



Our Chemistry Builds a
Better Tomorrow

Setting new
standards.





FSI is a polyurethane chemical and equipment supplier with **global reach.**

At FSI, our mission is clear: to serve as a solutions-driven company dedicated to making a positive impact on the environment. Through our innovative approach, we specialize in designing and manufacturing sustainable, cost-effective, and energy-efficient polyurethane foam systems. Renowned for our meticulous attention to detail, technical expertise, and ethical business practices, we are committed to delivering solutions that enhance lives and drive meaningful change.



ecomate[®]

Environmentally Friendly Blowing Agent



Environmentally friendly blowing agent and family of polyurethane systems.

Ecomate® blowing agent technology was born from the innovation of the FSI Chemistry Department. The advent of Ecomate® technology and its evolution has become yet another benchmark in FSI's history of formulating superiority and affirms our slogan – **Success Through Innovation.**

Versatility across multiple product offerings.

Ecomate® is a versatile liquid blowing agent that has been designed to enhance rigid insulating foams, spray foams, integral skin foams, and a range of flexible foams. With our worldwide distribution team continuously exploring new applications, this environmentally benign blowing agent stands as a leader in sustainable solutions.

Ecomate® is celebrated for its non-GWP, non-ODP, and VOC-exempt properties, ensuring compliance with present and future regulatory standards. It proudly holds a place in the U.S. EPA's SNAP program, offering an eco-friendly alternative to ozone-depleting substances.

End Use Applications

- ✓ Rigid Foams
- ✓ Spray Foams
- ✓ Integral Skin Foams
- ✓ Flexible Foams
- ✓ Reaction Injection Molding
- ✓ Roto-Mold Applications
- ✓ Pour-in-Place Applications
- ✓ Viscoelastic
- ✓ Appliances/White Goods
- ✓ Automotive
- ✓ Boardstock
- ✓ Continuous Panel Manufacturing
- ✓ Commercial Foodservice
- ✓ Refrigerated Transportation
- ✓ SIPs & Discontinuous Panels
- ✓ U.S.C.G. Marine/Flotation





ecoflex™

Integral Skin and Flexible Polyurethane Foam



Flexible foam systems with wide range of processing latitudes.

Flexible foams made with **Ecoflex™** produce unrivaled performance results in many aspects of product design including comfort factors, noise reduction and tear resistance. With the versatility you should expect from a flexible foam system, Ecoflex™ also offers the possibility of significantly low density ranges, as low as 2.5 pcf.

Integral skin foam systems with premium “fit & finish.”

Inner foam densities range from pillow soft to very firm, with skinning that provides intricate decorative detail and rich, bold, vibrant color. **Ecoflex™** integral skin foam systems are customizable to best suit your needs. Whether you would like to utilize UV stabilizers or anti-bacterial additives, FSI is your turnkey solution provider to customize formulas that achieve the results you desire.

Our team of industry respected chemists are able to formulate to your exact specifications, including a virtually unlimited array of comfort levels, feels and firmness options.

End Use Applications

- ✓ Steering Wheels
- ✓ Medical Applications
- ✓ Furniture
- ✓ Footwear
- ✓ Gearshift Knobs
- ✓ Headrests & Armrests
- ✓ Sporting Goods
- ✓ Promotional Items
- ✓ Automotive Seating
- ✓ Pillows
- ✓ HVAC Components
- ✓ Carpet Backing
- ✓ Textiles
- ✓ Bedding
- ✓ Vibration & Sound Dampeners





ecofoam[®]
Premium Rigid Foam Systems



Superior insulation for a wide range of products.

Ecofoam® is a two-component rigid polyurethane system designed for use in a wide range of industrial, commercial and consumer products. With performance that has proven superior in side-by-side comparisons to other systems made with HFCs and HFO/HCFOs, Ecofoam® is the clear choice for companies that are searching for sustainable solutions that protect our planet.

Our customers produce some of the world's best products with Ecofoam®, often while reducing overall costs with little or no changes to production processes and equipment. Ecofoam® provides many needed benefits including excellent flowability, superior adhesion, and wide processing latitude. These numerous qualities are why you'll find Ecofoam® in everything from appliances and foodservice equipment to building panels, entry and garage doors, HVAC equipment, refrigerated transportation and more.

