



MADE IN USA

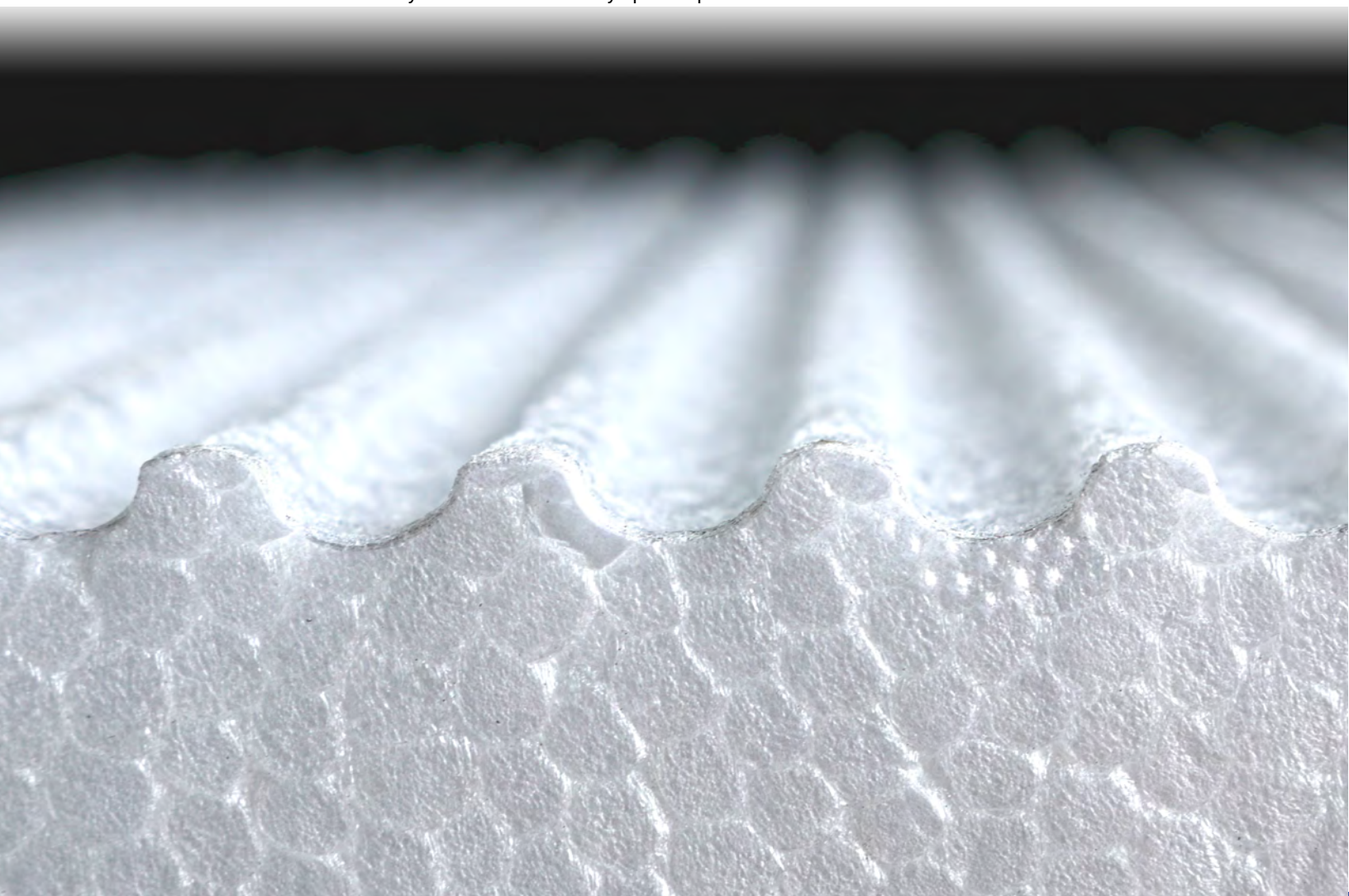
PATENTED

19mm/25mm

## DYNAMIC SHOCK PAD & DRAINAGE BLANKET

GeoFlo+® is a patented moisture conducting, non-absorbent, geo-composite shock pad made from polyolefin materials. GeoFlo+, available in both solid core and perforated core, is a pre-fabricated system that consists of a formed expanded polypropylene core. It is a highly resilient closed-cell expanded bead product, and is an ideal energy absorbing material for sport surfaces that requires impact protection and shock absorption. The use of GeoFlo+ greatly reduces risk factors associated with poor subsurface soils.

Installation provides an uninterrupted vertical-to-horizontal flow path for superior rainfall evacuation and enhanced G-MAX performance without changing the ball-action or feel under-foot. The integrity of the systems expansion and contraction capabilities is maintained by the use of the GeoClip® system which holds the GeoFlo+ in place during the installation of the turf system. The GeoClip also decreases the risk of wind negatively impacting the installation process. The GeoClip allows each individual pad to naturally react to changing temperature and humidity conditions while assuring the turf installation team is able to perform on a secure monolithic work surface. The proper installation of the GeoFlo+ system reduces G-MAX by up to 50 points.





PHYSICAL PROPERTIES	TEST METHOD	SAE	DATA
Tensile Strength	ASTM-D3575	psi	55.5
Tensile Elongation	ASTM-D3575	%	18
Tear Strength	ASTM-D3575	lbs/ft	13
Thermal Conductivity (K)	ASTM-C177	BTU-in/ft <sup>2</sup> -hr-°F	0.25
Thermal Resistance (R)	ASTM-C177	@70°F	3.9
Coeff. of Lin. Therman Expansion	ASTM-D696	in/in/°F x 10 <sup>-5</sup>	5.7
Service Temperature	ASTM-D3575	°F (Max)	212
Water Absorption	ASTM-D3575/C272	%	<5.0
Compressive Creep	ASTM-D3575	% (psi)	1.2(2.0)
Flammability	FMVSS-302	<4.0in/min	Pass



**PLEASE NOTE:** For standard GeoSurfaces Products. Values shown are typical of the product and should not be construed as specification limits.

## PROPERTIES

GeoFlo+ is multi-directional (isotropic) in nature, so unlike traditional extruded products, which yield different properties along the extrusion, vertical and horizontal axis, the properties of the GeoFlo+ products are the same for a given density along all 3 axis, regardless of orientation.

## RESILIENT POLYPROPYLENE SHOCK PAD

Nominal Size: 4' x 6' / Thickness Options: 19 mm, 25 mm  
Horizontal Drainage: 50" per Hour Minimum  
Vertical Drainage: 100" per Hour Minimum (On Perforated Core)  
Maximum Initial G-MAX Less than 135

## SAFETY FEATURES

Guaranteed Maximum G-Max of field of 135 during 8-year warranty period of turf (ASTM F355 or ASTM 1936) as a system test with infill.

Guaranteed 1.3 HIC rating during 8-year warranty period of turf (ASTM F355-16e1) as a system test with infill.

## RESISTANCE

Flammability Resistance TEST FMVSS-302: Pass  
Fuel Immersion Test Coast Guard (Fuel B): Pass  
Chemical Resistance (1 Hour Exposure to Solvents): Pass

**GEO**  
SURFACES



## "TURN KEY" SPORTS SURFACING

GeoSurfaces is one of the few companies in the USA that offers in-house "turn key" sports lighting and sports surfacing. We are a licensed Professional Construction Firm, Electrical Firm, and Construction Manager that can offer complete construction and installation of FIFA, IAAF and ITF Approved Surfaces.