



**Proven, sustainable integral skin
& flexible foam solutions.**

ecoflex™ IS1019

Ecoflex™ integral skin foam systems deliver the durability, appearance, and comfort demanded across a wide range of applications. Designed for performance and versatility, these solutions combine a resilient outer skin with a supportive foam core to create products that look as good as they perform.

Ecoflex™ provides excellent abrasive resistance, making it ideal for high-use environments where surface durability and longevity are essential. The result is a finished part that maintains its shape, finish, and tactile appeal over time, even under demanding conditions.

Each system can be formulated with inner foam densities that range from soft and flexible to firm and supportive, allowing for tailored comfort and performance. The skin forms cleanly and consistently, capturing fine surface detail while providing a rich, uniform color and texture.

Sustainability that performs.

FSI's PFAS-free polyurethane solutions are designed for high performance and environmental responsibility, helping manufacturers stay ahead of evolving global regulations while maintaining the strength, efficiency, and consistency their industries demand.

Ecoflex™ is formulated with **Ecomate®**, a next-generation blowing agent that combines performance with environmental stewardship. Ecomate® offers:



- ✓ 100% PFAS-Free formulation
- ✓ Zero Global Warming Potential (GWP)
- ✓ Zero Ozone Depletion Potential (ODP)
- ✓ VOC-Exempt

By eliminating harmful chemicals and reducing environmental impact, Ecoflex™ provides a sustainable solution without compromising performance. FSI's continued innovation in polyurethane chemistry ensures customers can meet today's regulatory standards while preparing for the expectations of tomorrow.



Key Advantages

- ✓ Great abrasive resistance and long-term surface durability
- ✓ PFAS-free for safer, more sustainable solutions
- ✓ Customizable densities from soft to firm for tailored comfort
- ✓ Smooth, high-quality skin finish with rich, consistent color
- ✓ Formulation options for UV stability, anti-bacterial properties, and decorative detailing
- ✓ Designed to eliminate subsurface voids for improved appearance and reliability
- ✓ Blown with zero-GWP Ecomate® for reduced environmental impact



Applications

- ✓ Furniture components
- ✓ Headrests and armrests
- ✓ Medical and therapeutic products
- ✓ Sporting goods
- ✓ Footwear and protective gear
- ✓ Animal bedding and comfort



Ecoflex™ integral skin foam solutions combine resilience, visual appeal, and design flexibility. Backed by FSI's technical expertise and commitment to sustainable innovation, Ecoflex™ helps manufacturers achieve products that meet the highest standards of comfort, safety, and environmental performance.



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