End Use Applications

- ✓ Appliances
- ✓ Commercial Refrigeration
- ✓ Entry Doors
- ✓ Garage Doors
- ✓ Foodservice Equipment
- ✓ HVAC Products
- ✓ Insulated Piping
- ✓ Portable Coolers
- ✓ Refrigerated Transportation
- ✓ Rotational Molding
- ✓ SIPs
- ✓ Spas
- ✓ Walk-In Coolers
- ✓ Water Heaters



**Thermal
Efficiency**



**Moisture
Control**



**Air Flow
Management**



**Structural
Enhancement**



**Sound
Abatement**



**Environmental
Responsibility**





ecomarine™

2-Component Rigid Polyurethane Foam



Flotation and comfort boating foam with lifetime performance.

FSI works alongside the marine industry to provide polyurethane foam systems that deliver consistent performance and support sustainable practices. Our solutions are built to meet the demands of a wide range of industries and applications.

Ecomarine™, the marine industry's proven environmentally friendly flotation foam solution, has excellent flotation properties to keep all types of watercraft afloat while enhancing structural integrity. It also complies with US Coast Guard requirements under Title 33 CFR §183.114. Made with Ecomate®, our proprietary liquid blowing agent technology, Ecomarine™ is unmatched at preserving the environment.

As the world transitions away from excessive carbon emissions, Ecomarine™ offers marine manufacturers an environmentally-friendly, non-HFC foam solution that allows them to meet both the regulatory requirements and sustainability goals. Many US and international boat manufacturers have implemented FSI's marine foam solutions, typically without disruption in production or added capital expense.

PFAS-FREE • US EPA SNAP Compliant • No GWP, ODP or VOC
US Coast Guard Compliant (Title 33) • Superior Flotation Properties • Professional Technical Support





ecospray[®]

Proven Spray Foam Technology



Environmentally responsible spray foam insulation.

From walls to ceilings and everywhere in between, **Ecospray®** from FSI offers the ideal choice in spray foams. No longer does environmental obligation mean compromising performance.

Ecospray® delivers the highest insulating performance and climate control without damaging the ozone layer or contributing to global warming. Ecospray® is US EPA SNAP compliant, HFC-free, and outperforms other closed cell spray foams. In addition to offering best-in-class thermal efficiency and air sealing security, Ecospray® provides enhanced structural integrity within the building envelope.

Climate Control:

- ✓ Industry Leading R-value
- ✓ Moisture Barrier
- ✓ Excellent Air Barrier

Other Advantages

- ✓ Enhanced Structural Integrity
- ✓ Sustainable Building Technology
- ✓ Unmatched Regulatory Compliance

Learn how **Ecospray®** delivers thermal efficiency, air sealing, and added structural integrity at fsi.co/ecospray



Thermal Efficiency



Environmentally Responsible



Air Flow Management



Moisture Control



Structural Enhancement



Sound Abatement





Water-Blown Pour-in-Place Foam Systems





Versatile range of applications.

Genfoam™ 100% water-blown rigid pour-in-place systems are suitable for producing molded parts where thermal performance is not critical, such as composite cores, flotation, decorative trim, artificial landscaping and taxidermy.

This two-component rigid polyurethane system is designed for use in a wide range of molded industrial, commercial and consumer products. With excellent performance in side-by-side comparisons to other systems made with HFCs, HFO/HCFOs, Genfoam™ is a natural choice for companies that are searching for sustainable solutions that protect our planet.

Our customers produce some of the world's best products with Genfoam™, often while reducing overall costs with little or no changes to production processes and equipment.

Benchmark of environmental compliance and responsibility.

We've built our company around providing our customers with innovative solutions that won't harm the environment, and **Genfoam™** is a great example of how that commitment continues on. Powered by water, Genfoam™ has NO Global Warming Potential (GWP), NO Ozone Depletion Potential (ODP) and is VOC-exempt, meaning it does not create smog.

End Use Applications

- ✓ Automotive
- ✓ Boat Hulls
- ✓ Construction Materials
- ✓ Crafts
- ✓ Docks
- ✓ Fencepost Setting
- ✓ Medical Models
- ✓ Millwork
- ✓ Molding
- ✓ Nautical Buoys
- ✓ Sculpture
- ✓ Signage
- ✓ Taxidermy





Proven Spray Foam Technology



Portable, disposable, multi-purpose rigid polyurethane froth-based foam system.

