

Ty Pennington Selects Lapolla Spray Foam Insulation with Honeywell Solstice® LBA for His NextGen Home

“When considering insulation for my new home, I chose Lapolla’s closed-cell spray foam made with Honeywell Solstice® LBA for its outstanding performance and low global warming potential.”

Ty Pennington – television host, designer and carpenter

The Challenge:

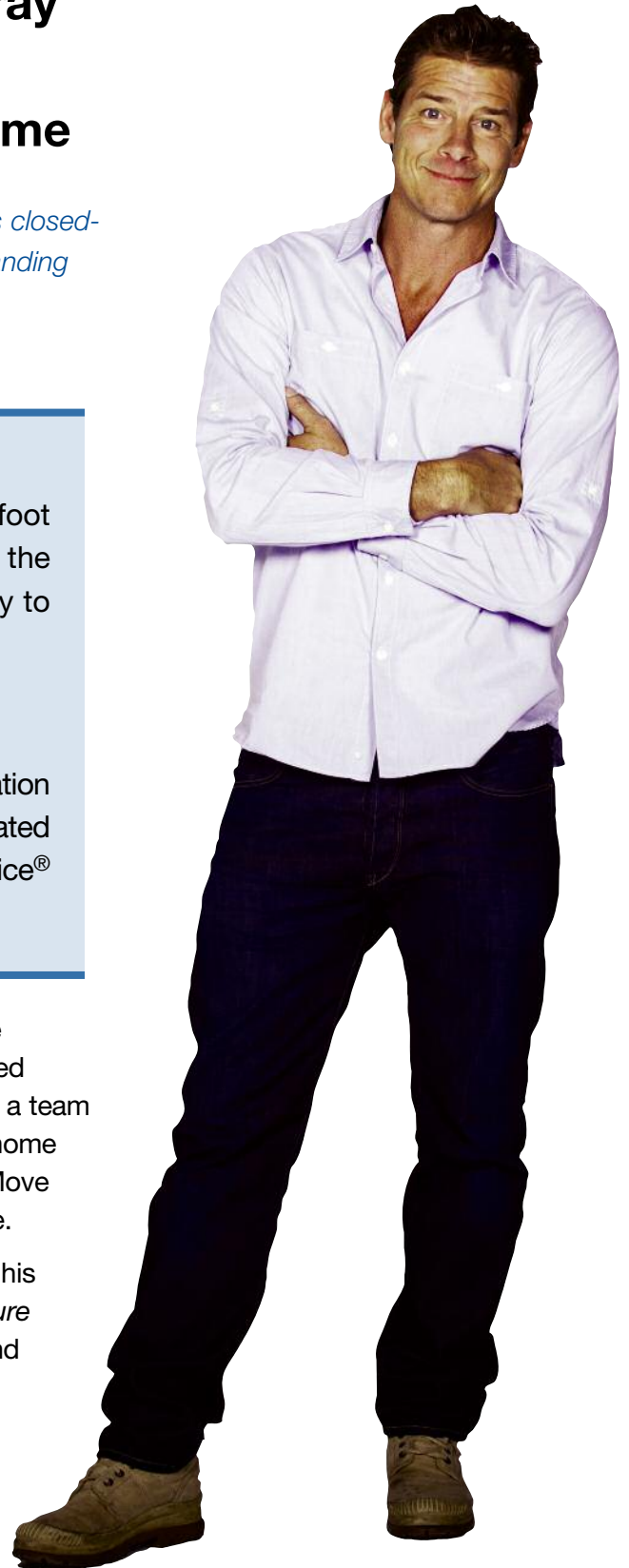
When selecting insulation for his new 6,500 square foot residence in Palm Coast, Florida, Ty Pennington wanted the latest in energy-efficient technology and a proven ability to withstand severe coastal weather.

The Solution:

A new closed-cell spray polyurethane foam (ccSPF) insulation wall system developed by Lapolla Industries, Inc., formulated with Honeywell’s ultra-low global warming potential Solstice® Liquid Blowing Agent (LBA).

As the Emmy-award winning host of ABC’s hit program, *Extreme Makeover: Home Edition* from 2003 to 2012, Ty Pennington helped rebuild more than 200 homes for deserving families working with a team of skilled contractors and community volunteers. Each extreme home transformation culminated with him belting out his famed line, “Move that bus!” followed by the family touring their beautiful new home.

