

# SPORT DRAIN<sub>MAX</sub>



The effectiveness of the base subsurface system is directly related to how fast it can drain. A poor draining base subsurface system will lead to a poor playing course. An effective subsurface drainage system can improve course playability, allow for timely and inexpensive maintenance, and increase the overall appeal of a private or public course.



Recycled Foam Technologies

## When it rains, it drains!

Acting as a virtual flat pipe under your synthetic turf surface, Sport Drain<sub>MAX</sub> has resolved the challenges associated with synthetic turf drainage layers by acting as a drainage protection layer that is manufactured with built-in permeability and lateral flow properties, thus easily draining the most severe rainfall event up to 6" per hour. Time to Drain, using Sport Drain<sub>MAX</sub> will be less than 20 minutes compared to days, or even months using natural aggregate materials. Sport Drain<sub>MAX</sub> creates a subsurface drainage layer that will conform to the subgrade and is flexible. It will "bounce back" to its original form without altering any of its properties, therefore creating a predictable drainage layer that will not harden or change over time or severe weather while providing long-term performance beyond the life of the turf system.

## With Sport Drain<sub>MAX</sub>, less is more!

Using Sport Drain<sub>MAX</sub> can eliminate stone drainage layers, therefore substantially reducing the need for excavation, removal, and the replacement of aggregate. It can be used directly under synthetic turf for a low-maintenance aesthetically pleasing putting green therefore eliminating up to 4" in the base layer, which can directly impact your bottom line. With Sport Drain<sub>MAX</sub>, you get a product that does it all with less.



**MADE FROM 95% RECYCLED MATERIALS**

## Benefits:

- Conforms to the subgrade
- Lays flat, stays flat
- Excellent drainage efficiency
- Eliminates the need for a stone drainage layer
- Resistant to fungus growth, bacteria and warping
- Retains properties in extreme temperatures
- Safe and long-lasting, will not change over time
- Fast, simple installation

Patent Pending

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**PRODUCT SHEET**

# ***SPORT DRAIN<sub>MAX</sub>***

The drainage material is comprised of recycled cross-linked polyethylene foam bonded with non-woven geotextile on one side of the mat. The product is grooved to promote the product's exceptional drainage capability. The drainage material conforms to the values and test methods listed below:

PROPERTY	MEASURE	TEST	VALUE
<b>MATERIAL CHARACTERISTICS</b>			
Dimensions <sup>1</sup>			48" x 210' (+/- 5 mm)
Composition	95% Recycled, non-contaminated, post industrial, cross-link, closed cell polyethylene foam		
Weight	Direct		0.9 LBS SF
Thickness	Direct	ASTM 5199	20 mm (+/- 2 mm)
Density	Average	ASTM 3575 Suffix W	10 — 12 LBS/FT <sup>3</sup>
Tensile Strength		ASTM D 4595	MD: 40 lbs/inch / TD 39 lbs/inch
<b>HYDRAULIC BEHAVIOR</b>			
Transmissivity <sup>2</sup>		ASTM 4716, GRI GC-8	
	Average	500 PSF: 1% Slope	4x10E-02 m2/sec
	Average	500 PSF: 1% Slope	>200 Gal/min/ft
Permittivity	Average	ASTM D 4491	3.235 sec-1
Permeability	Minimum	ASTM D 2434	>34 gal/min/SF
Infiltration Rate	Minimum	BS 7044 Method 4	42 in/hr
<b>FIELD PERFORMANCE</b>			
Shock Attenuation <sup>3</sup>	Average	ASTM F 355-A	97 G <sub>MAX</sub> (Concrete) : HIC 252
			88 G <sub>MAX</sub> (Aggregate) : HIC 204

- Standard Roll Size 48" x 210', Also available in sheets. Custom rolls sizes available.
- Transmissivity tested by manufacturer every 100,000 square feet of product per ASTM D4716. Testing conditions are: steel plate / geocomposite / geomembrane / steel plate. The seating period is 100 hours.
- Infield GMAX tests available upon request using a variety of infill materials.

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**3R FOAM**

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