



Signature

PERFORMANCE BACKINGS

Strength, flexibility, and ease of installation make BioCel Laminate and BioCel Cushion the efficient, effective choices for assisted living and hospitality spaces. Resilient by design, the polyurethane backing on our products protects against moisture and helps to keep spills and stains from reaching the sub-floor. This cuts the risk of damage and minimizes the risk of odor and stains. Each of our products is designed to withstand repeated wet cleanings, allowing for easy maintenance as well as protection against daily wear and tear.

BioCel Laminate/ BioCel Cushion Features	BioCel™ Laminate	BioCel™ Cushion
Recycled PET Secondary Backing	•	•
Bio-Based Polyurethane Cushion		•
Moisture Resistant	•	•
Functional Liquid Barrier	•	•
Tuft Bind Not Adversely Affected by Moisture	•	•
Great Lamination Strength	•	•
Low VOC Rating	•	•
Reduces Muscle Fatigue		•
Sound Insulating Properties		•
Increased Appearance Retention	•	•
Thermal Insulating		•
Fully Recyclable	•	•
Incorporates Extruded Fiberization		•
Direct Glue Installation	•	•

* Straight stitch products only



QUALITY FROM THE INSIDE OUT

It's a fact – when it comes to the performance of your floors, what you don't see is just as important as what you do. The backing on a piece of carpet actually affects the life and durability of its entire surface.

BioCel Laminate and BioCel Cushion provides a moisture barrier that performs well in corporate environments and public areas, including department stores, convention centers, public buildings, and sports facilities, along with assisted living and hospitality spaces.

Sustainability Superior

Environmental sustainability is no longer a luxury – it is a necessary component in all of our products. BioCel was developed to reduce our carbon footprint and replace old industry standards with a more sustainable alternative. This highly efficient backing technology extends the life of our product while saving money and resources, making it easy on the environment—and your bottom line. Long-lasting, low-impact products ensure a better future for everyone.

Natural Solutions

- Uses bio-based polyols derived from renewable natural oils to replace a percentage of the petroleum-based polymers used in our manufacturing process
- Incorporates renewable resources, post-consumer and recovered materials
- Reduces our dependency on foreign oil by decreasing the use of imported petroleum-based products, helping to support American farmers including those overseen by the farmer-led United Soybean Board
- Reduces our use of fossil fuels in manufacturing

Stabilizing Technology

- Contains a highly refined mineral compound recycled from previously mined calcium
- Provides improved polyurethane backing, performance, and stability

Breathe Easier

- Contains low VOC levels, improving air quality
- Allows installation using the lowest-possible VOC adhesives

Recycled Content

- Uses PET from plastic drink bottles to make up a high percentage of recycled content.

Smaller Environmental Footprint

- Manufactured with materials including recycled, renewable and recovered resources, enabling the entire product to be recycled when replaced
- Provides extended product life, meaning replacement less often, with lesser amounts of carpet placed in landfills
- Saves money and reduces environmental impact due to less time and fewer resources required for manufacturing and maintenance.

“LEED”ING THE WAY

Carpet

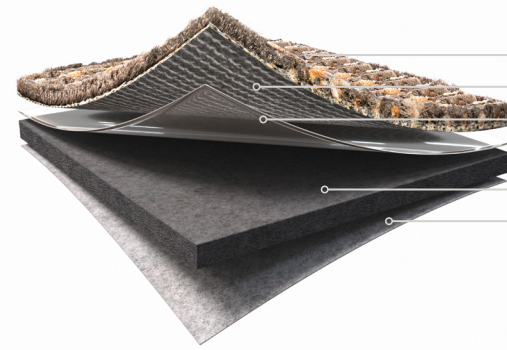
Floor covering products incorporating BioCel may contribute to the total building materials requirement for rapidly renewable materials under credits 4.1, 4.2, 5.1, 5.2, and 6 of the Materials & Resources and 4.3 of the Indoor Environmental Quality sections of version 2.2 of the LEED guidelines.

Carpet backed with BioCel assists in meeting the Federal Government's objective to create U.S. jobs through its purchase of products made with materials from U.S. farms. It meets the requirements for purchasing carpet with biobased content under the U.S. Department of Agriculture's BioPreferred® program, the sustainable product acquisition requirements, and qualifies under the General Services Administration's SIN 31-601 for carpet with biobased content. Signature's backing systems have also been verified as meeting the requirements and criteria that a backing supplier needs to be NSF/ANSI 140 compliant ready



BioCel™ Laminate

- Face Yarn
- Primary
- BioCel™ Polyurethane Precoat
- BioCel™ Polyurethane Laminate
- Gray 100% Post-Consumer Recycled PET Secondary



BioCel™ Cushion

- Face Yarn
- Primary
- BioCel™ Polyurethane Precoat
- BioCel™ 18lb Density Polyurethane Cushion
- Gray 100% Post-Consumer Recycled PET Secondary

Healthcare/Senior Living Features**BioCel™ Laminate****BioCel™ Cushion**

Recycled PET Secondary Backing	●	●
Bio-Based Polyurethane Cushion		●
Moisture Resistant	●	●
Functional Liquid Barrier	●	●
Tuft Bind Not Adversely Affected by Moisture	●	●
Great Lamination Strength	●	●
Low VOC Rating	●	●
Reduces Muscle Fatigue		●
Sound Insulating Properties		●
Increased Appearance Retention	●	●
Thermal Insulating		●
Fully Recyclable	●	●
Direct Glue Installation	●	●
Stretch In, Double Stick, or Direct Glue Install.		

* Straight stich products only

Hospitality Features**BioCel™ Laminate****BioCel™ Cushion**

Recycled PET Secondary Backing	●	●
Bio-Based Polyurethane Cushion		●
Moisture Resistant	●	●
Functional Liquid Barrier	●	●
Tuft Bind Not Adversely Affected by Moisture	●	●
Great Lamination Strength	●	●
Low VOC Rating	●	●
Reduces Muscle Fatigue		●
Sound Insulating Properties		●
Increased Appearance Retention	●	●
Thermal Insulating		●
Fully Recyclable	●	●
Direct Glue Installation	●	●
Stretch In, Double Stick, or Direct Glue Install.		

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