

NatureKool®

High-Performance Thermal Protection

NatureKool® hemp/cotton insulation integrates advanced fiber engineering with rapidly renewable hemp to create a high-performance thermal solution. The result is optimized insulation efficiency with a substantially reduced environmental footprint.

The Sustainability Story

- Hemp rapidly absorbs CO₂ during growth, making it one of the most environmentally efficient crops available
- Fast-growing annual crop with minimal water requirements
- Renewable plant-based feedstock
- Compostable material

Superior Thermal Performance

- Engineered hemp/cotton fiber matrix for consistent R-value and thermal resistance
- Designed to maintain temperature integrity across refrigerated and frozen distribution
- Excellent moisture management compared to traditional fiber materials
- Customizable density and thickness for specific duration and temperature profiles
- Works with gels, dry ice, or hybrid refrigerant systems

Reduced Environmental Impact when Shipping vs. Conventional Solutions

- Shipped flat to dramatically reduce cube and freight emissions
- Higher pallet density
- Lower transportation-related impact per unit shipped



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