Provided By:
EncepCo Greenhouse & Supply
888-966-7877
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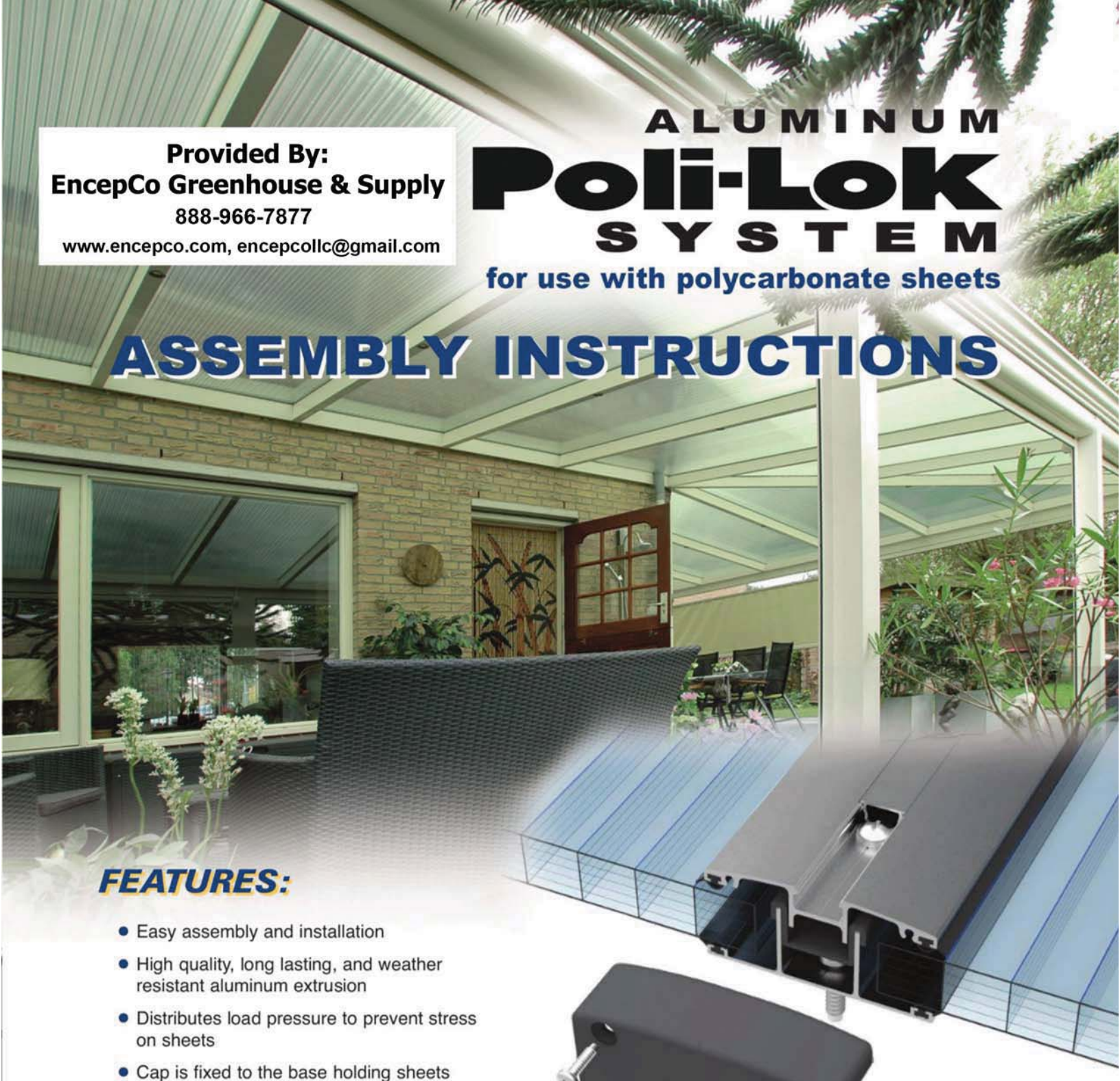
ALUMINUM Poli-LoK SYSTEM

for use with polycarbonate sheets

ASSEMBLY INSTRUCTIONS



FEATURES:

- Easy assembly and installation
- High quality, long lasting, and weather resistant aluminum extrusion
- Distributes load pressure to prevent stress on sheets
- Cap is fixed to the base holding sheets firmly in place
- High quality gaskets prevent the penetration of water, dust, and dirt
- Seamless finish with concealed screw covers

