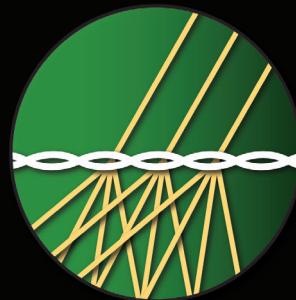




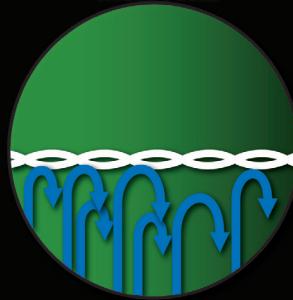
## THE BEST INSURANCE FOR YOUR TEES & GREENS



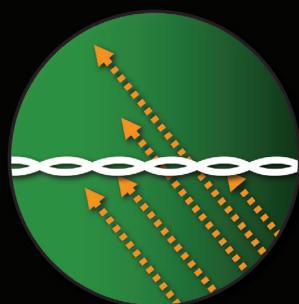
ALLOWS SUNLIGHT  
THROUGH



RETAINS CRITICAL  
MOISTURE



CONTROLS  
AIR FLOW



Turf Shield allows the turf to breathe and retain its moisture while letting sunlight through. The result is reduced risk of winter kill, faster spring growth and deeper root penetration.

In addition, Turf Shield reduces spring clean-up costs and controls the dissipation of any applied chemicals and fungicides. Our permeable fabric is UV stabilized, mildew resistant and will provide many years of performance. Turf Shield is available in custom sizes at standard size prices.

Call IVI-GOLF at 888-970-5111

[www.ivи-golf.com](http://www.ivи-golf.com)

brought to you by





## THE BEST INSURANCE FOR YOUR TEES & GREENS



Turf Shield® is simply the easiest, most affordable protection from winter's effects you can give your critical areas. It's also a real asset for grow-in stage during new construction or renovation projects.

Woven from durable, translucent polyethylene, Turf Shield creates a thin, protective layer that acts as a small greenhouse, allowing the turf to breathe and retain its moisture while letting sunlight through.

### WINTER KILL

The effects of cold and freezing weather damaging to your prized greens and tees. Not just for predictable northern climates, the occasional freezes and frosts deep into southern areas can, and will, damage these high investment areas.

Turf Shield reduces this risk, promotes faster spring growth, and helps create deeper root structures. In addition, Turf Shield reduces spring clean-up costs and controls the dissipation of any applied chemicals and fungicides.

### HOW IT WORKS

Turf Shield performance is created from the permeable weave and translucent fibers. These fibers create tiny little prisms, multiplying and reflecting light throughout the weave. With enough space between this weave, the flow of air and moisture is controlled, creating a small greenhouse effect. Turf Shield uses this principle to provide simple, low-cost insurance against the negative impacts of winter.

### GERMINATION & ROOT STRUCTURES

Beyond the factors of winter weather, Turf Shield can play an important role in newly seeded areas and high traffic zones around the course. The greenhouse effect keeps moisture in the soil and improves growth agent performance. This allows for faster seed germination and helps create deeper root structures.



## TURF SHIELD® ARCTIC

The Turf Shield Arctic variation adds a layer of non-woven, high-loft polyester as an additional level of protection. This addition creates a larger void area for greater air flow and thermal control.

The Turf Shield Arctic layer is manufactured in 90" widths, to minimize seams and simplify installation. The standard length is 150' with a shipped roll size of 1,125 square feet.

