

To Whom It May Concern:

As Project Manager for the past 12 years at Kaufman Construction & Development, a supply/erect builder of Garco & CBC steel building systems, I wanted to share our recent experience with Pacific Insulation's new R-Seal insulation system.

In the past, on fully conditioned buildings, we typically have used a banded liner system for the roof and walls to meet energy code requirements for the State of Washington. Under new code requirements, commercial buildings have to meet a higher R-value rating (creating a thicker wall profile) and have to be tested for air leakage. For this project, we will be using the blower door method for our special inspection requirement. In our quest to find a more efficient system without changing the structure of the building, we decided to try using R-Seal for the wall insulation application in lieu of a conventional banded system.

The project was a 57' x 120' x 20' Pre-Engineered Metal Building that included a combination of vertical and horizontal wall panels, door entry canopies and multiple framed openings (overhead doors, man doors, louvers and windows).

Under the banded liner system, we would have budgeted about 180 hours for the installation of the walls. This included application of the thermal break tape, attaching the insulation hangars, hanging the insulation/vapor barrier/strapping, and sealing to the rigid frame. It would not have included the time to remove and reattach the wall flange braces. It also would not include the required coordination with sub-trades who we normally involve in our schedule that install their systems before the vapor barrier is installed (Plumbing, Electrical, Fire Alarm, etc.).

Instead of the possible 180 hours, it only took our crew 20 hours to install the R-Seal on the walls of this project. Our crew found it simple to handle, straightforward to install, and easy to seal the tabs to finish the installation. It has a bright white appearance and we expect it to be a more durable finish than the banded liner fabric over the long term.

Another perk was that the installation was done in November. Rain or shine, you are able to install R-Seal without worrying about unpredictable Pacific Northwest weather. We also appreciated the finished appearance of the final product. With R-Seal, you have less patch work around flange braces, junction boxes, etc., thus giving you a cleaner look. We did not explore the possibility on this project, but for future buildings with R-Seal insulation, we need to see if the mechanical contractor can reduce the HVAC sizing requirement due to the increase efficiency of the building envelope.

Metal buildings are a critical part of our business and we are always looking at options that allow better efficiency during construction and better quality of the final product. We definitely plan on using R-Seal on future projects and are currently looking at taking it one step further by installing at the roof as well as the walls. If you're up against a tight schedule, R-seal is the way to go.

Sincerely,



Mike Swarthout

Project Manager

Kaufman Construction & Development, Inc.