

Optimizing the Cold Chain.



Maximum Thermal Efficiency. Environmentally Responsible.



**Up to two-thirds
of all food is lost
or wasted before
it is sold.**



Why the cold chain matters.

The sources of food we eat vary widely. Our meals often come from a county, a country or even a continent away. Cold chain management of perishable food items – that is, keeping food at a controlled, healthy, safe and optimal temperature throughout its supply chain – is critical to making this convenience possible.

According to foodlogistics.com, cold chain warehouses have grown over the past two years by 20% globally. But despite such growth, approximately two-thirds of all food is lost or wasted before it is sold, and experts now agree that more efficient, more effective and more widely adopted cold chain practices could reduce this waste and actually help prevent hunger in many parts of the world.

FSI's insulation products play a critical role in the global cold chain which helps deliver fresh and healthy food from harvest to table. We're proud of the fact that you'll find our insulation products strengthening almost every link in the cold chain, not only in your neighborhood, but around the world.

ecomate® technology makes it all possible.

Many of our insulation foam products (Ecofoam® & Ecospray™) begin with our globally patented Ecomate® liquid blowing agent (LBA) technology. Ecomate® technology provides superior thermal efficiency and industry-best environmental benefits, including zero global warming potential (GWP), zero ozone depletion potential (ODP) and VOC exempt status. Ecomate® is SNAP listed, and meets current and future regulations from the US EPA and other worldwide regulatory agencies who have adopted for the phase outs of harmful blowing agents.

Benefits of Ecomate® technology:

It's PROVEN! Foam systems based on Ecomate® technology have been used since 2003. No other blowing agent can match its track record and performance.

Change is EASY! Transitioning to Ecomate® typically requires no change in equipment or production processes. When using our technology, you will end up making better products and reduce overall costs while maintaining responsibility as a corporate citizen by helping to protect the environment. That's what we mean when we say "Better Products. Better for the Environment."

"We're extremely proud of the improvements our Ecofoam® family of products have shown in increasing cold chain effectiveness from beginning to end, while maintaining the highest responsibility of protecting our environment."

– Karl Meland, Global Business Director, NAFTA



ecospray® – Keeping things cool.

Fresh foods such as produce, dairy, meats and fish have to be processed, handled and stored in buildings with carefully controlled temperatures during their journey. Ecospray® closed cell spray foam plays an important role in the design and construction of cold storage warehousing.

You'll find Ecospray® used in commercial building projects, including those used for agriculture, food processing, cold storage and more. And with good reason: Ecospray® provides superior thermal insulation with no harmful effects on the environment.

ecofoam® – Superior thermal performance.

Some of the world's leading producers of walk-in freezers and coolers, refrigerated cases, cold food holding and other commercial refrigeration/foodservice equipment have chosen Ecofoam® rigid foam as the insulation of choice in their products.

Ecofoam® helps OEMs' products meet the highest industry standards, with superior thermal performance, plus excellent structural and adhesive qualities, with unmatched consistency. The same is true for manufacturers of refrigerated truck bodies, rail cars, insulated shipping containers and other modes of transport used throughout the cold chain.

Ecofoam® can also be found in structural insulated panels (SIPs) used in wall and roof construction, as well as in the doors and other components.

FSI – Turnkey provider.

FSI offers you "one stop shop" convenience for all your PU foam production needs – including chemical systems, dispensing equipment, customer service and on-site technical support.

We can provide standard off the shelf products like Ecofoam®, Ecospray™, and EcoStar™, or customize a system to your specific application.

And while we are the only polyurethane supplier that manufactures our own proprietary dispensing products, we can also offer you a wide range of options through our partnerships with leaders in the PU foam equipment industry. In addition to dispensing solutions, we provide presses, fixtures, carousels, processing solutions, bulk storage and more.

Visit fsi.co to learn how our foam systems can help your products perform better, cost less and be better for the environment.

Transport

- Refrigerated trucks and railcars
- Insulated shipping containers
- Cold storage facilities

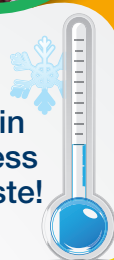


Harvest

- Agricultural buildings
- Food processing plants
- Interim storage

We make a difference in every link of the cold chain.

A better cold chain means less food waste!



Retail

- Reach-in coolers
- Display cases
- Beverage and vending



Commercial

- Walk-in coolers and freezers
- Refrigerated cabinets
- Prep or serving lines



Consumer

- Refrigerators
- Freezers
- High-performance coolers

Success through *Innovation*



ECONOMICAL



THERMALLY
EFFICIENT



STRUCTURALLY
SOUND



ENVIRONMENTALLY
BENIGN



**Better Products.
Better for the Environment.**

fsi.co
ecomatetechnology.com

ecomate®



Ecofoam® and Ecospray™ are made with Ecomate® liquid blowing agent (LBA) technology, which has been approved by the US EPA's Significant New Alternatives Policy (SNAP) Program to replace harmful ozone depleting and global warming polyurethane foam blowing agents since 2003.



RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY

FSI is a member of the American Chemistry Council, and supports the Responsible Care initiative for member companies to continuously improve their health, safety and environmental performance.