

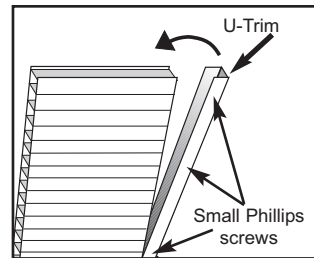
# HINTS FOR SOLEXX™ ROLL & PANEL APPLICATION

Solexx™ is very strong yet flexible, making it easy to work with and cost effective to ship. Due to its translucent characteristics it diffuses light exceptionally well. Creating an environment with no shaded areas nor hot spots and with an “R” value of 2.1 for 3.5mm paneling ( 2.3 for the 5mm paneling), it makes an ideal covering for greenhouses, end walls, light panels, car ports, etc.....the possibilities are endless. Remember that this product may have slight imperfections, or blemishes, but they are only cosmetic and will not affect the quality nor performance of the product.

## The Following are a few tips on how to handle this revolutionary material:

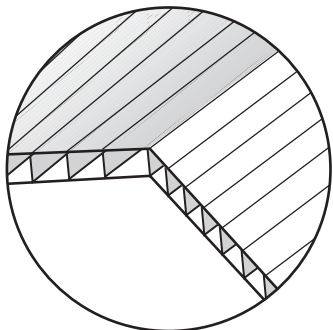
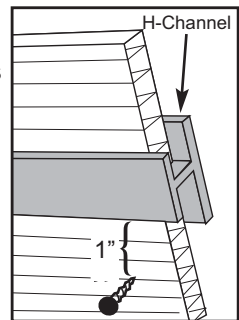
1. If the precut panel or length off of the roll is too curved for easy installation, try straightening it out by laying it out flat in a warm environment. Also, if the roll/panel has been in storage for a period of time, it may have developed a slight “yellow” tint from the UV inhibitor. Exposure to direct sunlight should quickly clear this up.
2. Apply the paneling when the temperature is at the mean (Yearly average) temperature for your area to allow for expansion & contraction.
3. We recommend that the framing (trusses) that will support your Solexx™ be placed 16” - 24” on center.
4. Solexx™ paneling can be applied with the flutes running in either direction on your structure. Placing your Solexx™ paneling so that the flutes run perpendicular to the framing adds to the strength of your structure. When attaching the screws to plastic or wood framing , we recommend using our 1” screws with neoprene washers which prevents water from leaking into the flutes. Our 3/4” drill screws are for installing you Solexx™ paneling onto metal framing. We suggest placing the screws about 18” apart on the stringers, and about 6” apart on the perimeter or any overlapped joint. Be careful not to over-torque the screws, or you may crush the paneling. The washers should just make a dimple in the panel.

5. **Cutting:** The panel is easily cut using a sharp thin utility knife or saw. It is helpful to attach the panel to your structure first, then use a sharp thin utility knife to follow the frame as a cutting guide. It works well to cut the panel with two passes of the knife. The 1<sup>st</sup> pass is with light pressure to score the panel and set the path the knife will follow for the 2<sup>nd</sup> pass. The 2<sup>nd</sup> pass would be done with more pressure to cut through the panel, while making sure the knife is following the score line of the 1<sup>st</sup> pass.



6. **U-TRIM:** On all 4' 1" ends of paneling where there are exposed flutes, you need to insert a 1/4" bead of IS800 “clear” Silicone Rubber Adhesive Sealant (caulking) into the flutes, to prevent water intrusion and to bring the paneling to its maximum insulation factor by trapping air in the middle of the panel. Then slide a U-trim over the end of the panel for a permanent cap. Secure U-trim with small phillips screws by poking a small starter hole in one side of the U-trim with an ice pick or small nail and screwing through one side of the U-trim and into the Solexx™ paneling. Place each screw approx. one foot apart. Put caulking in all the holes you created to stop water penetration.

7. **H-Channel:** Panels can be joined together using H-Channel, which seams the two panels together and helps to prevent water leakage. Attach one panel to your frame while leaving about 1/4" gap in between that panel and the next one you are attaching. This leaves enough space for you to slide the H-channel into place. Keep the screws approx. 1" from each side of the H-Channel. **Do not screw into the H-channel. \*\*Do not use H-channel on a roof, unless it is one continuous H-channel running from side-to-side. No H-channel clips on a roof.** If H-channel is difficult to slide on, try spraying the grooves of the H-channel and the edges of the panels with a little WD-40, Pam or try rubbing a dry bar of soap on the edges of the panels and tap on the end of the H-channel with a rubber mallet.



8. Do not use the panels to square your structure. Solexx™ rolls may not be perfectly square.
9. It's not necessary to cut Solexx™ when installing over roof peaks or around corners. You can score the panel using a straight edge and a blunt object such as a phillips screw driver or the handle of a butter knife (be careful not to cut the panel) and then fold the panel along the scored line. Solexx™ paneling can be scored in either direction. Either with the flutes or across the flutes.
10. Wipe down Solexx™ with soap and water once a year for maximum efficiency of light transmission.

