PATENTED

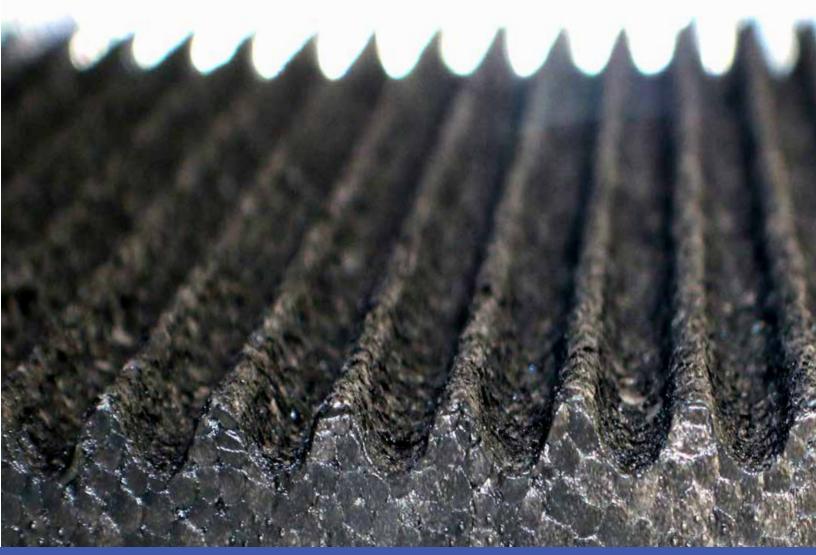




DYNAMIC SHOCK PAD & DRAINAGE BLANKET

GeoFlo+® is a patented high compressive strength, 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 foam 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 $GeoClip^{TM}$ system which holds the $GeoFlo+^{\textcircled{\tiny{\textcircled{0}}}}$ in place during the installation of the turf system. The $GeoClip^{TM}$ also decreases the risk of wind negatively impacting the installation process. The $GeoClip^{TM}$ 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 $GeoFlo+^{\textcircled{\tiny{\textcircled{0}}}}$ system reduces G-MAX by up to 50 points.



PHYSICAL PROPERTIES

Tensile Strength
Tensile Elongation
Tear Strength
Thermal Conductivity (K)
Thermal Resistance (R)
Coeff. of Lin. Therman Expansion
Service Temperature
Water Absoption
Compressive Creep
Flammability

TEST METHOD

ASTM-D3575 ASTM-D3575 ASTM-D3575 ASTM-C177 ASTM-C177 ASTM-D696 ASTM-D3575 ASTM-D3575/C272 ASTM-D3575 FMVSS-302

SAE

55.5 psi % 18 lbs/ft 13 BTU-in/ft2-hr-9F 0.25 @70°F 3.9 in/in/°F x 10⁻⁵ 5.7 °F (Max) 212 % < 5.0 % (psi) 1.2(2.0)<4.0in/min **Pass**

DATA



PLEASE NOTE: For standard Geo-Surfaces 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 foams, 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: 19 mm Horizontal Drainage: 50" per Hour Minimum Vertical Drainage: 100" per Hour Minimum (On Perforated Core) Maximum Initial G-MAX Less than 100

Guarantee maximum average G-MAX of field of 125 during 8-year warranty period of turf. (ASTM) F355; system test under in-filled turf.

RESISTANCE

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



A PROFESSIONAL ENGINEERING FIRM

Geo-Surfaces 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 Engineering Firm, Electrical Firm, General Contractor and Construction Manager that can offer complete construction and installation of FIFA, IAAF and ITF Approved Surfaces while also offering full design and installation of our Sports Lighting technologies.