

# MR9 Corrugated Polycarbonate Translucent Panel Installation

Thank you purchasing DMI/PAI Sunsky polycarbonate panels. To achieve the top performance from the panels please follow the installation instructions below. Pre-drilling is required at all fastening points to allow for expansion and contraction of the panels. Polycarbonate panels are very strong but can be very susceptible to chemical damage. Please use care in the selection of any sealants that may come in contact with this panel (a full list of compatible sealants is available at <http://directmetalsinc.com/wp-content/uploads/2016/10/Sealant-Compatibility-Chart-for-DMI-Polycarbonate-Sheets.pdf>).

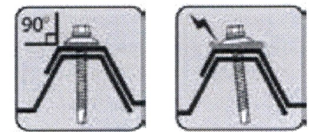


## FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

Pre-drill polycarbonate panels with 3/8" drill bit at all fastening points.

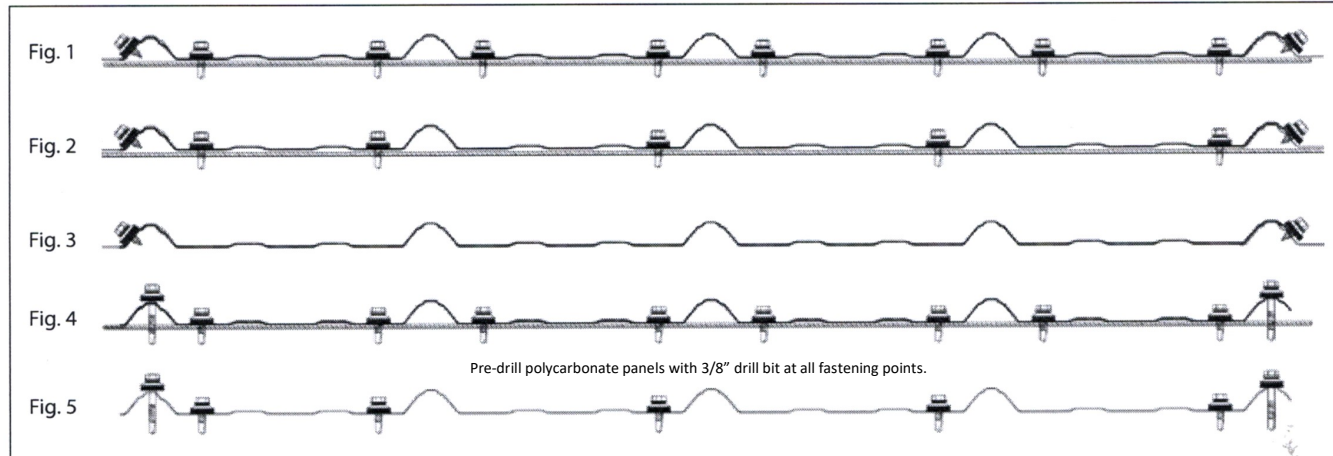
Valley Fixing	Crest Fixing	Side Lap Stitching
1/4" x 1-1/2" 304 SS Type with 3/4" EPDM PC washer with 55 to 65 shore hardness.	1/4" x 2-1/2" 304 SS Type with 3/4" EPDM PC washer with 55 to 65 shore hardness.	1/4" x 1" Stainless Steel Grommet Seal Assembly part# DMI210F100NWESN
Wood Substrates part# DMIREPL14150SSA Steel Substrates part# DMIREPL14150SSB (Steel Pre-drill 5.5mm drill bit 0.23")	Wood Substrates part# DMIREPL14250SSA Steel Substrates part# DMIREPL14250SSB (Steel Pre-drill 5.5mm drill bit 0.23")	(pre-drill both panels, drop-in and fasten)

- Apply sealing tape over the SUNSKY panel side-lap corrugation crests, where covered by the next panel.
- Apply sealing tape along the bottom and top end-lap (if there is one), along screw center line or two tapes on both sides of screw center line.
- Pre-drill 3/8" holes where screws are positioned.
- Fasten the screws according to the fastening illustrations below, starting from the first side-lap through, the pre-drilled holes.
- Fasten the side lap stitching screws at every 12-16 inches.
- Figure 1: End Purlin fastening schedule with Side Stitch Screw fastened through side of corrugation overlap (Option 1A).
- Figure 2: Intermediate Purlin fastening schedule with Side Stitch Screw fastened through side of corrugation overlap (OPTION 1B).
- Figure 3: Side Lap Stitch Screw only, in between purlins so that 12-16 inch spacing can be achieved.
- Figure 4: End Purlin fastening schedule with Side Stitch Screw fastened through corrugation crown (OPTION 2A).
- Figure 5: Intermediate Purlin fastening schedule with Side Stitch Screw fastened through corrugation crown. (OPTION 2A)



