



R-Seal Design Considerations

The insulation package is a critical component of any Pre-Engineered Metal Building project and with any insulation choice it is very important to get all of relevant parties involved from the beginning to ensure a trouble free installation. For R-Seal projects the following need to be coordinated for a successful project:

METAL BUILDING PACKAGE

- Inform the PEMB manufacturer design team that you plan to use R-Seal rigid insulation.
This will allow for them to design correct trim package and sheeting lengths.
Confirm Standing Seam Roof Clips will come with bearing plate designed for rigid board.
- Order R-Seal Rigid Insulation system when the building is ordered.
PIP has a similar lead time to Insulated Metal Panels.
Ordering early ensures there is time to have the PEMB details and R-Seal layout reviewed by the erector and have changes made (if required).
- Determine supplier of Base and Transition trims.
PIP's recommended Base and transition details allow for fast install.
Send PIP details to PEMB Design contact so manufacturer knows what to supply.
Roof to Wall Transitions are very important as some manufactures may want structural fixed fasten points for eave clips.
Install becomes easier when J-Channel is used at the eave to support the panel for roof and wall R-Seal insulation packages.
PIP can supply trim as long as your manufacturer designs them into their prints.

ERECTION CONTRACTOR

- The erector's input is critical to success of your project.
Send installation instructions and video with the R-Seal Layout for erector review.
Have erector sign off on layout to ensure they have reviewed the details.

CONCRETE CONTRACTOR

- Foundation and Concrete Plans are very important in the design of R-Seal.
PIP's recommended details shows the panel sitting on the concrete.
Concrete must be out past the PEMB frame line by the width of the R-Seal product used.
If concrete is not designed correctly to support the panel other considerations can be made to support R-Seal at the base but this will need to be accounted for by the PEMB Manufacturer.

AIR BARRIER PROJECTS

- Projects that need to pass air barrier specifications will have very specific details and requirements.
When followed should make it very easy to comply with requirements with little extra labor.
Please contact PIP for guaranteed air barrier pricing.