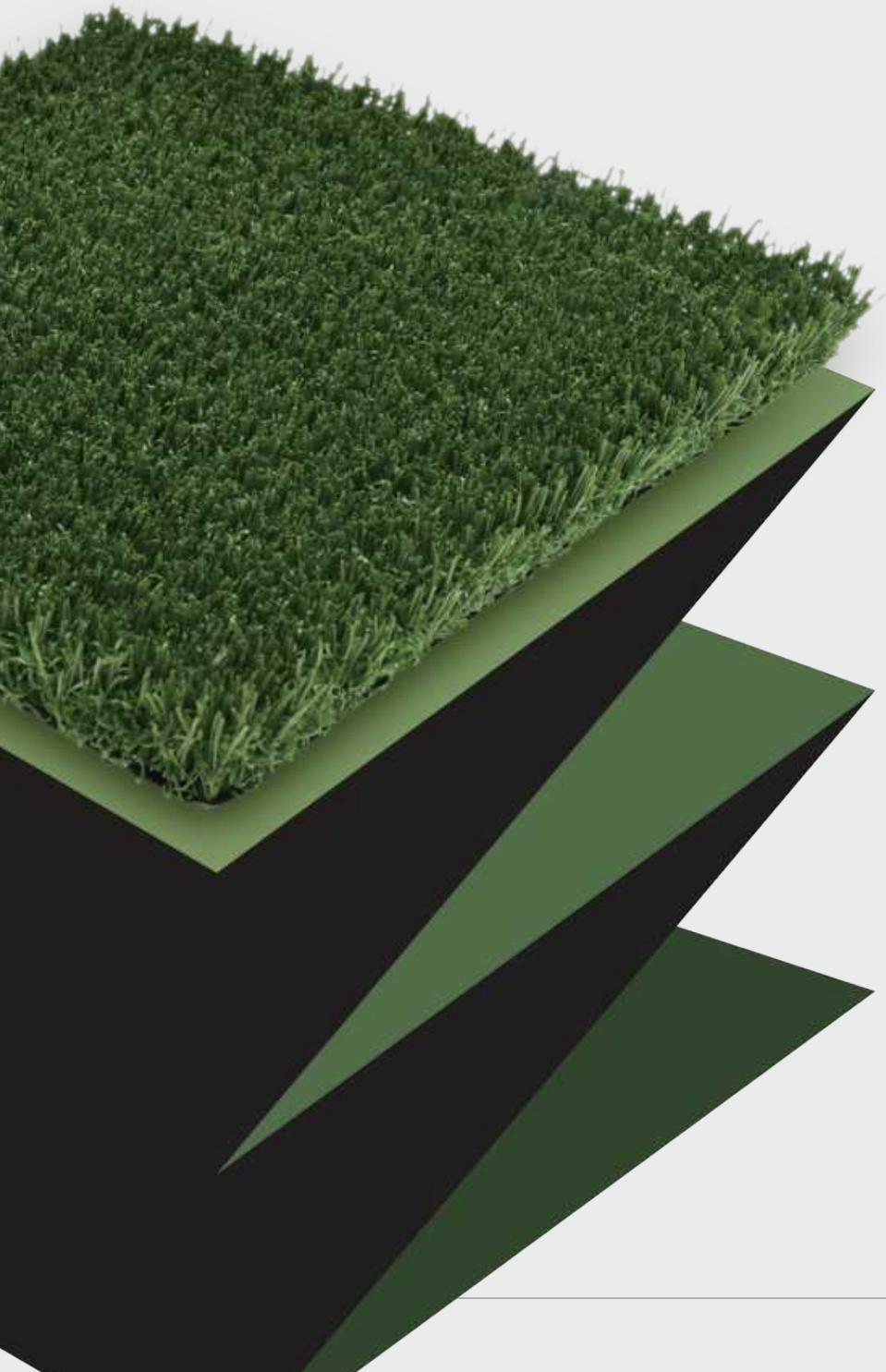

LEAP
LEAP
FORWARD
CCGrass



LEAP

– A LEAP FORWARD IN NON-INFILL TECH

SPRING ROOT Tech

Leap into the future with our revolutionary **SpringRoot Tech**, a core technological innovation powering our Leap non-infilled artificial grass. This advanced tech leverages precision engineering to create a multi-dimensional turf structure, offering unparalleled standability and performance on the sports field.

LEAP

Resilient Spring Layer

Interwoven with the base layer, the second layer of flexible curly yarns fills the interspaces, offering elastic support and dynamic cushioning. This layer functions like a network of mini-springs, adding extra bounce and enhancing the system's ability to absorb and distribute impact. Such features contribute to Leap's exceptional sports performance.

Stable Lock Layer

The foundational layer employs densely tufted, robust curly yarns to forge a stable core. Engineered to replace traditional stabilizing infill, the lower layer acts as the turf's bedrock, providing unwavering stability and firmness. It upholds the structure and integrity of the system, ensuring it stands up to rigorous athletic demands.

Resilient Support

A multi-dimensional fiber design creates an ultra-dense, resilient playing surface, enhancing overall game quality. The strong, curly yarns provide stable and firm support by tightly winding and locking the straight yarns. This improves the standability of grass, enabling it to recover quickly after compression.

Shock Absorption

Leap's high-density surface acts as a cushion that absorbs and dissipates the energy generated when athletes run, jump and fall. Enhanced shock absorption translates to better protection for athletes, reducing the risk of injuries from impacts.

