

GEOGREEN® 'REPLICATED GRASS'

GeoGreen® is a dimensionally stable 'Replicated Grass' consisting of a Tencate K29 backing, with a secondary coating which is urethane activated to permanently lock fiber tufts in place. GeoGreen is tufted with a 100% Tencate polyethylene yarn utilizing a curvilinear yarn configuration. The varn 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.



U.S. TYPICAL PROPERTIES TEST METHOD

Yarn Face Weight (oz per square yard)

Yarn Thickness **Tufting Gauge**

Wear Resistance **Tuft Bind**

Grab Tear Strength

Primary Backing

Secondary Backing Total Weight (oz per square yard)

In-fill Depth

Relief (length of yarn above the infill)

Initial G-Max

Ultimate G-Max (highest attainable)

Infill material Permeability

Flammability (PILL) Test

Minimum 50 ounces 120 Micron Maximum 1/2 inch

100,000 cycles (no loss of weight or length)

8 pounds

250/250 (X & Y)

Tencate K29

20 oz urethane

77 ounce (without infill)

1.5 inch

.5 inch >135using GeoFlo Shock Pad

>165 using GeoFlo Shock Pad

7-14 Ambient Ground SBR over sand ballast layer 64.5 inches per hour

Pass

ASTM D5848

ASTM D5848 Empirical

Stud Roller

ASTM D1335

ASTM D5034

Empirical ASTM D5848

ASTM D5848 Empirical

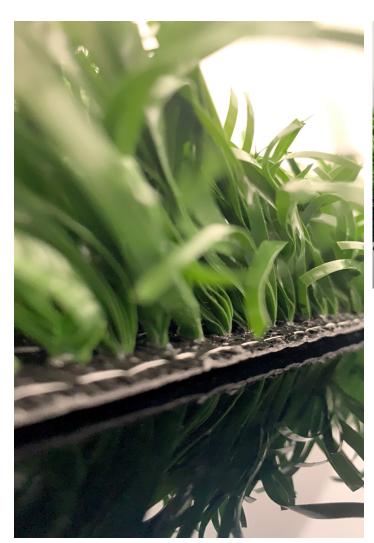
Empirical

ASTM F355A **TSI 128**

Empirical

ASTM D4716

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.