



# axis™



## Axis™

The axis™ system features a monofilament spinneret fiber. The fiber is extremely durable but at the same time soft, due to the strong core and a flexible shell. The system is 2-toned which gives it a natural look. This monofilament fiber withstands sunlight and foot traffic better than conventional fibrillated fibers.

This fiber creates a softer field with great playing characteristics.



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.



## Monofilament Synthetic Turf System

	<u>Standard</u>	<u>Property</u>	<u>Specification</u>
1	ASTM D418/D5848	Pile Weight	38 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	73.2 oz. /Sq. Yd.
5	ASTM D1907	Yarn Denier	11,000
6	ASTM D418/D5848	Pile Height	Finished 2 1/4" - 2 1/2"
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	>10 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	6 -7 lbs +/- per square foot
17		Fabric Width	15'
18		Perforation	3/16" Holes 2"X 2 1/8"
19		Yarn Thickness/Width	235 micron PE Monofilament

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.

Axis™ 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.

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

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

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