



SPORT SHOCK

Impact Attenuation Layer for Synthetic Turf Sport Surfaces and Playgrounds

Sport Shock is produced from cross-link, closed cell polyethylene (PE) foam. The foam is sourced from uncontaminated post-industrial waste. Cross-link PE foam incorporates exceptional hydraulic, mechanical and structural properties not attainable with other materials. These inherent properties make it the ideal raw material for the requirements of Sport Shock is made from **100% RECYCLED MATERIALS!**



Performance

- Shock absorption layer provides consistent, engineered safety across entire field.
- A two part shock absorption layer (mat and infill) enables design optimization of safety (g_{max}) and playability (vertical deformation, ball rebound). Firm but safe.

Superior permeability provides rapid water drainage

Sport Shock is specifically designed to remove water from the field; a virtual flat pipe directly under your synthetic turf surface. It is manufactured with built-in permeability and lateral flow properties designed to compliment the natural aggregate layer to easily drain the most severe rainfall event.



Yuba College - May 2010

Exceptional G-max attenuation

Sport Shock will enhance any turf system, providing a shock attenuation layer (g_{max}) directly under the turf surface. Our testing data reports that using Sport Shock on any turf system will result in an improved g_{max} score throughout the life of the field.

Safe and Long lasting

Sport Shock will last the lifetime of the field and will not degrade or get hard. In fact, preliminary testing indicates it will outlast the synthetic turf itself and may be used for two cycles.

Lays flat, stays flat ...Conforms to the Subgrade

Flexible, with minimal thermal coefficient of expansion and contraction, Sport Shock will conform immediately to the subgrade, and can be placed directly on prepared soils, asphalt, concrete, stone or an existing E-Layer.



Installation of Sport Shock on Asphalt to Green project, NY 2010



For more information, please contact us

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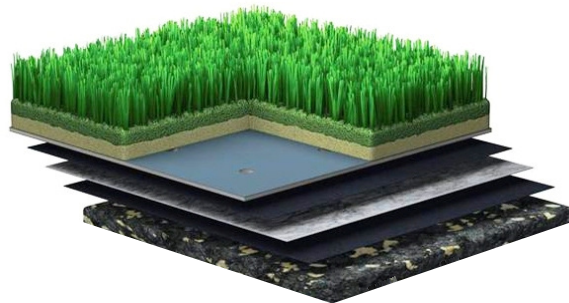
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The drainage material is comprised of recycled cross-linked polyethylene foam bonded with non-woven geotextile on one side of the mat. The product is designed to promote exceptional shock attenuation (g_{max}). The shock pad material conforms to the values and test methods listed below:

PROPERTY	MEASURE	TEST	VALUE
MATERIAL CHARACTERISTICS			
Dimensions ¹			48" x 210' (+/- 5 mm)
Composition	95% Recycled, non-contaminated, post industrial, cross-link, closed cell polyethylene foam		
Weight	Typical	Direct	0.5-.07 LBS SF
Thickness	Direct	ASTM 5199	.50" +/- 1/16"
Density	Average	ASTM 3575 Suffix W	11 — 14 LBS/FT ³
Tensile Strength		ASTM D 3574	41-44 PSI
HYDRAULIC BEHAVIOR			
Transmissivity		ASTM 4716	
	Typical	50 PSF: 1% Slope	1x10E-04 m2/sec
Permeability	Average	ASTM D 2434	>36 gal/min/SF
Infiltration Rate	Minimum	BS 7044 Method 4	42 in/hr
FIELD PERFORMANCE			
Shock Attenuation ²	Average	ASTM F 355-A	120 g_{max}

1. Custom rolls sizes available.

2. g_{max} value of pad only on 3" of aggregate. Infield g_{max} tests available upon request using a variety of infill materials.



www.engineered-sportfield.com

Impact Protection Technology

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