#7 by 1” pan head recessed screw for end cap

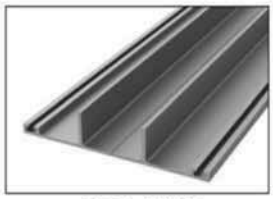
Designed to meet the highest roofing structural standards

ALUMINUM Poli-Lok SYSTEM

ASSEMBLY INSTRUCTIONS

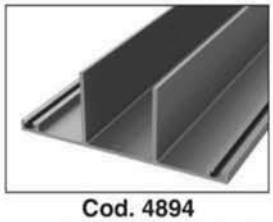
supplied materials

Cod. 2760
Gasket for Aluminum Profile



Cod. 4893
Lower Aluminum Profile H 2/12

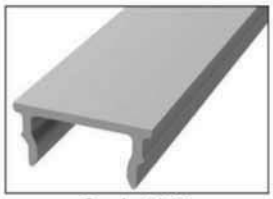
Cod. 2761
Thermal Brake Profile 2/25



Cod. 4894
Lower Aluminum Profile H 16/25

Cod. 4891
Upper Aluminum Profile with Hidden Screw 2/25

Cod. 4898
Poli-Lok Plug



Cod. 4892
Hidden Screw Profile 2/25

Polycarbonate
Supplied by Greenhouse & Supply

Recommended Accessories

16mm Aluminum U Profile

Galvanized Neoprene Backed Washer

Polycarbonate U Profile
6, 8, 10, 16, and 25mm U Profile
Comes in 4', 8', 12' and 24'

Bubble Washer

Vented Tape

Solid Aluminum Tape

Recommended Accessories not supplied by Gallina

#10 self-tapping fastener w/pan head
(1.5 - 2.5 inches)

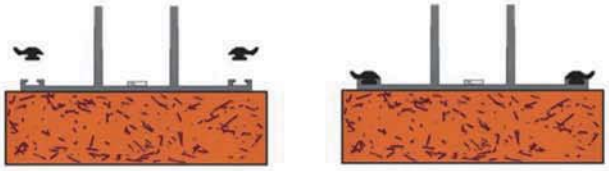
Flashing

Please read over all the following instructions prior to installation.

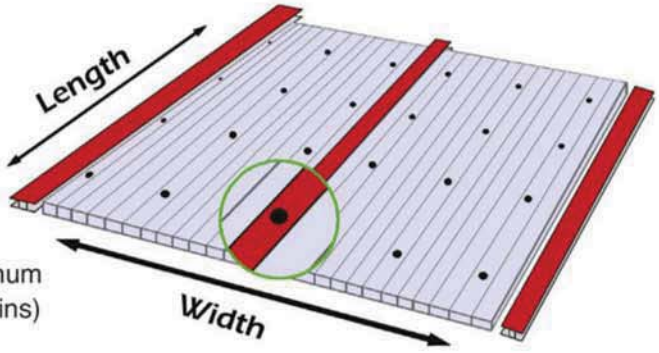
Any trimming of the polycarbonate should be done with a Jig or Circular saw.

Step 1 – Start working from the left side of the roof structure making your way to the right. Place the Lower Aluminum Profile (Cod.4893 or Cod.4894) evenly along the length of the left side rafter (or across purlins)

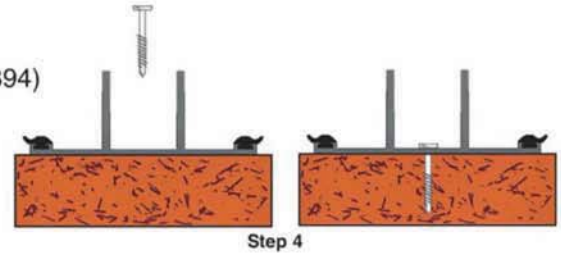
Step 2 – Insert the gaskets Cod.2760 into the left and right side of the Lower Aluminum Profile (Cod.4893 or Cod.4894). Trim the Gaskets to sit flush to the end of the Lower Aluminum Profile (Cod.4893 or Cod.4894)



Step 3 – Place the Lower Aluminum Profile (Cod.4893 or Cod.4894) on the far-left rafter (or purlin). Predrill every 2ft with a 1/4"drill bit through the middle of the lower Aluminum Profile (Cod.4893 or Cod.4894) and into the rafters (or purlins)



