



ShockPal™ Sports

The Foundation for Greatness

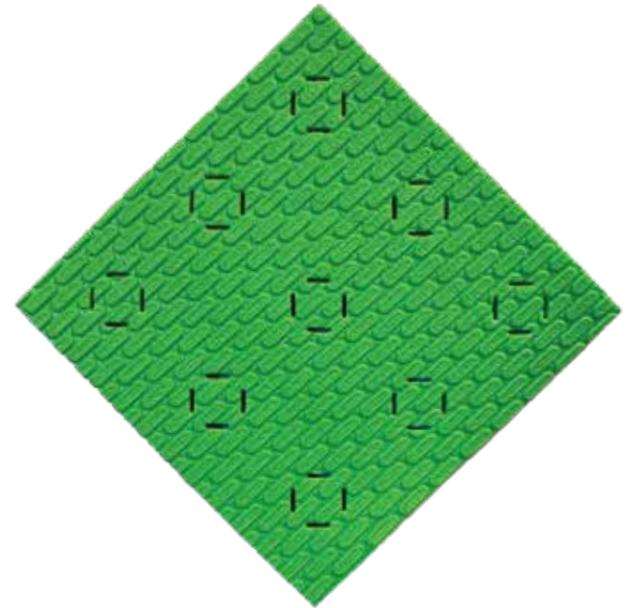


ShockPal™ Ground Guard

The Foundation for Elite Sports Performance

Elevate your game with ShockPal™ engineered for the rigorous demands of professional and recreational sports, ShockPal™ redefines the standard for sports field underlayment. Its innovative design enhances player safety, boosts performance, and ensures the longevity of your field. Whether it's football, soccer, rugby, or multi-purpose fields, ShockPal™ provides the reliable foundation you need to build fields that perform at the highest level.

Built for champions, ShockPal™ is more than just an underlayment. It's a high-performance solution designed from the ground up. Unlike traditional turf underlayment options, ShockPal™ delivers consistent results across every project. With superior shock absorption, enhanced energy return, and customizable options, it's engineered to protect athletes while optimizing the field's playability and durability.



Key Benefits

◆ Unmatched Consistency

Manufactured from scratch, ensuring uniform properties across every batch. This provides predictable Gmax, HIC, and other performance metrics, resulting in safer and more consistent playing surfaces.

◆ Pure, Reliable Material

Unlike competitors who use recycled production waste, ShockPal™ is made from virgin materials, eliminating variability and ensuring consistent performance over time.

◆ Thermal Stability

ShockPal™ is engineered to maintain its properties even under extreme temperature fluctuations, making it a reliable choice in all weather conditions.

◆ Tailored for Your Field

Our flexible design allows for a wide range of customizations, including thickness, width, and surface patterns, ensuring the underlayment perfectly matches your project's specific needs.

Durability That Lasts

Built to withstand the elements and heavy use, ShockPal™ ensures long-lasting performance for your field. Its durable construction minimizes wear and tear, providing a reliable solution that helps your investment stand the test of time.

Ideal Applications for Multi-Sport Use



Football



Soccer



Baseball



Lacrosse



Rugby

Property	Test Method	10mm	12mm	15mm
Density		3	3	4
Thickness		10mm	12mm	15mm
SA (%)	ASTM F3189*	65.8	71.8	73.4
VD (mm)	ASTM F3189*	10.8	12	12.5
ER (%)	ASTM F3189*	47.4	44.3	44
HIC (ft)	ASTM F3146*	2.6	3.2	3.2
Gmax (G)	ASTM F355-A*	138	113	108
Horizontal Water				
Flow (l/s*m)	EN 12616	0.014	0.014	0.014
0.5%				
1.0%				
3.0%		0.03	0.03	0.03
Vertical Flow (in/hr)		456	456	456
Resistance to Permanent				
Deformation				
30min	EN 15330-4 Ann. A (Short Term)	0.03	0.21	0.3
1hr		0.01	0.11	0.26
>1hr(<10mm)		Pass	Pass	Pass
30min	EN 15330-4 Ann. B (Long Term)	1.63	2.57	1.56
1hr		1.49	2.4	1.47
6hr		1.21	2.11	1.14
24hr		0.68	1.61	0.68
72hr		0.3	1.32	0.6
>72hr(1.5mm)		Pass	Pass	Pass
Dimensional Stability	EN 17326	1mm	2mm	2mm

*Tests performed on a full turf system

System

Turf	Generic 45mm
Top Layer	SBR 10kg/m2 - 2.0lbs/ft2
Bottom Layer	Sand 15kg/m2 - 3.1lbs/ft2
Base	Concrete



Contact ShockPal™ for all your on-field underlayment needs

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