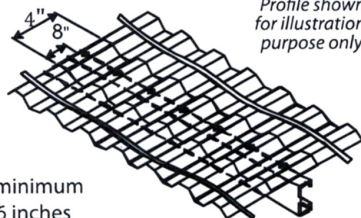
**DO NOT OVER-TIGHTEN!**  
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

## FASTENER LOCATIONS FOR THIS PROFILE



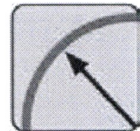
## PANEL OVERLAP AND OVERHANG

- Recommended longitude overlap of 8" above purlin.
- Each panel to extend 4" over the fixings line on the purlin.
- Panels should overhang a minimum of 2 inches and maximum 6 inches beyond the row of fasteners.



## CURVED ROOF APPLICATIONS

- Minimum curving radius 24 feet



Pre-drill polycarbonate panels with 3/8" drill bit at all fastening points.

Consult DMI approved sealant list before applying any sealants in contact with polycarbonate panels. DMI Butyl\*Roll butyl sealant tape is tested approved and suggested.

In as much as DMI and PAI has no control over the use to which others may install the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the materials should conduct his/her own tests to determine the material's suitability for their own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any DMI or PAI patent covering such use or as recommendations for use of such materials in the infringement of any patent. DMI, PAI or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our Company policies of continual product development you are advised to check with your local DMI or PAI supplier to ensure that you have obtained the most up to date information.

# Polycarbonate General Care



## General Polycarbonate Cleaning Guidelines

- Never use abrasive or high alkaline cleaners on any Palram polycarbonate products
- Do not leave cleaners on Palram polycarbonate for extended periods of time. Rinse immediately with cold, clean water.
- Do not apply cleaners in direct sunlight.
- Never use sharp objects, squeegees or razors on polycarbonate.
- Do not clean with gasoline.
- Always practice safety first and never step directly on a polycarbonate panel.
- Always test cleaners in a small inconspicuous area prior to cleaning entire panel to insure against adverse results.
- Avoid allowing the pressure washer spray tip to come too close to the panel. Pressure washers often have enough pressure at the spray tip to penetrate or tear the panel.
- Avoid dry cleaning, as sand and dust particles clinging to the exterior of the panels may scratch the surface.
- Avoid cleaning the interior surface of DYNAGLAS and THERMAGLAS, as the effectiveness of the anti-condensate coating can potentially be diminished, depending on cleaning method or material used.

## General Cleaning Instructions for all Products Listed at Left

All of the Palram polycarbonate products listed at left can be easily cleaned utilizing a soft sponge or cloth made from 100% cotton using lukewarm water and a mild dishwashing detergent. All surfaces should then be rinsed with cold water and dried with soft cotton cloth to reduce water spotting. In some instances this procedure may be inadequate and will require the use of additional cleaning agents. The agents listed below have all been approved for use at room temperature:

- Methyl alcohol
- Ethyl alcohol
- Butyl alcohol
- Isopropyl alcohol
- Heptane
- Hexane
- Petroleum ether (BP 65°)
- VM&P Naphtha

As is the case with all thermoplastic materials, certain chemicals can cause structural as well as surface damage and precautions need to be taken to avoid any aggressive cleaning agents. Should you desire to use a cleaning agent not on the approved list, please contact a Palram representative to inquire about our in-house chemical compatibility testing capabilities.

## Specific cleaning instructions for large roofing and wall applications

Palram polycarbonate products used for large commercial roofing and wall applications (SUNTUF, DYNAGLAS, SUNSKY, SUNTOP, SUNLITE, THERMAGLAS) can be cleaned in the same fashion as mentioned previously; sometimes, due to the sheets physical installation location, different cleaning apparatus need to be utilized. When polycarbonate products are installed in such applications, utilization of a pressure

**To purchase:** Direct Metals Inc offers our product through our registered distributors and wholesalers, to find a distributor please call 855-800-8878 or visit [www.directmetalsinc.com](http://www.directmetalsinc.com) for product information.