



Pacific Insulation Products

"Tomorrow's Needs, Today's Products, Service Now"

R-SEAL ROOF INSTALLATION INSTRUCTIONS



GENERAL

INTRODUCTION

Pacific Insulation Products Proprietary rigid polyurethane insulation (R-Seal) is specifically designed and produced for metal buildings and metal building erectors. R-Seal provides the most economical and lowest cost method for meeting continuous insulation, air barrier, and higher installed R-Value requirements in metal buildings.

With custom lengths, integral tape tabs, and individual project detailing, R-Seal installs faster than traditional blanket insulation with higher installed R-Values than Banded Liner Systems can achieve alone.

In addition to the install benefits of R-Seal it also provides a finished appearance in the interior of the building.

SAFETY CONSIDERATIONS

The installation contractor must have a site specific safety plan and other locally required material approved by OSHA and other required authorities.

Caution:

- R-Seal is NOT fall protection tested and should not be used as part of erectors fall protection plan.

- Cutting R-Seal can create excessive dust. Appropriate dust masks should be worn to avoid irritation.

Use needed personal protective equipment: Safety glasses, cut proof gloves, long sleeves, and dust masks.

BEFORE YOU START INSTALLING

- Inventory all bundles when they arrive at the site using the quantity markings on the end of the bundle to ensure all material is correct and onsite.
- All panels are custom. Review the drawings to ensure R-Seal panel is laid out in the proper location for install. **NOTE: IF YOU ARE CUTTING PANEL TO CHANGE LENGTH SOMETHING IS WRONG.** Call your sales representative or PIP before changing length of the panel (cuts are normally only required



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at windows, doors, and the angle cut at the top side of the end wall).

- Lift R-Seal packages onto the roof in a similar way to how you would stage your metal roof panels.
- Assemble the appropriate tools.

MATERIALS LIST

- R-Seal panel bundles
- R-Seal double faced tape
- Fasteners (optional – in conditions req.)
- Patch tape
- Support Material (Angle, Eave C-Channel, etc.)

EQUIPMENT AND TOOLS REQUIRED

In general you will need the same tools as would be required to install your metal roof panels.

- Scissor Lift
- Screw gun

PRE-INSTALL

1. Ensure that the proper J-Channel is installed at the eave ready to support the bottom of the panel so that it cannot shift during installation.



2. A light gauge ridge pan should be installed between the two ridge purlins so that there is a place for the roof panels to sit on where they meet at the ridge.

INSTALLATION

1. Find appropriate bundles of panel and fly them onto the appropriate areas of the roof. (This should be done at the same time as your crew is stocking the roof with metal panel – please note that product should be properly secured to the structure.)

PACIFIC INSULATION PRODUCTS [PO BOX 12604 EVERETT, WA 98206 PHONE 877-300-3794 FAX 425-905-7272]	
CUSTOMER: John Doe 555 Cedar Parkway Monroe, WA 98272	SURFACE BURN CHARACTERISTICS ASTM E84: Less Than 20/100 NFPA 286 Approved
PROJECT: John Doe Shop Building 555 Cedar Parkway Monroe, WA 98272	
PRODUCT: R-Seal: R30 Double Seal Tabs	
PRODUCT DETAILS: 10 Panel@ 20' X 40" X 4"	10

2. Insert lower panel into the eave J-channel and secure (some roof's will only have one panel others may have several panels between eave and ridge).



3. Use roof layout plan to continue installing proper panel in locations moving along the roof line.



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4. The tape tab should be pulled as you move forward on the roof. Tape tabs should not be left unsecured for more than a few minutes (Dust and jobsite conditions can affect the adhesive on the tape the longer it is exposed).



5. After the roof is on the interior tape tab should be smoothed out and adhered to the adjoining panel.



IMPORTANT NOTES:

- Exterior tabs should be taped tightly as the panel is being installed. Interior tabs should be secured the same day they are installed. Dust and other materials from the jobsite can affect how well the tape sticks if it is allowed to be open to the weather for too long of a period. This will in turn affect the integrity of the vapor barrier.
- Each jobsite and its conditions will be different. These instructions are meant to give a basic idea of how the product installs and are not meant to cover every scenario a contractor will encounter on a job. Best practices should be followed for every site based on independent job planning and evaluation of all factors involved in the job.