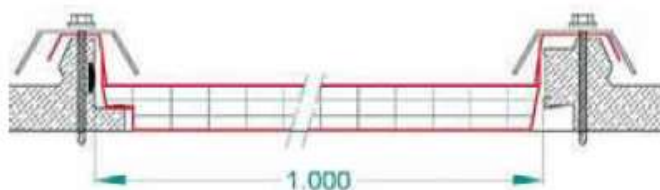
The installation of the Easytap® must be done from ridge-to-gutter to channel and with minimum slopes of 10% and not exceed a distance between supports of 2 meters

In cases where the sandwich panel is thicker than 30 mm (which is the thickness of the Easytap® panel), this difference must be compensated by the incorporation of steels omegas on the purlins that have the purpose of placing the panel sandwich and the Easytap® in the same plane (for example in the case of the 40 mm sandwich panel, a supplement with a steel omega of thickness 10 mm must be made). In order that the metallic elements do not scratch the inside of the Easytap® panel, it is recommended to place a neoprene gasket (EODM) in the areas where the panel rests.

The coefficient of thermal expansion of polycarbonate is significantly higher than that of structures and other plastic products, so it is essential to provide systems that allow the free expansion of the sheets. For fixing the panel it is necessary to make oval holes in the upper part of the overlaps with a diameter of 6 mm greater than the screw, placing a support under the greca to avoid vibrations during the realization of the hole.



Once the holes have been made, a silicone sealant is placed on the upper part of the panel's Greca to ensure tightness. After placing the panel longitudinally between two sandwich panels, the metal cap is placed and screwed in at the top in order to fix the greta of the Easytap® panel and the greca of the sandwich panel.



## Storage and handling



### KEEP SHEETS OUT OF THE RAIN

Sheets must be stored out of the rain to stop condensation forming inside the cells.



### KEEP SHEETS OUT OF THE SUN

In the event goods need to be stored while still in their packaging, do not leave the pallet in direct sunlight as this could generate high temperatures inside the packaging and make it difficult to remove the protective film on the sheets later.



### SHEETS HANDLING

Sheets must be handled with the utmost care to avoid damaging them with impacts or scratches, which would compromise the material's performance.



### SHEET STORAGE

You can stack sheets up to three packs or pallets high. To stop the product coming into direct contact with objects liable to cause damage, you should place spacers or planks between the packs or pallets and any such objects.



### USING LIFT TRUCKS

For safer and easier handling, you should use lift trucks with forks that can be spaced at least 2 m. apart and are at least as long as the pack or pallet is wide. Exercise the utmost caution, handling the load carefully and avoiding sudden movements so as not to cause the material to rock or bump up and down excessively.



### HANDLING BY HAND

If individual sheets are to be handled by hand, you will need at least two people to carry the sheet on its side. When picking the sheet up off the pack or pallet, you must lift it off cleanly so that it does not scrape against the one underneath and turn it to lie on its side next to the pack.

## Installation instructions



### ALLOW FOR THE POLYCARBONATE'S THERMAL EXPANSION

Sheets must be fixed so that they are retained by at least one whole cell length on each side; an allowance for the material's thermal expansion should be added to this measurement.



### REMOVING PROTECTIVE FILM AFTER INSTALLATION

Sheets come with a protective film on both sides. There is a printed film on one side of the sheet to show you that this is the side to face out. Remove the film as soon as the sheets have been installed.



### SHEET SEALING

Where sealing is necessary, only use silicone, sealants, gaskets and paints that are comparable with polycarbonate.



### SHEET TAPING

Seal the ends of the sheets by applying adhesive aluminium tape to seal the cells and stop dirt getting inside the chambers.



### SHEET CUTTING

Sheets can be cut using common cutting instruments, such as vertical, horizontal or circular cutters, or reciprocating saws, provided they are fine toothed.



### SHEET DRILLING

Sheets can be drilled, provided suitable bits are used. Nonetheless, we do not recommend piercing the sheet with through fixings unless they are suitable slotted to allow for thermal expansion.

## Maintenance



### SHEET CLEANING

To care for sheeting, we recommend cleaning at least twice a year with water and non-alkaline detergents. Do not use abrasive equipment or solvents, which could damage the surface of the sheeting.



### DO NOT WALK ON TOP OF SHEETS

Do not walk directly on top of sheets during installation. We recommend placing a suitable supporting element on top to distribute weight evenly.



## TECHNICAL DATA

**Easytap with Metal cap**  
**30 mm**  
Translucent sheet

**Code:** TDS-D-30-K03

**Inspection:** 01

**Valid from:** 20/07/18

**Page:** 4 of 4

T: (+34) 937 290 090 – T-SAC : (+34) 902 194 881

E-mail: [info@stabiliteuropa.com](mailto:info@stabiliteuropa.com)

[www.stabiliteuropa.com](http://www.stabiliteuropa.com)

