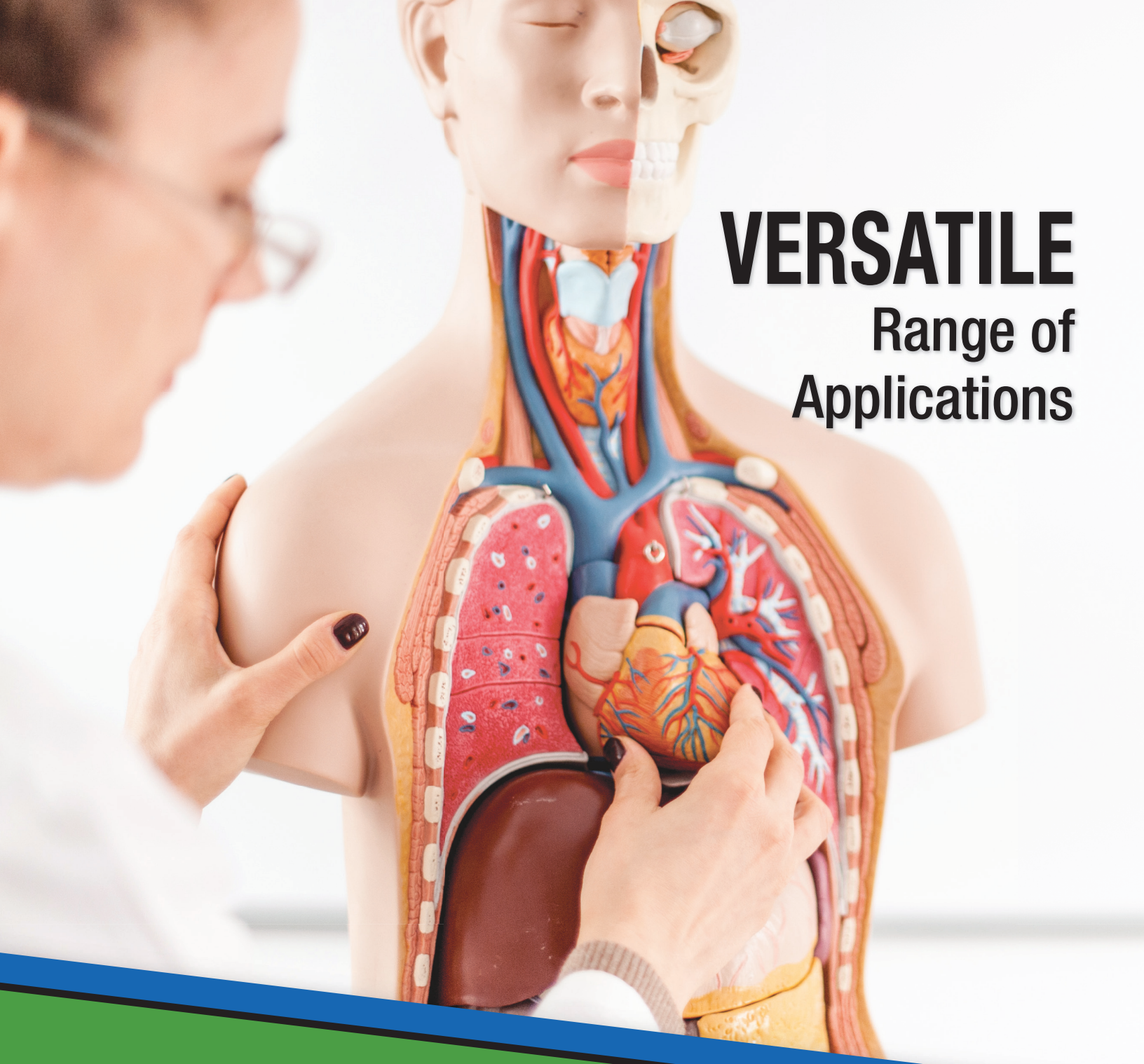
fsi | genfoam™

Water-Blown Pour-in-Place Foam Systems



VERSATILE
Range of Applications

genfoam™

Success through Innovation

Product Advantages

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.

