ecofoam®

Premium Rigid Foam Systems

SUPERIOR

Insulation for a Wide Range of Products

ecofoam®

Premium Rigid Foam Systems

Success through Innovation

Product Advantages

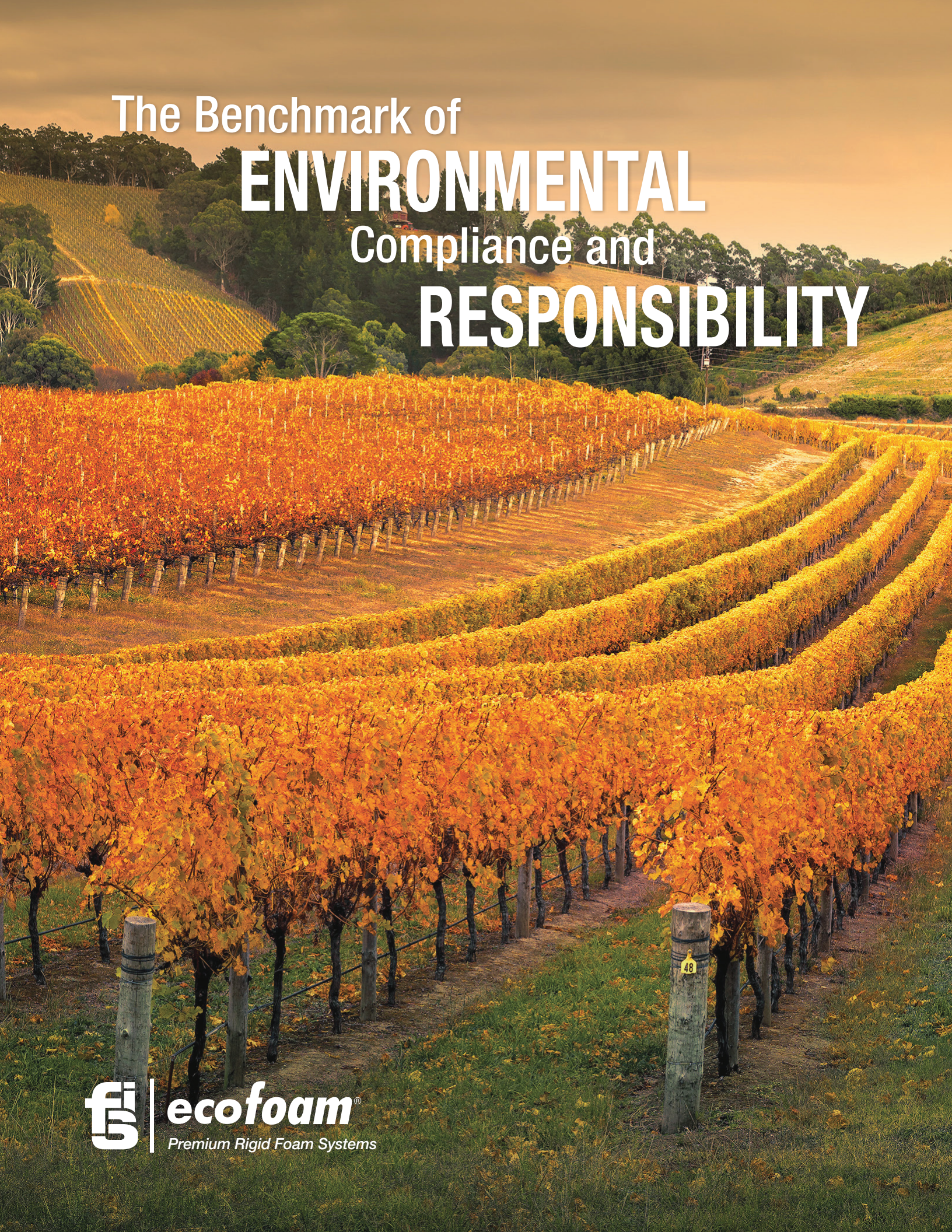
- **Thermal Efficiency**
- **Structural Enhancement**
- **Moisture Control**
- **Sound Abatement**
- **Air Flow Management**
- **Environmental Responsibility**

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, 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.

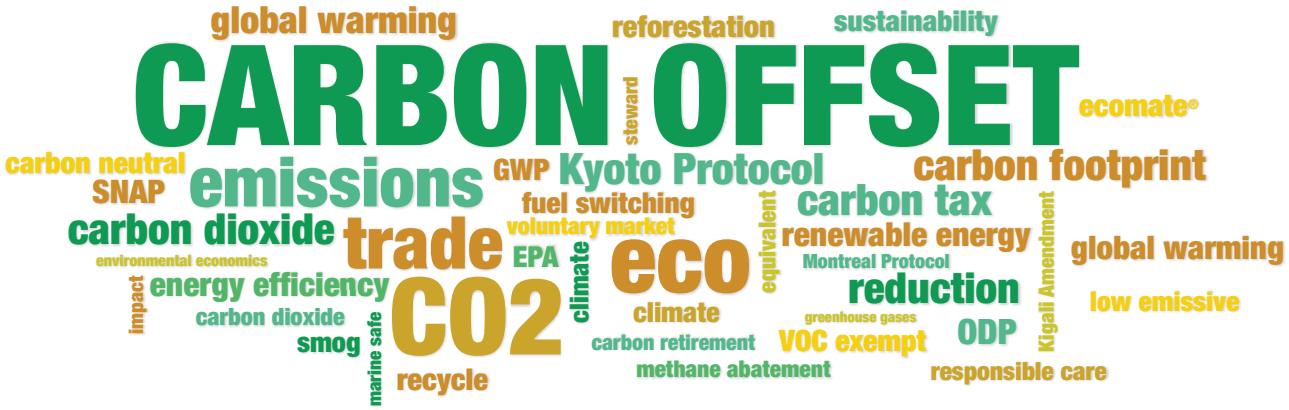
Uses

- **Appliances**
- **Commercial Refrigeration**
- **Entry & 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
ecofoam®
Premium Rigid Foam Systems

Success through Innovation

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 EPA SNAP approved 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.