GenSpray™ is a rigid, froth-based polyurethane foam system developed by FSI for a wide variety of uses, including insulation, cavity-fill, sealant, flotation, transportation, construction and more. This closed cell foam technology also offers many proven performance advantages like excellent thermal efficiency, moisture control, air flow management, structural enhancement, sound abatement, adhesion and more – all in a convenient, easy-to-use and dispose of kit.

Easy to use, no matter the application.

FSI's **GenSpray™** is easy to transport, set up and use, right out of the box, with just a few simple steps. What's more, the kit is easy to store and reuse, too. Most importantly GenSpray™ offers a versatile and economical alternative to other large, expensive equipment options that often require major capital investments.

End Use Applications

- ✓ Insulating & Cavity-Fill Purposes
- ✓ Commercial & Residential Construction
- ✓ Metal Building Insulation & Sealing
- ✓ Cold Storage & Tank Construction
- ✓ Pipeline Construction
- ✓ Structurally Insulated
- ✓ Panel Systems (SIPs)
- ✓ HVAC & Air Handling
- ✓ Refrigerated Transportation
- ✓ Sound Abatement
- ✓ Marine Flotation





High Density Taxidermy Foam



A great look on the outside starts with a great foam in the inside.

Discover the difference Ecoform™ can make in your taxidermy projects.

Taxidermists require foam with pristine, grain-free surfaces and the durability to hold tacks and staples to create beautiful, lifelike mounts of all manner of wildlife. **Ecoform™** is a high-density polyurethane foam solution for taxidermists, scientists, and wildlife artists. Ecoform™ aids in the creation of stunning, lifelike mounts that preserve the most precious memories.

**Environmentally Friendly • Regulatory Compliant • No Phase Out
PFAS-FREE • Sculptable • High Density • Good Flowability**





FOAMNAIL®

Industrial Strength 2-Part Adhesive



The time-tested, dependable adhesive for manufactured housing.

When it comes to building the roofs, sidewalls, floors and other components used in manufactured housing, nothing beats the proven performance of **FoamNail®** – the industrial strength two-part adhesive from FSI. That's because FoamNail® has provided many years of lasting, successful results for the manufacturers of these homes – at a cost that's substantially lower than other materials and methods.

FoamNail® is part of a family of FSI urethane adhesives designed with uncompromised quality. FoamNail® is also environmentally benign, VOC exempt, formaldehyde-free and does not contribute to global warming or ozone depletion. Plus, FoamNail® adhesive has third party certification for various testing requirements including, but not limited to, ICC ES, UL-1715 and ASTM E72.

Key Benefits

- ✓ Good mechanical properties.
- ✓ Various third party certifications.
- ✓ Excellent test results.
- ✓ Pressurized and standard delivery available.
- ✓ Significantly lower cost option to traditional tube and caulk applications.
- ✓ Industry best shelf life.
- ✓ Worldwide availability.

Pressurized Delivery Benefits

- ✓ Safest delivery system in industry.
- ✓ Best environmental delivery – little to no material waste.
- ✓ Reduces human exposure to chemicals.
- ✓ Reduces parts and maintenance costs for dispensing equipment.
- ✓ Frees up valuable floor space.





Industrial Strength Adhesive



Exceptional bonding strength.

One Part™ bonds exceptionally well to a variety of materials, including wood, metal, plastic, rubber and XPS, providing a reliable and durable bond that can withstand extreme temperatures and harsh environments. When cured, One Part™ is resistant to water, chemicals, and UV exposure, making it ideal for outdoor applications.

Moisture curing advantage.

Harnessing the power of ambient moisture, **One Part™** has a variety of cure times depending on which formula you choose. This flexibility is designed to meet your manufacturing needs. Whether you're working in a high-production environment or on a quick project, our moisture-cured adhesives will streamline your workflow, boosting productivity and efficiency.

Versatility across industries.

One Part™ finds applications in a wide range of industries, including construction, commercial refrigeration, manufactured housing, automotive, aerospace, woodworking, and more. From bonding panels and laminates to joining dissimilar materials, One Part™ offers exceptional versatility, making it suitable for various applications.