More recently, Pennington has been showcasing construction of his Florida residence in a series called, *The NextGen First to the Future Project* aired on NextGenHomeTV.com. He shares information and advice about next generation building techniques and materials. In Episode 4, Pennington describes the importance of air sealing and insulation, “The spray foam insulation, along with the vapor barrier house wrap, will reduce the loads on your HVAC system and will also keep the moisture out to stop the growth of mildew, mold and other allergens.¹”





The applicator wore proper protective equipment and followed safety procedures throughout the installation.

Exceeding Performance Expectations

Pennington selected Lapolla's new Foam-Lok™ 2000 4G insulation featuring Solstice LBA for the home and is actively helping promote its benefits, "Lapolla's spray foam insulation creates an air tight barrier around the envelope of your home and this keeps the unwanted external air out and the comfortable air in, creating lower energy costs for you," says Pennington.² Given his focus on using leading-edge materials with positive environmental attributes, Lapolla's ccSPF wall insulation was an ideal solution.

"When formulating our new ccSPF wall system, we chose Solstice LBA because of its better thermal properties and better yield," said Justin Strombeck, technical services manager, Lapolla, who was on-site during installation. "It's performing well beyond what we were expecting. The enhanced attributes, as a near drop-in blowing agent, are tremendous. We didn't have to change much in our system and we get a lower global warming potential by a big factor. We are seeing a lot of other benefits with its workability." Some of the additional benefits being seen by Lapolla include:

- Increased yield (8-10% over previous generation products)³
- Improved thermal performance by up to 10%³
- Outstanding foam adhesion
- Consistency during application (minimal temperature adjustments)

Peter Scharf, a technician at BMP Spray Foam, sprayed the new ccSPF system in Pennington's home and commented on the foam's even consistency and overall sprayability. "It sprayed the same way from the first pull of the spray gun trigger all the way through to the end," said Scharf. "Because it expands a little slower than some other systems, it's easier to control and worked really well on the framed walls. Our crew liked it and we didn't have any problems. We'll definitely spray a Solstice foam system again."

Solstice LBA – An Ideal Replacement for HFC Foam Blowing Agents

Lapolla was the first to launch a next generation spray foam wall insulation containing Solstice LBA technology. According to Strombeck, "We were using HFC-245fa in our system. Because of its low global warming potential, we decided to skip all the other processes and go with the best blowing agent we can get – Solstice." Some key advantages of Solstice LBA include:

- Ultra-low global warming potential (GWP) of 1 (99.9% better than HFC alternatives)
- A slightly lower molecular weight so less material can be used in a system
- A higher boiling point and lower vapor pressure, which improves handling and yields smoother foam surfaces
- Improved thermal performance

In addition, Solstice LBA is:

- Nonflammable (ASTM E-681)
- Listed under the U.S. EPA's Significant New Alternatives Policy (SNAP) program to replace ozone depleting substances
- Listed on the TSCA inventory
- Not a volatile organic compound (VOC) as determined by the U.S. EPA



Lapolla's new ccSPF insulation formulated with Solstice LBA performed flawlessly throughout the installation.

Solstice LBA— A Star in the Making

Bruce Alkire, Honeywell account manager, summed up the installation and overall project experience, “The system performed very well. The contractor, the subcontractor and everyone involved was very well organized, operated very safely, efficiently and did a tremendous job.” When it comes to high-performance foam blowing agents, Solstice LBA is clearly a “star in the making.”



Ty Pennington

Photo courtesy of Lapolla Industries



Not only was ccSPF insulation installed in Ty's home for its energy efficiency, it can help the structure withstand severe coastal weather while providing comfort inside.

Contact Honeywell to Learn More

To learn more about the benefits of Solstice LBA in
new residential/commercial construction or retrofits,

call Honeywell at **1-800-631-8138**

or visit **www.honeywell-blowingagents.com**

1 www.nextgenhometv.com – NextGen First to the Future Home Series, Episode 4

2 www.lapolla.com - Ty Pennington video on website home page. Courtesy of Lapolla Industries.

3 www.lapolla.com/foam-lok-2000-4g

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