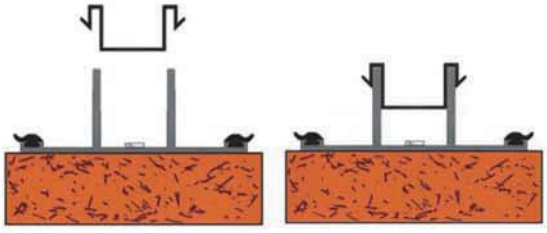
Step 4 – Fasten the Lower Aluminum Profile (Cod.4893 or Cod.4894) to the rafters (or purlins) using a minimum of 1 1/2 inch #10 recessed pan head self-tapping screws. ***DO NOT OVERTIGHTEN***



Step 4

Step 5 – Insert Thermal Brake Profile Cod.2761 into the Lower Aluminum Profile (Cod.4894 or Cod.4894)

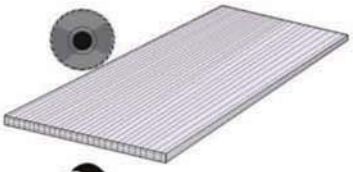
Step 6 – Moving right, repeat steps 2 through 5.



Step 5

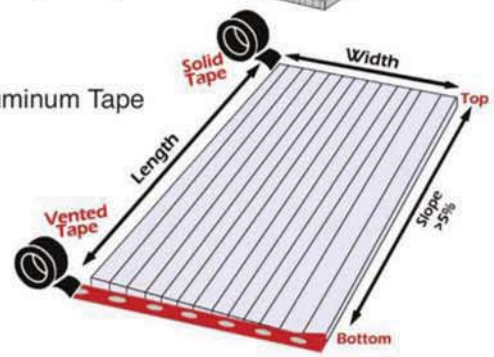
Step 7 – Measure the distance between the two profiles inside walls to get the dimensions of your sheet. Keep in mind there is 1/8th inch per 4ft needed for the polycarbonate to expand and contract.

Step 8 – Leave the polyethylene film on the polycarbonate sheet while cutting to length. These cuts need to be performed at a high speed while moving slowly down the sheet. Use a circular(80+teeth) or fine-toothed jig saw.



Step 9 – Peel the film at least 5 inches from the sides to apply Aluminum Tape to the top flutes and Vent Tape to the bottom flutes of the sheets.

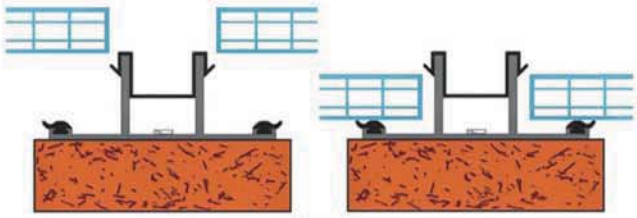
Step 10 – Cut the U Profile to the length of the Polycarbonate sheet and attach the ends.



Step 11 – With the UV side facing up, lay the Polycarbonate onto the Lower Aluminum profile (Cod.4893 or Cod.4894), leaving 1/8th inch per 4ft to allow the polycarbonate to expand and contract.

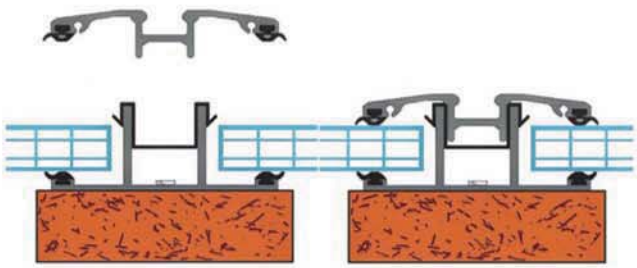
The following stages apply to the left most profile only
(Do not tighten the right side down before both sides are holding polycarbonate)

Step 12 – Insert the Gaskets Cod.2760 into the left and right side of the Upper Aluminum Profile Cod.4891. Trim the Gaskets Cod. 2760 to sit flush to the end of the Aluminum Poli-Lok.



