



**UNIVERSAL**  
TEXTILE TECHNOLOGIES

**BioCel™ Cushion and BioCel Laminate**  
**EnviroCel™ Cushion and EnviroCel™ Laminate**

Polyurethane Carpet Backing



**From Field  
to Floor**

For over 30 years, polyurethane backing technology has been used in the production of carpet and synthetic turf. Since its initial introduction, polyurethane has become the backing of choice because of its high structural integrity and performance related properties. Today, this technology is further enhanced with the addition of a revolutionary polyurethane polymer that helps address important environmental goals of the industry. Introducing BIO-BASED polymers.

**Renewable  
Resource**

BIO-BASED polymers are polyurethane polymers that are manufactured with a portion of the polyol coming from natural oils, a renewable resource. Natural vegetable oil is first extracted from individual plants. It is stabilized by removing gums and waxes and then used to develop vegetable-based polyols. Vegetable-based polyols are then formulated with technology from Universal Textile Technologies, LLC (UTT), which becomes an integral component of the carpet and turf backing. The end product is a high quality backing that utilizes a polymer derived from a stable supply of domestic crops.

**BIO-BASED  
Polymers**

Today, BIO-BASED polymers are incorporated into all polyurethane backings processed at UTT including BioCel and EnviroCel polyurethane carpet and turf backings. UTT also offers a 100% post consumer, recycled PET, non-woven secondary outer surface for commercial backings applied at their facility. This combination of sustainable materials are a composite of renewable resource material, post consumer material and post-industrial material.

For additional information:

In the U.S. and Canada  
Contact Universal Textile Technologies (UTT)  
204 W. Industrial Blvd, Dalton, GA 30720  
706.277.3778 Fax: 706.277.1837

[www.universal-textile.net](http://www.universal-textile.net)  
[info@universal-textile.net](mailto:info@universal-textile.net)

NOTICE: No freedom from any patent owned by UTT or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. UTT assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN: ALL IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE ARE EXPRESSLY EXCLUDED.**

Published 987505.04082

Trademark Universal Textile Technologies