



## GEOGREEN® 'REPLICATED GRASS'

GeoGreen® is a dimensionally stable 'Replicated Grass' consisting of a Tencate XPS yarn and K29 backing, with a urethane secondary coating which is heat activated to permanently lock fiber tufts in place. GeoGreen is tufted with a 100% Tencate polyethylene yarn utilizing a curvilinear yarn configuration. The yarn is tufted with a maximum 1/2" gauge (stitch separation) and a maximum filament height of 2". GeoGreen is in-filled with resilient particles above a 1/4" ballast layer.

The system is enhanced with a dynamic shock pad and drainage blanket, GeoFlo® or GeoFlo®+, to maximize G-Max performance and to provide full area vertical-to-horizontal drainage while minimizing risks associated with aggregate base materials and sub-surface soils. This is accomplished without changing ball-action or the natural feel-under-foot.



### TYPICAL PROPERTIES

### U.S.

### TEST METHOD

Yarn Face Weight (oz per square yard)	Minimum 50 ounces	ASTM D5848
Yarn Thickness	120 Micron	ASTM D5848
Tufting Gauge	Maximum 1/2 inch	Empirical
Wear Resistance	100,000 cycles (no loss of weight or length)	Stud Roller
Tuft Bind	8 pounds	ASTM D1335
Grab Tear Strength	250/250 (X & Y)	ASTM D5034
Primary Backing	Tencate K29	Empirical
Secondary Backing	20 oz urethane	ASTM D5848
Total Weight (oz per square yard)	77 ounce (without infill)	ASTM D5848
In-fill Depth	1.5 inch	Empirical
Relief (length of yarn above the infill)	.5 inch	Empirical
Initial G-Max	>135 using GeoFlo Shock Pad	ASTM F355A
Ultimate G-Max (highest attainable)	>165 using GeoFlo Shock Pad	TSI 128
Infill material	7-14 Ambient Ground SBR over sand ballast layer	Empirical
Permeability	64.5 inches per hour	ASTM D4716
Flammability (PILL) Test	Pass	ASTM D2859



## "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.