End Use Applications

- ✓ Garage Door Panels
- ✓ Structural Insulated Panel (SIP) Adhesion
- ✓ Architectural Panels
- ✓ Constructing Laminated Beams
- ✓ Walk-in Coolers and Freezers
- ✓ Direct Replacement for Hot Melt Glue Applications
- ✓ Recreational Vehicle Lamination
- ✓ Miscellaneous Panel Lamination
- ✓ Sunroom Panels

Key Features

- ✓ Solvent Free
- ✓ Process Versatile
- ✓ Bonds all Substrate Types
- ✓ Customized from Renewable Resources
- ✓ Available in Small and Bulk Containers





CONTI-FOAM®

Continuous Lamination Insulating Foam



Rigid polyurethane insulating foam.

Designed for the manufacture of insulated metal panels produced by continuous lamination, **Conti-Foam®** is ideal for continuous double belt lamination applications such as architectural panels, garage doors and other rigid-faced products.

Why Conti-Foam?

Conti-Foam® rigid pour-in-place foam is specifically formulated for continuous double-belt lamination manufacturing across a range of panel thicknesses.

Rigid polyurethane has the lowest thermal conductivity of all foam insulating materials and is ideal for use in metal composites. Conti-Foam® provides superior adhesion, bonding to the panel skins as it cures to provide greater dimensional stability and thermal performance compared to adhered boardstock.

Excellent flowability and consistent density distribution of Conti-Foam® systems from FSI leads to more consistent, defect-free manufacturing. Robust processing capabilities enable manufacturers to easily change over to Conti-Foam® for a wide variety of profiles while improving overall cycle time.

Key Features

- ✓ Zero-GWP Blowing Agents
- ✓ Superior Flowability
- ✓ Uniform Density Distribution
- ✓ Rapid Demold Times
- ✓ Strong Adhesion
- ✓ Supports Different Line Speeds
- ✓ Excellent Dimensional Stability

Get a team of polyurethane experts on your side.

Skilled technical service and sales reps from FSI help deliver the sustainable, high-performance foam solution that meets your unique requirements. Connect with us today at fsi.co.





Concrete Leveling Polyurethane Foam





Raise, level and provide structural support.

FoamJack® is an expanding rigid polyurethane foam that is specifically designed for injection to raise and level concrete in a wide range of commercial and residential applications. It is commonly used to raise, level and provide structural support for concrete foundations, roads, sidewalks, steps, driveways, pool decks, patios, and garages.

Concrete leveling with FoamJack®.

Over time, concrete slabs and structures are exposed to a wide variety of environmental stresses, which can lead to sunken, uneven concrete. Lifting and realigning concrete slabs with **FoamJack®** polyurethane foam is fast and eliminates the need to excavate or replace existing slabs. FoamJack® fills voids and compresses the soil underneath, gently lifts the concrete, curing in minutes to make a permanent, stable, level foundation. The repair can be done quickly and with minimal mess or disruption.

Key Features

- ✓ Field proven since 1988.
- ✓ All season product – available for use year-round.
- ✓ Permanently levels concrete in as little as 15 minutes.
- ✓ Works well in sand, rock and poor soil conditions.
- ✓ Classified as non-hazardous material by the EPA and DOT.
- ✓ HFC free, with zero global warming potential (GWP), zero ozone depletion potential (ODP), and no volatile organic compounds (VOCs).

Get a team of polyurethane experts on your side.

Skilled technical service and sales reps from FSI help deliver the sustainable, high-performance foam solution that meets your unique requirements. Connect with us today at www.fsi.co.





Therma
FROTH

Low Pressure Spray Foam



Therma Froth™ low pressure spray foam system.

Therma Froth™ is a medium-density (2.0 pcf) low-pressure spray polyurethane foam (SPF) system delivered from disposable pressurized cylinder kits. Therma Froth™ spray foam insulation is ideal for small jobs and patchwork applications for OEM use and is suitable for both professional and DIY use. The nominal 200- and 600-board-foot kits contain everything that is needed for use, including a PolyShot™ applicator gun.

Therma Froth™ applications.

