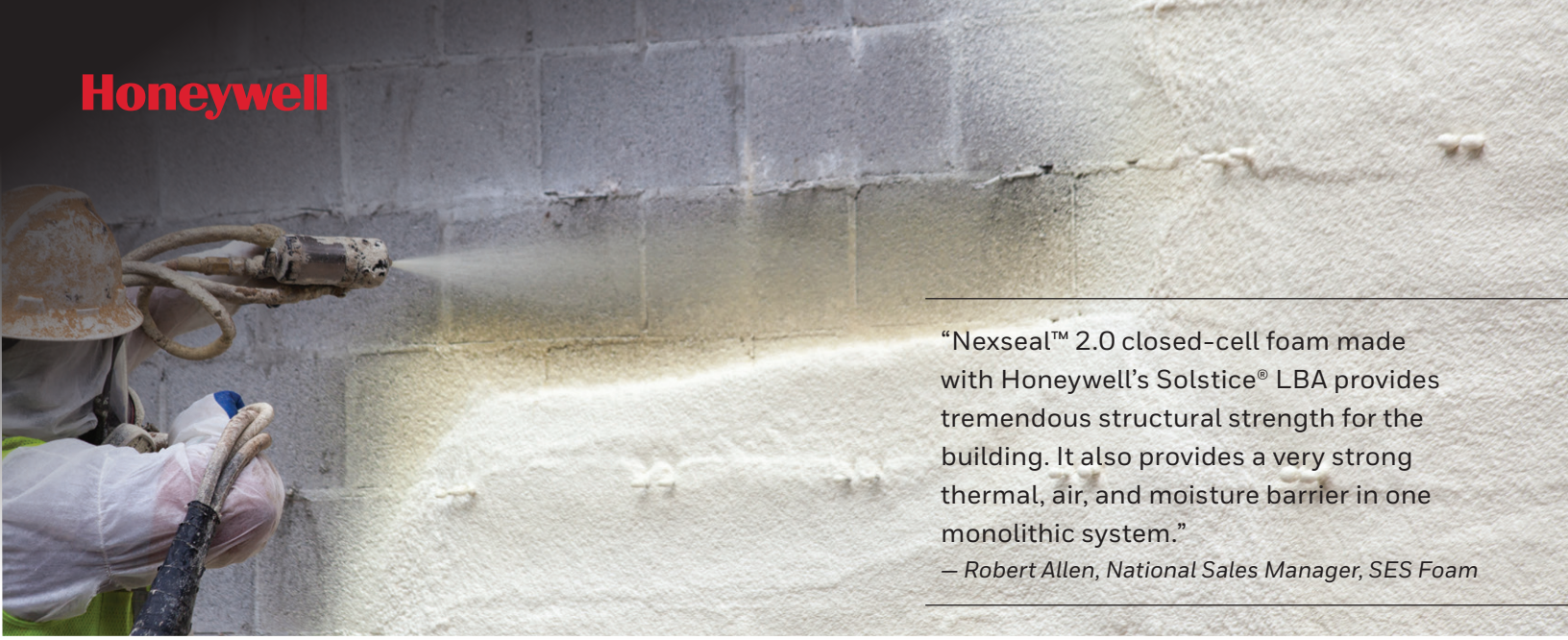

"Nexseal™ 2.0 closed-cell foam made with Honeywell's Solstice® LBA provides tremendous structural strength for the building. It also provides a very strong thermal, air, and moisture barrier in one monolithic system."

— Robert Allen, National Sales Manager, SES Foam

Nexseal™ 2.0 Closed-Cell Foam from SES Featuring Solstice® LBA Insulates Exterior of Commercial Buildings

Wall System Provides a State-of-the-Art Building Envelope for Distinctive Building Designs

THE OPPORTUNITY

Apply approximately 85,000 board feet of closed-cell spray polyurethane foam (ccSPF) to the exterior of two buildings at the new Pacific Box and Crate commercial and retail complex in Charleston, SC.

THE SOLUTION

SES Foam's new Nexseal™ 2.0 closed-cell foam formulated with Honeywell's ultra-low global warming potential (GWP) Solstice Liquid Blowing Agent (LBA) was applied at a two-inch thickness to seal, strengthen, and insulate each building's exterior.

It's a Natural Fit for SES to Adopt Solstice LBA in its Closed-Cell Foam

SES Foam's Nexseal™ 2.0 closed-cell spray foam formulated with Honeywell Solstice LBA was applied to the exterior of two buildings that are part of the Pacific Box and Crate development, a $25 million commercial and retail complex located in Charleston, South Carolina. The complex will be home to high-end office, retail, and restaurant venues.

