

A glowing orange tent is pitched in a snowy mountain landscape at night. The tent is illuminated from within, creating a warm, bright orange glow. The background shows a dark, starry sky and snow-covered mountains. A red cooler is visible in the foreground.

ecofoam[®]

Superior insulation for a wide range of products.

PREMIUM RIGID FOAM SYSTEMS





Thermal efficiency
with consistent results.



ecofoam[®]
Premium Rigid Foam Systems

Product Advantages

Ecofoam® is a two-component rigid polyurethane system engineered for use in a wide variety of industrial, commercial, and consumer products. Ecofoam outperforms traditional systems that rely on HFCs and HFO/HCFOs, making it the smart, sustainable choice for companies committed to environmental stewardship.

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.



Thermal Efficiency



Moisture Control



Air Flow Management



Structural Enhancement



Sound Abatement



Environmental Responsibility



End Use Application

- ✓ 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





The benchmark of environmental
compliance and responsibility.

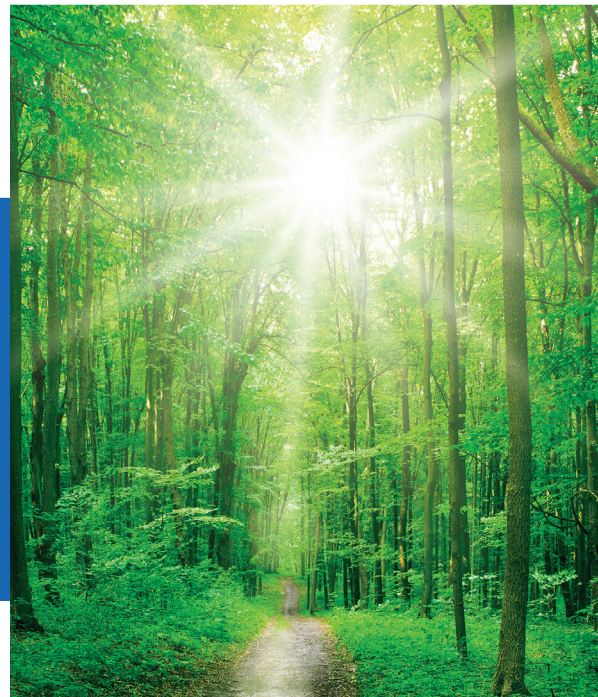


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Premium Rigid Foam Systems

Environmental Stewardship

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

Ecofoam meets the requirements of the Montreal and Kyoto Protocols and the Kigali Amendment, helping companies around the world make better products that are better for the environment.



Sustainability

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.

Creating a
sustainable world.



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Premium Rigid Foam Systems

The Ecofoam® family of products are environmentally responsible and offer excellent thermal insulation properties, moisture vapor control, air flow management, structural enhancement, and sound abatement. It has a UL-94 HF-1 fire rating and passes FMVSS 302 requirements. Ecofoam can be processed with high and low pressure metering equipment. Ecofoam is available in various container types for shipping and storage and has a shelf-life of six months. Please refer to the Safety Data Sheet (SDS) for specific storage and handling details.

Processing Conditions

Processing specifications should be determined by users for each product or application.

Chemical Temp.	27 – 35 °C (80 – 95 °F)
Mold/Fixture Temp.	27 – 43 °C (80 – 110 °F)

Insulation Properties

Ecofoam offers R-values up to 8.2 at 1" thickness. Ecomate blowing agent does not condense at temperatures as low as -85°C (-121°F).

R-value at 1"	Up to 8.2
Initial K-factor	.0176 W/m·K (.122 BTU·in/hr·ft²)

Typical Properties

ecofoam®	Gel Time	Free Rise Density	Compressive Strength, kPa (psi)	
	Seconds	kg/m³ (lb/ft³)	Parallel to Rise	Perpendicular to Rise
Standard Formula	85	25.6 (1.6)	210 (30)	140 (20)
ET	130	25.6 (1.6)	210 (30)	140 (20)
HD	85	32 (2.0)	250 (36)	200 (29)
HDRC	65	32 (2.0)	250 (36)	200 (29)
HDET	130	32 (2.0)	250 (36)	200 (29)
HD XRC	25	32 (2.0)	250 (36)	200 (29)
HD XET	200	32 (2.0)	250 (36)	200 (29)
LITE	85	22.4 (1.4)	120 (18)	83 (12)
LITE RC	65	22.4 (1.4)	120 (18)	83 (12)
LITE ET	130	22.4 (1.4)	120 (18)	83 (12)
LPK	30	33.6 (1.4)	120 (18)	83 (12)
RC	65	25.6 (1.6)	210 (30)	140 (20)
RCIA	60	25.6 (1.6)	210 (30)	210 (30)
XHD	85	40 (2.5)	210 (45)	240 (35)

Third Party Certifications



A WORLD LEADER IN POLYURETHANE TECHNOLOGY AND SOLUTIONS



Ecofoam® is available worldwide through our network of global partners. For a complete list, visit fsi.co or scan the code below.



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