



UNIVERSAL
TEXTILE TECHNOLOGIES

GUIDE to Green



Polyurethane Backing Systems

Improving Your Impact

Environmental sustainability is a key motivation for the products we create. Years of research and development went into creating the technologies now found in our performance backing systems, BioCel™ and EnviroCel™. Universal Textile Technologies is always looking for the most effective methods to reduce our carbon footprint and replace old practices and products with more responsible options. Together, our two highly efficient backing technologies extend the life of our products, reduce the amount of materials going into landfills and interact intelligently with the environment, creating less stress on the planet while using resources wisely. Long lasting, low impact products mean a better future for everyone.



Proven Backing Systems

Carpet

EnviroCel is specifically designed with moisture-resistance in mind for environments with regular foot traffic. Perfect for use in places like hotel rooms, specialty shops, restaurants and apartments, EnviroCel can stand up easily to daily use. For higher traffic environments, BioCel provides a dense moisture barrier that stands up to almost any amount of wear. BioCel performs well in corporate environments and public areas, including department stores, convention centers and office buildings. These two backing systems are constructed from state-of-the-art technology that is easier on the earth and more resilient underfoot.

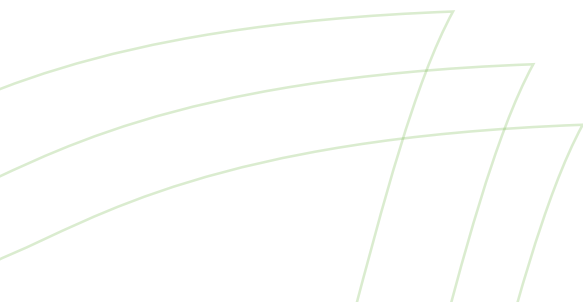
Synthetic Turf

BioCel and EnviroCel are also proven performers with synthetic turf. Adding our backing systems provide several benefits that come with our products for carpet - meaning your turf will have increased durability and versatility. The possibilities for utilizing our turf are expansive, whether you choose BioCel Unitary or EnviroCel Laminate Plus for landscaping, BioCel Unitary for playing fields or BioCel with attached cushion for indoor or outdoor facilities. Designed to be greener, smarter, and more durable backing systems, UTT's products demonstrate proven value in an industry where quality is everything.



BioCel[™]
Polyurethane Carpet Backing

Enviro
ECO-FRIENDLY CARPET BACKING **CEL**[™]



Renewable Resources

To utilize renewable resources as much as possible, we started by replacing a large percentage of petroleum-based polymers with bio-based polyols derived from domestically grown crops. This does several things at once to help the environment. It reduces our dependence on foreign oil by decreasing the use of imported petroleum-based products. It also meets indoor air quality standards and can be installed using the safest, low-VOC producing adhesives.

Recycled Content

Our products offer a secondary backing that contains a high percentage of recycled content, using PET from plastic drink bottles. On average, this keeps 4 bottles out of a landfill for every square yard of carpet we produce. An added benefit of using the recycled secondary backing is that the flexibility of the product prevents the scraping of doorways and baseboards during installation.

Post-Industrial Recovered

Celceram, a highly refined mineral compound that is recycled from electrical utility power plants, is a key component of our secondary backing systems. The composition of Celceram was designed to strengthen and stabilize polyurethane backings, improving both performance and the stability of the overall product.

Less than 1% of the earth's water is available for humans to drink. Traditionally undervalued as a resource in first world countries, water is much too precious a commodity to waste. Our synthetic turf uses less water and fewer pesticides, in addition to providing effective erosion control.



LEEDing the Way

Carpet

Floor covering products incorporating EnviroCel and BioCel contribute to the total building materials requirement for rapidly renewable materials under credits 4.1, 4.2, 5.1, 5.2, and 6 of the Materials & Resources and 4.3 of the Indoor Environmental Quality sections of version 2.2 of the LEED guidelines.

Turf

In addition, EnviroCel and BioCel turf products may qualify under credits 1.1 and 1.2 in Water Efficient Landscaping, 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 5.1, and 5.2 in Materials and Resources and 1.0-1.5 in the Innovation in Design sections of version 3 of the LEED guidelines.

Carpet backed with EnviroCel and BioCel assists in meeting the Federal Government's objective of environmentally preferred products and can be submitted under GSA SIN31-601. It also meets the requirements under Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance" from the USDA.



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At Universal Textile Technologies, we are known as pioneers in the development and manufacturing of eco-friendly carpet and synthetic turf backings. As members of the Bio-Based Product Coalition, the CARE Carpet America Recovery Effort and with more than 30 years of industry leadership, UTT is committed to providing the finest equipment, the latest technology, the most highly-trained people, and the highest performing products anywhere in the industry.

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universal-textile.com

EnviroCel™ and BioCel™ are Trademarks of Universal Textile Technologies.
Celceram™ is a Trademark of Materials Technologies.
Photos courtesy of United Soybean Board/soybean checkoff.