Step 12

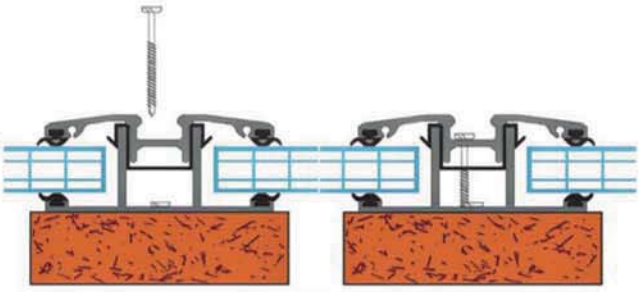
Step 13 – Join the Upper Aluminum Profile Cod.4891 to the Lower Aluminum Profile (Cod.4893 or Cod.4894) and clasp together.



Step 13

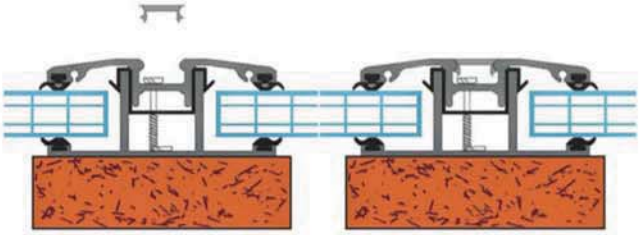
Step 14 – Predrill approximately every 2 feet using a 1/4 " drill bit. Predrill through the Upper and Lower Aluminum profile into the rafters or purlins. (Offset these screws from those already in the Lower Aluminum Profile so they do not collide or rub.)

Step 15 – Use #10 2 1/2 inch Recessed Pan head self-tapping screws to attach the Upper and Lower Aluminum Profiles to the rafters or purlins. ***DO NOT OVERTIGHTEN***



Step 15

Step 16 – Insert the Concealed Screw Covering Cod.4892 to the top of the Aluminum Profile Cod.4891

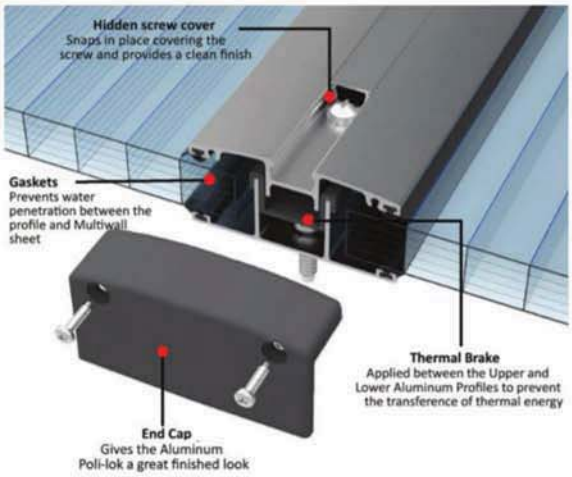


Step 16

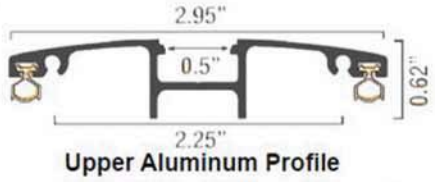
Step 17 – Move to the right and repeat the above steps until you reach the end of the roof.

Step 18 – When completed, attach the Aluminum Poli-Lok Plug Cod.4898 and cut to the desired length.

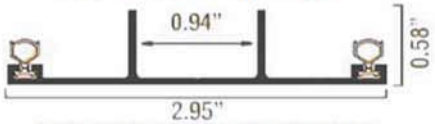
Step 19 – Once everything is screwed into place, flashing must be applied to the top of the structure where the polycarbonate meets the house. **(Flashing Not Provided with Cap & Base)**



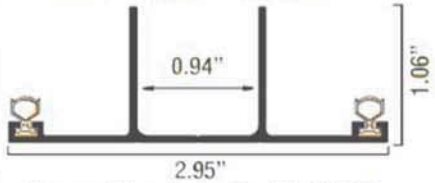
Step 20 – To further secure your structure, you may choose to fasten through the polycarbonate sheet and into the rafters (or purlins). To do this, predrill with a 1/4" drill bit, fasten using a #10 2 inch wood screw with a bubble or a galvanized neoprene backed washer in between.



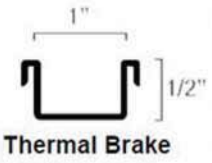
Upper Aluminum Profile



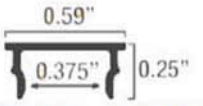
Lower Aluminum Profile 2/12



Lower Aluminum Profile 16/25



Thermal Brake



Hidden Screw Profile

"U" Profile