



The foam that performs.

High-performance rigid foam for rotational molding.



Advanced insulation for rotational molding.

Ecofoam® is a two-component, pour-in-place rigid polyurethane foam system that helps manufacturers improve thermal efficiency, structural integrity, and production consistency.

Engineered for the demands of rotational molding, Ecofoam combines controlled flow, strong adhesion, adjustable processing, and responsible chemistry in a versatile system that can be tailored to the part and production line.

Performance tailored to your part and process.

With R-values up to 8.2 at 1-inch thickness, **Ecofoam®** provides thermal efficiency, moisture resistance, sound attenuation, and dimensional stability. As it expands, it adheres to compatible substrates to add rigidity and reinforcement.

Formulations can be customized for density, flow, reactivity, cure, part weight, and end-use performance, with FSI supporting manufacturers from initial trials through full-scale production.



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Manufacturing efficiency and consistent part performance.

Ecofoam® flows through long, narrow, and irregular cavities to support uniform fill and density distribution. Adjustable reactivity provides flexibility in shot and vent placement while accommodating thin cross sections and complex geometries. Consistent processing helps reduce voids, rejected parts, and rework.

Proven, sustainable foam technology.

Ecofoam® is powered by patented Ecomate® blowing agent technology, enabling manufacturers to achieve high-performance flotation while reducing environmental impact. This advanced chemistry eliminates the need for HFCs while maintaining the processing reliability and product performance manufacturers depend on.

- ✔ Zero GWP
- ✔ Non-VOC
- ✔ No HFCs, HCFCs, or CFCs
- ✔ PFAS-free alternative
- ✔ Meets global environmental regulations
- ✔ Seamless system integration

Responsive technical support.

FSI stands out for its unmatched customer support and industry expertise. We’ve helped businesses launch foaming operations, engineered specialized foam systems to tackle complex challenges, and provided continuous on-site service to ensure optimal performance.

- ✔ Production demo, trial, and implementation
- ✔ Process consultation
- ✔ Custom formulations



Thermal Efficiency



Structural Enhancement



Moisture Control



Sound Attenuation



Processing Consistency



Design Flexibility



Environmentally Responsible