## PRODUCT OPTIONS

IVI-GOLF offers the standard Turf Shield in standard and custom sizes. For greater flexibility and convenience, we offer the following options:

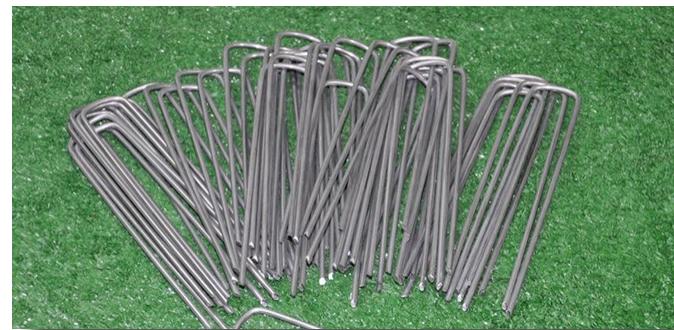
- Heavy-Duty Perimeter Webbing
- Steel Grommets
- Storage Bags w/ ID Tags
- Staples, Stake, and Pegs

## PRODUCT FEATURES

Turf Shield is constructed of high tensile strength polyethylene yarns, woven to create a very durable fabric. With double reinforced seams and edges, it will stand up to many years of use. The fabric is mildew and UV resistant, eliminating yearly cleaning and repairs.

## EASY INSTALLATION

Putting Turf Shield to work is as easy as staking or stapling it into the turf. Stake loops or grommets are spaced every five feet. To affix the covering, IVI-GOLF has a large variety of hardwood stakes, standard steel sod staples, anchors, and specially designed steel staple styles. This variety will help you choose the right fastener for various soil types or settings.





## PRODUCT FEATURES

Turf Shield is constructed of high tensile strength polyethylene yarns, woven to create a very durable fabric. With double reinforced seams and edges, it will stand up to many years of use. The fabric is mildew and UV resistant, eliminating yearly cleaning and repairs.

Turf Shield coverings are assembled with heavy-duty, double-reinforced seams. Perimeter edges can optionally be manufacturered with heavy-duty webbing and steel grommets. Finishing the construction of Turf Shield, each cover can also be optionally packaged in its own weather resistant bag. On custom-sized covers, an appropriate tee/green ID tags can be affixed.

## FABRIC SPECIFICATIONS

Property	Test Method	English Units			SI Units		
		MD	CD		MD	CD	
Mass per Unit Area	ASTM D-5261	3.1		oz/yd <sup>2</sup>	105		g/m <sup>2</sup>
Grab Tensile Strength	ASTM D-4632	150	115	lbs	668	512	N
Grab Tensile Elongation	ASTM D-4632	18	16	%	18	16	%
Air Permeability	ASTM D-737	33.5		ft <sup>3</sup> /min/ft <sup>2</sup>	10.2		m <sup>3</sup> /min/m <sup>2</sup>
UV Resistance (2000 hours)	ASTM D-4355	85		%	85		%

A woven agricultural fabric, produced from polypropylene slit-film tapes, which meet or exceed the following: \*Note: Exposure of this product to certain agrochemicals may have an adverse affect on the service life of the fabric. Some agrochemicals contain in their structure active halogens (such as chlorine) and sulphur, or other byproducts which reduce the service life of woven polypropylene fabrics. Accelerated polymer degradation and/or photodegradation may occur. Please consult your agrochemical supplier for information and other available options.

## ARCTIC THERMAL LAYER SPECIFICATIONS

Property	Test Method	English Units			SI Units		
		MD	CD		MD	CD	
Color		Black					
Mass		16		oz/yd <sup>2</sup>	.488		kg/m <sup>2</sup>
Area		1,125 ft <sup>2</sup> (90" W x 150' L)			104.5 m <sup>2</sup> (2.29m W x 45.72m L)		
Mullen Burst Strength	ASTM D-3786	149		lbs.	662		N
Grab Tensile Strength	ASTM D-4632	59.4	51.6	lbs	264	229	N
Permeability	ASTM D-4491				14.01		m <sup>3</sup> /sec

## CUSTOM SIZES & FABRICATION

In addition to standard sizes, Turf Shield orders can also be produced as custom-measured and fabricated orders. Priced similair to many standard sized covers, Turf Shield covers are based on your measurements.

Additional product information can be found by calling IVI-GOLF at 888-970-5111 or visiting us on the web at [www.ivigolf.com](http://www.ivigolf.com).



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