Superior Sports Experience

Leap is engineered with optimal friction levels to ensure the boll rolls smoothly without unexpected deviations in speed or direction.
Proper rotational resistance enhances player agility and performance, enabling swift and safe directional changes without the risk of losing balance. It's crucial for preventing slips and falls in high-speed sports.

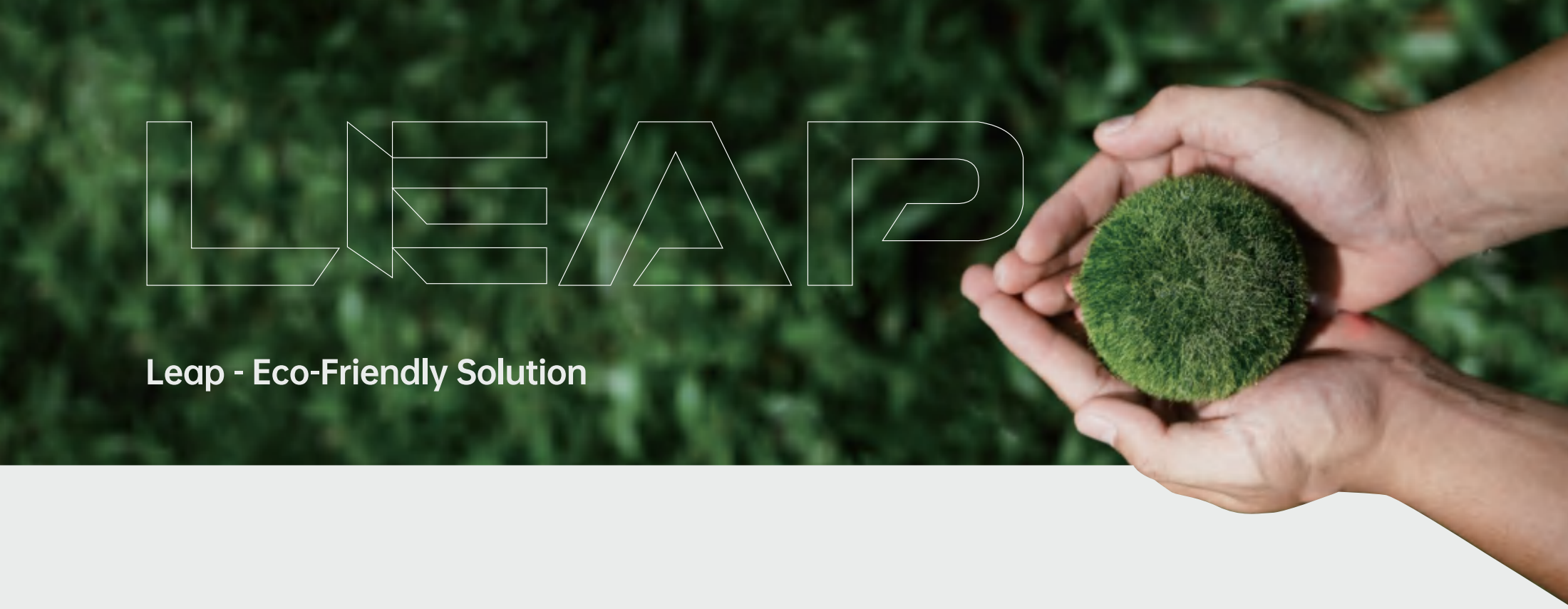
Reliable Performance Proven by Testing

Shock Absorption >60%	Vertical Deformation 4-11MM	Ball Rebound 0.6-1.0M
Ball Roll 4-10M	Withdrawal Force ≥40N	UVA 5000 H

Lisport Test Comparison

Reliable Durability

The straight yarn, made from high-grade polymer with a diamond shape, is one of the most popular and durable yarns available on the market. After Lisport 30,000 cycles, Leap still maintains good appearance, proving exceptional wear resistance. Furthermore, Leap's proven endurance in UV Aging Tests (UVA 5000 hours) highlights its ability to maintain high quality and performance for years of intensive use.



Leap - Eco-Friendly Solution

Featuring a unique high-density structure, Leap eliminates the need for traditional infills, such as crumb rubber or plastic granules, effectively avoiding infill loss issues. With traditional turfs, separating infill from the yarns is a complex, often economically unfeasible process, leading to lower recycling rates and higher disposal in landfills. In contrast, Leap consists solely of grass fibers and backing, significantly simplifying the recycling process. This streamlined composition not only enhances the quality of the final recycled material but also reduces processing costs, making the entire product more easily recyclable. By opting for Leap, we're selecting a greener, cleaner playing surface that doesn't compromise on performance while actively contributing to environmental sustainability.

LEAP

Leap - Cost-Effective Option

The real non-infill system offers substantial cost savings over time by minimizing the need for routine maintenance, such as replenishing infill, decompaction, and cleaning the particles lost from the playing fields. These maintenance activities not only require labour but also the ongoing purchase of additional infill, which can add up to costs over the lifespan of the turf.

Conventional non-infill system generally requires thicker shock pads to achieve adequate shock absorption. In contrast, the Leap system can achieve similar or superior performance with regular shock pads due to its unique high-density structure.

Furthermore, the installation of Leap is quicker and less labor-intensive since it does not require the additional steps of infill delivery, spreading, and settling. This streamlined process will reduce initial setup costs and significantly improve installation efficiency.

When considering the total cost of ownership, including installation and maintenance over the turf's lifecycle, Leap presents a potentially more economical option, providing substantial financial benefits.

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