**Please fill out the Warranty Card and send back to us as soon as possible, to make sure we have an accurate record of your purchase.**

**Any questions or concerns regarding this product, please give Adaptive Plastics, Inc.  
a call at 1-877-476-5399**

# Overlap vs. H-channel Installation

**Solexx™** can be installed vertically or horizontally as pictured below. H-channel is used to connect the panels when they are installed horizontally. It is easier on larger structures to run the material up and over. In that case, you can overlap the material. When you screw through both pieces, it compresses enough to form its own seal.

These panels are installed vertically with the screws spaced every 5" apart. It fits snugly enough together and overlaps far enough that it doesn't leak. You do NOT seal with Silicone. Silicone will not stick to Solexx, but it will attract a lot of dirt so you end up with a messy glob that serves no purpose.

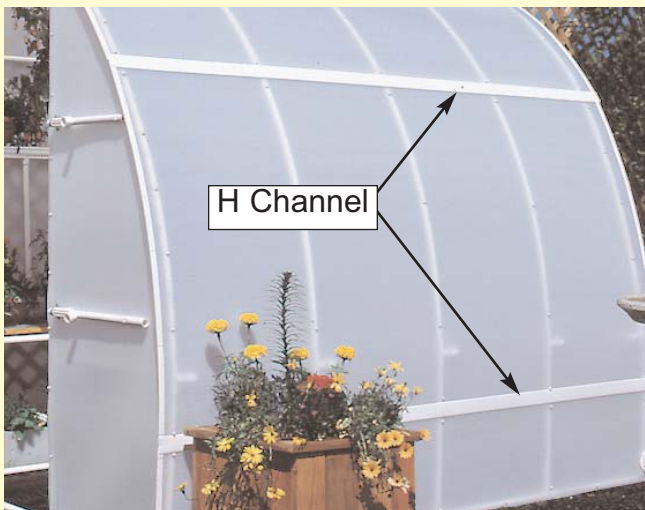


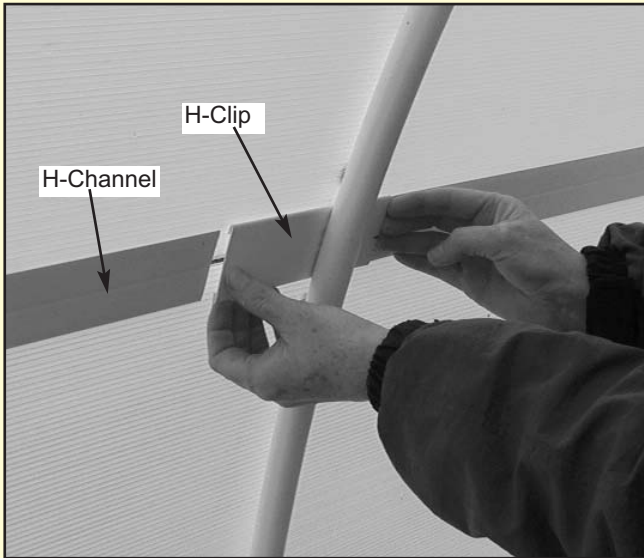
Photo of H-Channel installed.

Panels can be joined together using H-Channel. This locks them into place and can help prevent water leakage. Attach one panel to your framing and leave about a 1/4" gap when you're attaching the second.

Secure panels by placing screws into frame 1" from each side of H-Channel. Be sure to leave enough space for the H-Channel to slide between the panels without running into a screw. If H-Channel is difficult to slide on, try spraying grooves of the H-Channel and the edge of the panel with a little WD-40 or clear silicone spray. Also try taking a dry bar of soap and rubbing it on panels or tapping on ends with a rubber mallet.

# H-channel Clips

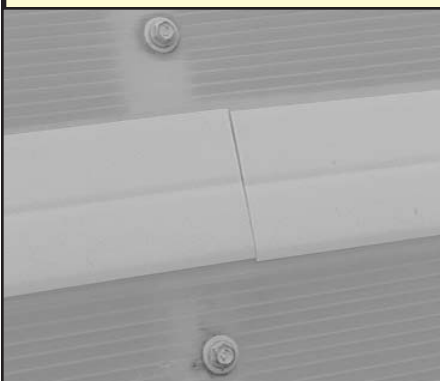
When H-channels are shipped alone or with the panels and rolls, we ship them in 4' sections. This cuts shipping costs because they fit inside the roll and reduces the chance of damage during transportation. To create a seamless joint between the 4' pieces, use the H-channel clips as shown in this illustration.



1. Slide the H-Channel between the panels leaving a couple inches between each piece of H-Channel. On the inside of the greenhouse, slide the H-Clip onto each end of the H-Channel pieces.



2. From the outside of the greenhouse, insert about a nickel-size gob of silicone caulking into the area between the H-Channel pieces.



3. Slide the H-Channel pieces in so they butt together.