Benefits

- **Zero Global Warming**
- **Zero Ozone Depletion**
- **VOC Exempt**
- **EPA / SNAP Compliant**
- **Low Emissive Foams**
- **Montreal Protocol Compliant**
- **Kyoto Protocol Compliant**
- **Kigali Amendment Compliant**


Creating a
SUSTAINABLE
World
ecofoam®
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).

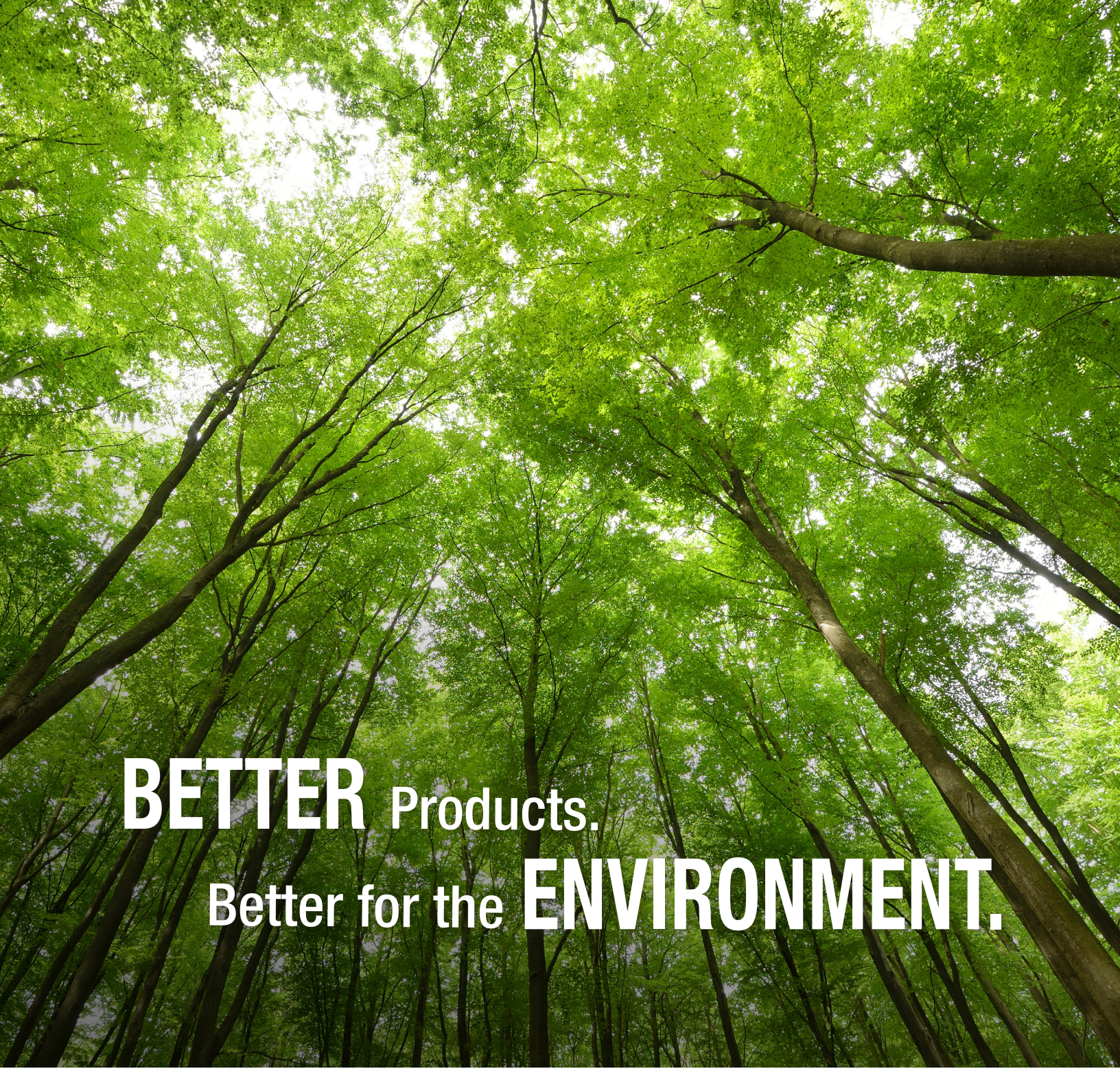
R-value at 1"	Up to 8.2
Initial K-Factor	.0176 W/m·K (.122 BTU·in/hr·ft² °F)

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 (2.1)	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)	310 (45)	240 (35)

THIRD PARTY CERTIFICATIONS

UL® FM PEI™ intertek Total Quality. Assured.



foamsupplies.com

Learn more about what ecofoam® can do for you... and the environment!

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.

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