



“We’ve looked at alternatives in the past, but Honeywell’s Enovate is a good fit for AWIP because of its wide processing window, better insulation properties and reliable foam characteristics compared to traditional hydrocarbon alternatives. We are committed to a quick and smooth production ramp at the new facility in Little Rock and know we can rely on Honeywell technology and support to help make it happen.”

– **Mike Lowery**, Director of Operations, All Weather Insulated Panels Vacaville, Calif. USA

Enovate® 245fa Blowing Agent Improves Performance of Continuous Panel Process Lines

AWIP at a Glance

Established:	2004
Founders:	Mike Lowery Bill Lowery
Employees:	75
Locations:	California Arkansas
Products:	Insulated Panels
Services:	Trim/Accessories Shop Drawings
Markets:	Comm./Industrial Cold Storage
Region:	U.S. and Canada
Technology:	Continuous PIR/ IMP
Specialties:	Innovation Quality Service

AWIP Chooses Enovate 245fa for its New Facility

All Weather Insulated Panel (AWIP) a Vicwest company manufactures high quality wall and roof sandwich panels for the commercial construction industry. When it came time to expand their operations to a new facility in Little Rock, Arkansas, they had plenty of decisions to make including the type of capital equipment to purchase, the choice of polyurethane technology and blowing agent to use, product mix and countless others. In a highly competitive industry, getting any one of them wrong can spell the difference between quick success, or the long slow climb to profitability.

Mike Lowery, co-founder and director of Operations for AWIP, decided quickly that when it came to the choice of blowing agent the choice was clear – Enovate (245fa). “We’ve been using Honeywell’s Enovate for several years in our flagship plant. Along the way, we’ve tested some of the cheaper blowing agents in terms of cost per pound, but our experience was the cheaper alternatives were typically harder to process (higher scrap), produced less reliable foam, and led to customer claims far more often than Enovate The total

operating cost eventually exceeds whatever you think you're saving in raw material costs."

Using a proven system for the new plant controls a few key variables and allows AWIP to focus on other aspects of the business, like differentiating their product from the competitors. "In terms of competition, we feel Enovate gives us a certain advantage in that it produces a higher quality composite with consistently higher insulation performance than other common blowing agents, and we use this when discussing performance with our customers," Mike added.

The U.S. metal panel industry is aware of the phase-out of high global warming products dictated by international protocols and is taking steps to prepare for migration from HFCs to next generation technology that provide better insulation performance and an ultra-low GWP, without impacting the ozone layer* once that becomes a reality in the U.S. "We are keeping an

eye on the next generation technology blowing agents and the related regulations," said Lowery. "We like to be at the leading edge of technology and green processes, so when the time is right and our customers are ready, we'll be ready. This is another advantage we see working with Honeywell, because we know they already have the next generation technology ready to go and have done the required testing to make sure it works in our application." Honeywell's next generation blowing agent for IMP is Solstice® Liquid Blowing Agent (LBA).

The new AWIP facility in Little Rock is expected to be fully operational by September 2012 and will feature a new continuous panel line utilizing the most up-to-date technology capable of exceeding industry standards for product performance. The new facility is 90,000 sq. ft. and is fully climate controlled to ensure quality IMP manufacturing.

*Preliminary report: Analyses of tCFP's potential impact on atmospheric ozone; Dong Wang, Seth Olsen, and Donald Wuebbles, Department of Atmospheric Sciences University of Illinois, Urbana, Ill.

For More Information

To learn more about the benefits of Enovate Blowing Agents, call Honeywell at 1-800-631-8138 or visit

www.honeywell-solstice.com

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