Therma Froth™ closed-cell spray foam is designed to improve the performance of the building envelope for residential (Type V) construction and to provide high thermal efficiency in industrial and OEM applications.

Learn more about how to make the most out of smaller-scale rigid foam application with Therma Froth at fsi.co/therma-froth

End Use Applications

- ✓ Residential Construction and Maintenance
- ✓ Commercial Construction and Maintenance
- ✓ Metal Buildings
- ✓ HVAC
- ✓ Sound Control
- ✓ Cold Storage
- ✓ Refrigerated Transport
- ✓ Tank Insulation
- ✓ Pools and Spas

Key Features

- ✓ Greater Thermal Efficiency
- ✓ Air Barrier
- ✓ Sound Deadening
- ✓ Low-odor Formulas





SnsiteACT™
Advanced Control Technology



Onsite ACT™ takes the guesswork out of filling parts.

Onsite ACT™ is a complete foaming and quality assurance system that integrates quality checks, condition monitoring, QR code scanners, operator access control, and more to guarantee your operation works smoothly and effectively.

We developed Onsite ACT™ with a thorough understanding of the polyurethane production process from our 50+ years of experience and collaboration with customers. Onsite ACT™ provides a full range of dispensing options that can meet your specific needs and manufacturing requirements.



Data logging functions.

- ✓ Date and Time
- ✓ Operator Identification
- ✓ Mode Indicator
- ✓ Temperature Control
- ✓ Controls 2 SLUG Pro Guns of Equal or Different Output
- ✓ Calibration Functions
- ✓ Real Time Data
- ✓ All Systems “Go” Confirmation





INTELLI*iQC*

Intelligent Quality Control Application





Ensure quality standards with Intelli QC by FSI.

Intelli QC keeps years of QC records, helping managers identify trends and make proactive decisions. With real-time dashboard access, managers can continuously monitor and maintain production quality.

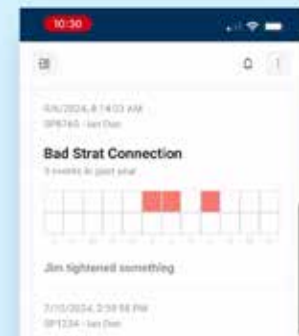
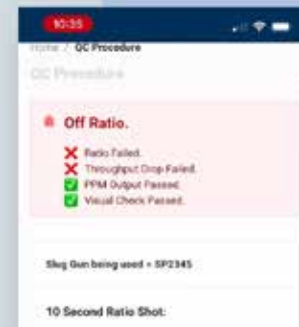
User friendly, streamlined process.

With just three simple fields to fill out on their phones, your production staff can now input QC data quickly and accurately. Managers gain access to real-time dashboard insights, ensuring that production quality is always maintained and never off ratio.

Managers are alerted if a user goes off-ratio. After troubleshooting, FSI's Technical Services are notified automatically. If the issue persists, users receive manager and tech support contact details to quickly resolve problems, keeping your production line running smoothly.

Accurate data for reliable production.

- ✓ Helps managers identify trends and make proactive decisions for improved production efficiency.
- ✓ Minimizes the friction of filling out paperwork.
- ✓ Ensures clean, reliable data.
- ✓ Managers receive immediate updates when off-ratio.
- ✓ Empowers independent troubleshooting off-ratio.





SLUG[®] PRO
PROFESSIONAL SERIES

Polyurethane Dispensing Equipment



A history of innovation.

SLUG® Pro is the latest evolution in FSI's pressurized dispensing, which was originally brought to market by our founder in the early days of the company. The original SLUG, a "solvent-less" air purge model which removed the need for toxic flushing solvents, has evolved and been perfected over the years. The SLUG® Pro combines all the reliability of previous designs with substantial advancements, including an improved mix cartridge design.

Premium materials.

We use only top-grade, lightweight materials to make our equipment. The **SLUG® Pro** is machined with precision from premium materials like 2024 T6 aircraft grade aluminum, brass valves and Teflon-lined stainless steel braided hoses, which are insulated and protected in a robust ballistic nylon sheathing. Careful selection of materials allows us to deliver state-of-the-art equipment that is durable, reliable, lightweight and affordable.