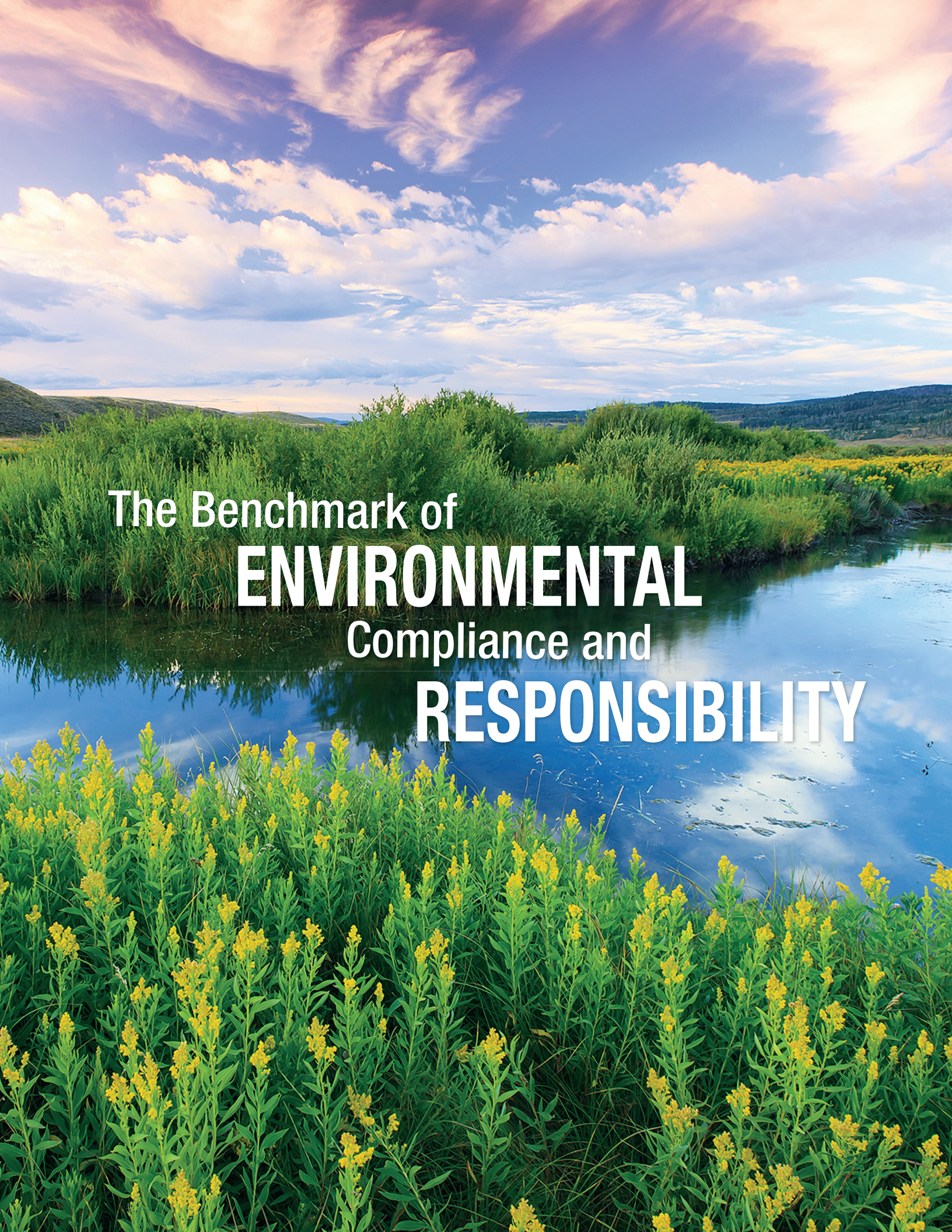
Our customers produce some of the world's best products with **GENFOAM**, often while reducing overall costs with little or no changes to production processes and equipment.

Uses

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






The Benchmark of
ENVIRONMENTAL
Compliance and
RESPONSIBILITY

Success through Innovation

Environmental Stewardship

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.

GENFOAM 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**

The **GENFOAM** family of products are fully formulated, water-blown rigid polyurethane foam systems for pour-in-place and molded foam applications. GENFOAM meets the requirements of 33CFR §183.114 US Coast Guard Test of Flotation Materials (MILSPEC-P-21929B). GENFOAM can be processed with high, low, and pressurized metering equipment. GENFOAM 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)

TYPICAL PROPERTIES

genfoam™	Gel Time	Free Rise Density	Compressive Strength
	Seconds	kg/m³ (lb/ft³)	kPa (psi)
GENFOAM™	100	32 (2.0)	217 (31.5)
GENFOAM™ HD3	100	48 (3.0)	344 (50)
GENFOAM™ HD4	100	64 (4.0)	538 (78)
GENFOAM™ HD4 ET	150	64 (4.0)	538 (78)
GENFOAM™ HD6	100	96 (6.0)	1,103 (160)
GENFOAM™ HD8	100	128 (8.0)	1,724 (250)
GENFOAM™ HD10	100	160 (10.0)	2,206 (320)
GENFOAM™ HD12	100	192 (12.0)	2,620 (380)
GENFOAM™ HD12 ET	150	192 (12.0)	2,620 (380)
GENFOAM™ HD16	100	256 (16.0)	3,220 (470)
GENFOAM™ HD16 ET	150	256 (16.0)	3,220 (470)
GENFOAM™ HD20	100	320 (20.0)	3,645 (530)

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Learn more about what genfoam™ 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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