Not only has Solstice LBA contributed to improvements in foam performance, its ultra-low GWP positions the new SES product well ahead of environmental regulations calling for a phaseout of hydrofluorocarbon (HFC) blowing agents in spray foam due to their high-GWP. SES chose Solstice LBA, which is based on hydrofluoro-olefin (HFO) technology, as an ideal replacement for HFC blowing agents. "We believe that adopting Solstice LBA in our closed-cell foam is a natural fit that aligns perfectly with our customers' needs and environmental focus," said Charles Valentine, chief operating officer, SES Foam.

With the Pacific Box and Crate project providing a superb showcase for its new closed-cell foam, SES partnered with one of the largest commercial spray foam contractors in the nation, Energy One America. "The project had three different architects and three distinct building designs," said Jason Pluchinsky, commercial operations manager, Energy One America. "Using SES' closed-cell foam with Solstice LBA satisfied all of their needs for an external insulation that also serves as an air and moisture barrier."

SES wall foam was applied directly to concrete block in certain areas of the building.

Solstice LBA benefits include:

- Ultra-low GWP of 1, which is 99.9% lower than the HFC blowing agents it replaces and equal to carbon dioxide
- Non-ozone-depleting
- Nonflammable (ASTM E-681)
- Listed under the U.S. EPA's Significant New Alternatives Policy (SNAP) program to replace ozone-depleting substances
- VOC-exempt per U.S. EPA
- Listed on the TSCA inventory and registered under REACH
- U.S.-based reliable supply from Honeywell

A Successful Installation with No Trade-Offs

"The application of the new SES closed-cell foam on this high-profile project is very exciting," said Laura Reinhard, Honeywell's global business manager for spray foam. "Solstice LBA has provided SES with both an environmentally preferable solution along with improved foam performance that has been further validated by the tremendous feedback from Energy One America."

Clint Allen, owner of Energy One America, described this multi-building project as another success. "When you look at a new system, one of the things we always see is an evaluation of trade-offs. When a formulation changes, we will often gain or lose something in sprayability, yield, performance, processing temperatures, or other variables. With Honeywell Solstice LBA, the great news is that we've seen no negative trade-offs in performance. The feedback I've received from our installers has been fantastic. Our customers are hungry for this product and we see this as a big win for us and our installers."

Additional SES Nexseal™ 2.0 spray foam benefits noted by Energy One America include:

- Superior yield
- Great sprayability
- Excellent adhesion
- Reduced gun clogging (longer spraying time before cleaning gun tips)
- Typical processing conditions and equipment used

"Another impressive characteristic of the new SES Nexseal™ 2.0 foam with Solstice LBA is its ability to easily integrate with other building systems including flashings, butyl tapes and other architectural details," said John Kish, vice president commercial sales, Energy One America.

SES Nexseal™ 2.0 Spray Foam with Solstice LBA is a Home Run

"Energy One America has the good fortune of working with some of the finest designers, architects, engineers, and builders in the country," said Kish. "Each one of them wants to design and build with the best products they can affordably incorporate into their projects. The SES Nexseal™ 2.0 foam with Solstice LBA is an excellent development in state-of-the-art building envelopes."

Kish added, "Incorporating Solstice LBA blowing agent into the SES product to make it more climate-friendly without impacting its effectiveness is a home run for everyone."

A Tremendous Opportunity

"We are thrilled to have teamed up with Honeywell and Energy One America on this project," said Robert Allen, national sales manager for SES Foam. "For the installation, Energy One is accustomed to working on large-scale projects such as this one. They are committed to detail, quality assurance and customer service."

Following the launch of its Nexseal™ 2.0 closed-cell spray foam, SES is planning to introduce roof foam also featuring Honeywell's Solstice LBA. As an industry-leading contractor, Energy One America is eager to continue installing the new SES products and sees tremendous opportunity for this advanced foam technology with its customers.

"The Solstice LBA product has been readily accepted and our customers are very happy," said Clint Allen. "The product is performing beautifully and we couldn't be more pleased with the installation. I see no reason to expect anything other than total acceptance by the market."

> "Incorporating Solstice LBA blowing agent into the SES product to make it more climate-friendly without impacting its effectiveness is a home run for everyone."
>
> — John Kish, Energy One America

The closed-cell foam provided an all-in-one air, moisture, and thermal barrier while also increasing the building's structural strength and durability.

Energy One America's crew experienced improved yields, excellent adhesion and reduced gun clogging with the new SES foam featuring Solstice LBA.

Applicators were also impressed with the foam's sprayability and smooth surface finish.

Contact Honeywell

To learn more about the benefits of Solstice LBA for your next project, visit hwll.co/ba

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