

# SUN 'N RAIN®

PVC SHEETS BY PALRAM, INC.  
REVISION 1 · SEPTEMBER 2005

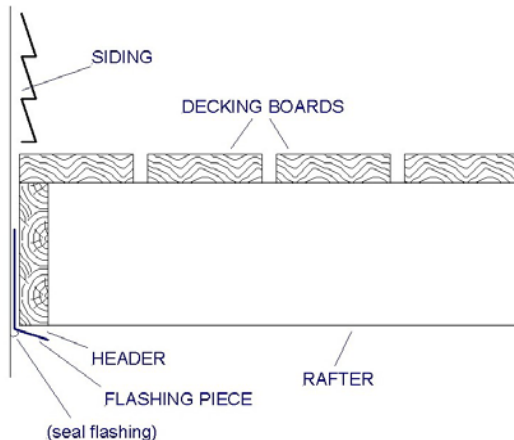
## BEFORE YOU BEGIN

Be sure to read these instructions completely before beginning. Make sure the color of all panels match. Be sure you have the correct product (Sun 'N Rain PVC panels have a round profile). Before installation, check local building codes for relevant specifications and recommendations. Follow local codes at all times.

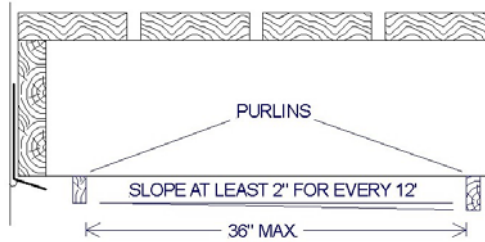
**Transportation, Handling and Storage:** Do not transport, leave or store panels in direct sun before installation. For outdoor storage, cover securely with a colored tarpaulin to heat build up between the panels. Do not stack other items on top of the panels. If panels are not stacked directly on the floor, be sure to support evenly.

## INSTALLATION STEPS

**1. Install flashing between the header and the wall of the house as shown below. Seal BENEATH the flashing at the wall.**

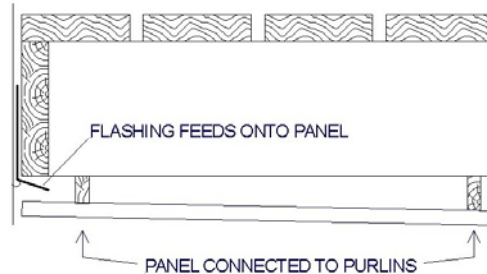


**2. Install purlins (cross-supports) across the rafters.** Begin by placing the first purlin across the rafters in front of the flashing piece that was installed in step one. Make sure that the purlins are installed so that a 2" to 12' pitch (see installation notes) will result in the application of the panels. Also, be sure that purlins are spaced no more than 36" apart.



**3. Cut the panels to the required length.** Be sure to use the measurement for the run length and not the measurement of the bottom of the deck. See the installation notes regarding the cutting of panels.

**4. Predrill all holes for panel installation through every other corrugation valley (see installation notes regarding drilling).** Fasten panels to the purlins with Woodtite fastening screws (see installation notes regarding fasteners). Where sheets connect, overlap them by one panel corrugation and seal them along the crest (see installation notes regarding sealants). Install sheets closest to the structure's wall first, insuring that the flashing installed in step one feeds under the panel as shown in the diagram below:



If the deck run exceeds the panel length, be sure to overlap subsequent panels by at least 4". Also be sure that extreme edges of the liner curve upwards in order to keep water from dripping.

**5. Install gutters and drainpipe according to the manufacturer's recommendations,** insuring that the runoff from the panels is properly collected.

## INSTALLATION NOTES

**To Cut Panels:** To cut the panels, use a circular saw with small teeth rotating at high speed, taking care to advance the saw slowly. It is also possible to use a portable electric saw (jig saw) or sheet metal shears. In any case, it is important to support the sheet in the vicinity of the cut and clean away the dust and debris generated by cutting.

**Drilling:** Drilling should be carried out with a drill bit intended for metal. It is important to support the sheet in the vicinity where the sheet is being drilled. The dust generated by drilling must be cleared away before the insertion of the screw. Special attention should be given to drill all required holes perpendicular to the face of the material.

**Purlins/Cross Supports:** Purlins should be at least three inches wide and should vary in thickness along the slope of the run. It is very important that a pitch of at least 2" for every 12' is used.

**Fasteners:** Use Suntuf EPDM washered fasteners only. NEVER use nails! For attachment to wooden decks, it is best to use 1" WOOD TITE EPDM Washered Fasteners (illustrated below). Pre-drill all holes (as described above) with a 3/16" drill bit to accommodate for the thermal movement of the panel. Failure to accommodate for the thermal movement will cause buckling of the sheet. DO NOT over tighten fasteners causing the rubber washer to compress.



**Fastener Tip:** Fasteners should be snug, but not over-tight. If the EPDM washer becomes deformed the fastener is too tight.

**Sealants:** For SUN 'N RAIN sheets use any sealant/adhesive recommended for vinyl (low modulus sealant that remains flexible when cured).

**Opaque Panels:** While SUN 'N RAIN is available in clear, for cosmetic reasons, it is recommended that only white or other opaque colored panel be used for this application.



Arcadia West Industrial Pk. · 9735 Commerce Circle · Kutztown, PA 19530

800-999-9459

WWW.PALRAMAMERICAS.COM