Recron® Innovations Make a Landmark Impact at Heimtextil 2025

Reliance Industries Limited's Recron® Innovations made waves at Heimtextil 2025 in Frankfurt, Germany, garnering extraordinary recognition for their groundbreaking products, *HEXaREL™ Fiberfill* and *ecotherm™*. By showcasing innovation that seamlessly blends sustainability, performance, and versatility, Recron® Innovations positioned itself as a global leader in advanced polyester technology.



1. Spotlight on HEXaREL™ Fiberfill: A Breakthrough in Insulation Technology

The next-generation HEXaREL™ Fiberfill captivated audiences with its smart multifunctional polyester fibers designed for extreme environments and high-performance applications. Key attributes include:

- **Exceptional Insulation**: Powered by graphene-enhanced technology, HEXaREL™ Fiberfill offers unparalleled warmth, even in temperatures as low as -60°C.
- **Sustainability**: Certified by the Global Recycled Standard (GRS), underscoring its eco-conscious production.
- **Luxury and Functionality**: Combining softness, lightness, and superior thermoregulation, it redefines premium alternatives to traditional down insulation.

Applications: HEXaREL™ Fiberfill excels in extreme cold-weather clothing, sleeping bags, thermal jackets, and adventure sports gear, offering up to 30% higher TOG/CLO values compared to competitors.



2. ecotherm™: Redefining Sustainable Fiber Solutions

Another highlight was ecotherm™, which drew significant acclaim for its sustainable design and superior performance. Its distinctive features include:

- **Advanced Dyeability**: Absorbs up to 200% more dye, delivering vibrant and enduring colors.
- **Eco-Friendly Manufacturing**: GRS-certified, aligning with the rising demand for responsible textile production.
- **Soft and Resilient Comfort**: Offering wool-like bulk and lightweight versatility, it's an ethical and efficient alternative to acrylic and wool.

Applications: ecotherm™ is ideal for winter wear, knitwear, rugs, and throws, catering to the diverse needs of the textile industry.

3. Industry-Wide Recognition and Impact

The innovations showcased by Recron® drew overwhelming interest from textile manufacturers, winter product companies, and end consumers alike. By merging sustainability

with cutting-edge performance, Recron® Innovations secured numerous business inquiries and partnerships, highlighting their transformative potential within the global textile sector.

4. Pioneering Global Innovation

Recron® Innovations continues to address the textile industry's growing demand for circular economies and ethical sourcing. Their sustainable fibers are a testament to Reliance Industries' commitment to shaping the future of textiles while maintaining ecological responsibility.

5. Looking to the Future

The enthusiastic response at Heimtextil 2025 underscores the increasing demand for innovative, eco-friendly fibers. With HEXaREL™ Fiberfill and ecotherm™, Recron® Innovations is set to redefine global standards, positioning itself as a trusted leader in sustainable and high-performance polyester solutions.