Key Benefits

- ✓ User Friendly
- ✓ Low Cost – Industry-Best ROI
- ✓ Eliminates Solvent Disposal
- ✓ Supports Multiple Drops
- ✓ Routine On-Site Technical Support
- ✓ Disposable Mix Cartridge
- ✓ Lightweight
- ✓ Custom Options

Quality production.

Each **SLUG® Pro** is hand assembled by skilled FSI technicians – never outsourced – to ensure compliance with our exacting standards. The efficiency of our assembly process enables our technicians to focus on delivering quality products in a timely manner.





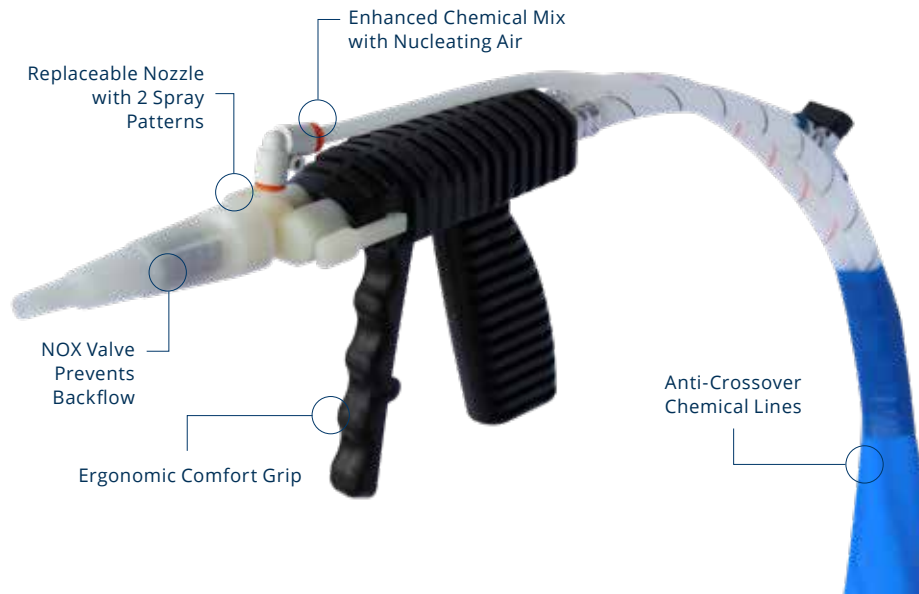
POLYSHOT™

Polyurethane Dispensing Equipment



Cost effective and disposable.

We developed the **POLYSHOT™** as a solution to the ever-changing regulations within the spray foam industry. With harmful HFC's being phased out, the need to have an alternative propellant presented itself. The POLYSHOT™ polyurethane dispensing applicator is the cost-effective choice for customers who need a high quality disposable spray foam applicator.



Includes:

- ✓ 10-ft. Gun / Hose 10
- ✓ Mixing Nozzles
- ✓ 10 Fan Spray Tips
- ✓ 1 Wrench
- ✓ 1 Packet of Petroleum Jelly



A close-up photograph of a vibrant green leaf, showing a detailed network of veins. The leaf's surface has a slightly textured, waxy appearance. The lighting is bright, highlighting the natural patterns of the leaf's structure.

Environmental
stewardship.



Passionate about **protecting** the environment.

Our passion for protecting the environment is driven by our insatiable desire to create great products with sustainability in mind. We've found that one of the most effective ways to design and create more sustainable products is to build awareness and education around sustainability, which improves the impacts of our products on people and the planet.

Our goal is to collaborate with our customers so they are better able to select foam solutions based on sustainability factors such as energy and emissions, social conditions, land use and supporting a circular economy. To that end, we have developed a number of systems and tools to educate our customers, suppliers, and end users on ways to decrease their carbon footprint. We have also continued to communicate our product sustainability efforts to customers through routine on-site visits, trade shows, product labeling, social media and other channels.

During our 50+ year sustainability journey, we have evolved our policies, practices, processes and decision-making as we seek to protect our earth's resources. We plan for the future by integrating environmental stewardship into every facet of our business — including our products, our processes and our workplace. We know that small steps can have a big impact.



RESPONSIBLE CARE[®]
OUR COMMITMENT TO SUSTAINABILITY

A WORLD LEADER IN POLYURETHANE TECHNOLOGY AND SOLUTIONS



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