



FUSION



Fusion

Our FUSION is a blend of two proven products and a new color combination. We have blended our “work-horse” the Mono-Sport Fiber in our PRO product with a two colored monofilament fiber. The result is a 3-color, durable product with excellent traction; one can say “the best of three worlds.” When installed this system looks and feels like fresh mowed grass.

This turf system is composed of a combination - a “FUSION” of three distinct sport fibers.



The REALFILL™ starts with a unique silica pea gravel base. This feature provides proper fiber support, energy restitution enhanced shock absorption and rapid drainage. REALFILL’s larger granules won’t compact under weather and heavy use.



A finish layer of dust free rubber granules completes the REALFILL™ system. The rubber shape and size minimizes “fly out”, “splashing”, and migration of the rubber. The result is a uniform, predictable playing surface.

All Hellas systems are installed by our own installation Crews for quality assurance. The Realfill™ infill and backing are patented features.



FUSION



Synthetic Turf System

| <u>Standard</u> | <u>Property</u> | <u>Specification</u> |
|---------------------|--------------------------------------|--|
| 1 ASTM D418/D5848 | Pile Weight | 45 oz. /Sq. Yd. |
| 2 ASTM D5848 | Primary and Secondary Backing Weight | 9.2 oz. /Sq. Yd. |
| 3 ASTM D5848 | Secondary Coating Weight | 26 oz. /Sq. Yd. |
| 4 ASTM D5848 | Total Weight | 80.2 oz. /Sq. Yd. |
| 5 ASTM D1907 | Yarn Denier | 11,000/8,000 |
| 6 ASTM D418/D5848 | Pile Height | Finished 2 1/4" |
| 7 ASTM D5793 | Tufting Gauge | 1/2" |
| 8 ASTM D5848 | Primary Backing | Tri-layer woven Polypropylene |
| 9 ASTM D5848 | Secondary Coating | Polyurethane |
| 10 ASTM D1335 | Tuft Bind without Infill | 8 lbs. +/- |
| 11 ASTM D1682/D5034 | Grab Tear (width) | 273.1 lbs. Force |
| 12 ASTM D1682/D5034 | Grab Tear (length) | 236.1 lbs. Force |
| 13 ASTM D4991 | Carpet Permeability | >30 inches/hour |
| 14 ASTM D2859 | Flammability (Pill Burn) | Pass |
| 15 ASTM F355 | G-max (Impact Attenuation) | <130 at installation <190 over warranty life |
| 16 ASTM E-11 | Realfill™ Infill | 5-6 lbs +/- per square foot |
| 17 | Fabric Width | 15' |
| 18 | Perforation | 3/16" Holes 2"X 2 1/8" |
| 19 | Yarn Thickness/Width | 115 microns PE mono fiber |

All Characteristics listed above nominal +/- 5%

This document is for illustrative purposes and may change without notice. Purchaser should verify that a representative specification of the system to be installed has been received prior to the establishment of a project or contract.

Fusion™ incorporates life like individual blades of grass, tufted into the strongest and most dimensionally stable backing system available with a polyurethane pre-coat for the ultimate in tuft-bind.

Fusion™ is filled with a pea gravel (2-3 lbs) and cuboidal rubber (2.5-3.5 lbs) infill - Realfill™.

The mono-sport fibers curl down to cover and trap the rubber granules preventing the system from expelling the infill upon impact.

Fusion™ is a fully UV stabilized system ideal for outdoor use.