

# GEO FLO™ SHOCK PAD



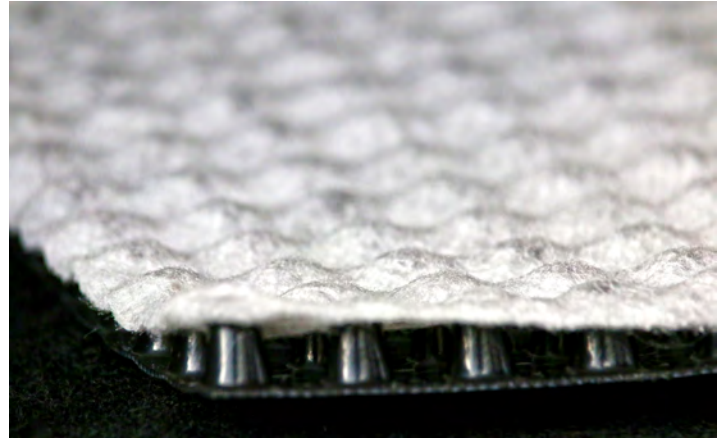
## GEOFLO™ DYNAMIC SHOCK PAD

GeoFlo is a patented high compressive strength, moisture conducting, non-absorbent, geo-composite shock pad made from recycled materials. GeoFlo is a pre-fabricated system that consists of a formed polystyrene or polypropylene core. The core provides a high compressive strength structure that allows water to flow to designated outflows. 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 system moisture-seal is maintained by use of an impervious bonding tape, which also expands and contracts, thus maintaining the function of the integral expansion joints.



TYPICAL PROPERTIES	SI	US	TEST METHOD
<b>FABRIC PROPERTIES</b>			
<b>Material</b>	<b>Polypropylene</b>	<b>Polypropylene</b>	
Grab tensile strength	110 lbs	485 N	ASTM D4632
Puncture strength	65 lbs	285 N	ASTM D3787
Trapezoidal tear	50 lbs	220 N	ASTM D4533
Mullen burst strength	215 psi	1430 kPa	ASTM D3786
Elongation	60%	60%	ASTM D4632
EOS (AOS)	70 sieve	212 micron	ASTM D4751
Permittivity	1.6 sec -1	1.6 sec-1	ASTM D4491
Permeability	0.01 ft/sec	0.3 cm/sec	ASTM D4491
Flow rate	150 gpm/ft2	6110 lpm/m2	ASTM D4491
<b>CORE PROPERTIES</b>			
<b>Material</b>	<b>Polypropylene</b>	<b>Polypropylene</b>	
Thickness	1/2 in	11 mm	
Comp. Strength	20,000 lbs/ft2	1464 kN/m2	ASTM D1621(Mod)
Flow capacity per unit width	16 gpm/ft	200 lpm/m	ASTM D4716
Expansion Coefficient	4.42 x10-5 in/in Per°C		
Product Weight	30 oz/yd2		

**WHEN INSTALLED PROPERLY, GEOFLO LOWERS G-MAX BY 15 TO 20 UNITS.** All information, drawings and specifications are based on the latest product information available at the time of printing. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.



## “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.