

## GEOGREEN<sup>®</sup> 'REPLICATED GRASS'

GeoGreen<sup>®</sup> is a dimensionally stable 'Replicated Grass' consisting of a Tencate XPS yarn and D29 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<sup>®</sup> or GeoFlo<sup>®</sup>+, 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.

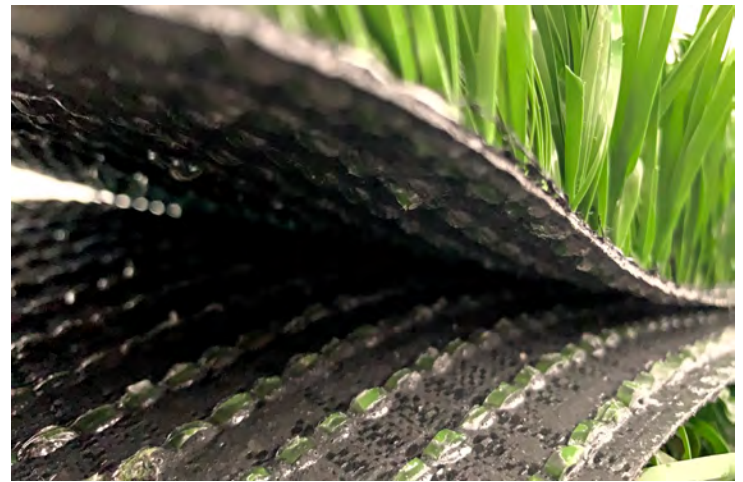


### TYPICAL PROPERTIES

### U.S.

### TEST METHOD

|  |   |             |
|--|---|-------------|
| Yarn Face Weight (oz per square yard)    | Minimum 45 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  |



 TENCATE GRASS

## “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.