

Revolutionary new Gold-Wall® Insulation used on Lambeau Field Renovation



Project:

The Lambeau Field renovation, home of the National Football League's Green Bay Packers®.

Product:

Gold-Wall Insulation Panels, a new single-step expanded polystyrene EPS foam panel insulation product.

Gold-Wall is specifically designed to provide a superior insulation system to traditional, multi-step z-furring systems. It is unique because it is factory-made with galvanized steel furring strips embedded directly in the product, and a polymeric laminate applied to each panel face. Gold-Wall provides improved thermal performance and significant savings on installation time and costs.

Application:

Gold-Wall was used as the primary insulation for the interior side of the exterior walls of the first and second levels of the new Lambeau Field.

Project Participants:

Installation Contractor: H.J. Martin and Son, Inc.
Joel Johnson – Project Manager
Jim Chambers – Project Foreman
Green Bay, WI

Timeframe:

The interior insulation work was done during the winters of 2002 and 2003. The grand opening of the renovated stadium was September 2003.

The Challenge:

H.J. Martin was looking for insulation panels that would save them time and money on the installation, and provide insulation that is superior to the standard product offerings.

"We were looking for something faster than the typical Z-furring process and Gold-Wall was the natural choice," said Joel Johnson, the H.J. Martin Project Manager on the Lambeau project.



The Performance

"You really don't know how much time you can save until you use it on a big job like this," said Jim Chambers, Project Foreman. "The installation went extremely well."

"In addition to eliminating the need to install furring strips separately, you also eliminate the extra step of having to add a laminate facer," said Johnson. "I bet we saved 35% off of our usual installation time by using Gold-Wall." "You end up with a better R-Value than you'd get with commonly used insulation systems."

The patented design and the resulting installation economies typically provide an overall project cost savings of approximately 20-25% over the traditional Z-furring and stud/batt methods. Gold-Wall also delivers enhanced thermal performance because the embedded metal furrings are completely isolated from the substrate, virtually eliminating the thermal bridging that invariably robs heat in traditional systems.

When combined with superior aged R-Value qualities of EPS foam, independent studies* have shown that the Gold -Wall outperforms competitive insulation systems by as much as 36%*. The polymeric laminate provides the finishing touch with a vapor perm rating of 0.07.

**The test was conducted by Construction Technology Laboratories of Skokie, IL, and the results are on file.*



Product Specs

Gold-Wall comes in 4' x 8' and 4' x 9' panels in widths that range from 1" – 2 1/2", and is constructed of EPS foam core (EPS 15) with embedded galvanized (G-60) steel furring strips (25 Ga.) positioned at 8", 16" or 24" centers.

It is the newest of the Gold Series product line, which also includes Gold-Fold re-siding underlayment and Gold-Guard exterior sheathing.

Ideal Applications for Gold-Wall

Gold-Wall is specifically made for the interior side of exterior walls made of concrete block, poured concrete, and precast or tilt-up construction. Although Gold-Wall is ideally suited for larger projects, installation labor savings can be realized on jobs of all sizes. It cuts easily with common tools so accurate cuts can be made to accommodate conduit, wall fixtures, windows and doors.