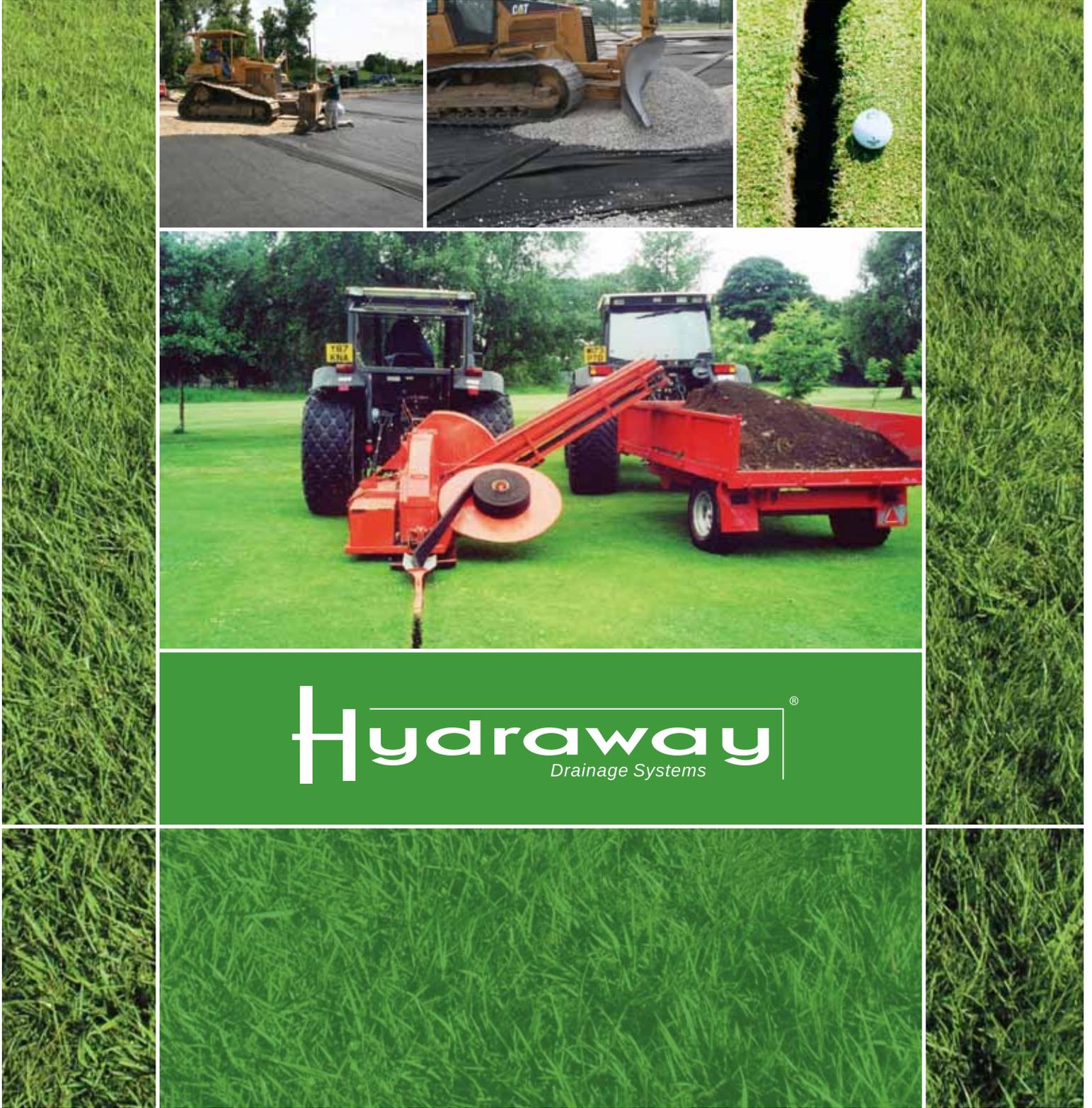


# THE COMPLETE DRAINAGE SOLUTION



**Hydraway**<sup>®</sup>  
Drainage Systems

*for natural & synthetic  
turf applications*

**Hydraway**<sup>®</sup>  
Drainage Systems

# HYDRAWAY® STRENGTH & QUALITY

## PHYSICAL PROPERTIES

Product	Test Method	Typical Value
Compressive Strength	ASTM D695/1621	11,400 PSF
Flow Rate at 1500 PSF	ASTM D4716 <sub>1</sub>	21 GPM/Ft.-Width
Peel Strength <sub>2</sub>	ASTM D1876	35 lbs./Ft.-Width
High Density Polyethylene	(HDPE)	

### Fabric (4.5 oz.)

Elongation	ASTM D4632	50%
Grab Tensile	ASTM D4632	120 lbs.
Flow Rate	ASTM D4491	135 gal/min/ft <sup>2</sup> <sub>3</sub>

### Roll Dimensions

Width	6", 12", 18", 24" - Other sizes available upon request
Length	150' - up to 550' upon request

1 - Gradient of 0.1  
 2 - Fabric to core (minimum average value)  
 3 - Values shown are weaker in principal direction. Minimum average roll values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.



Short and minimal disruption for any application, whether that be synthetic or natural turf and whether installed by hand or machine process.



## Case Study New Orleans Zephyrs Baseball Field



“ When it was decided to rebuild our field, Hydaway drainage system was a great alternative that was brought to our attention. It was convenient for retrofitting the field along with its high inflow rate and its compressive strength during construction. The 12” Hydaway lines on 15’ centers are able to dewater the surface fast enough for our team to play.

On August 21, 2009, at 3:00 pm, an afternoon thunderstorm arose over the ballpark. By 3:30 PM the only things visible on the field were the infield tarp and the bullpen tarps. By 3:45 pm, the stadium had received 3.17” of rain. With help of our front office staff to dump the tarp, the Zephyrs were playing by 7:30 pm with compliments from the Pacific Coast League and its umpires. ”



- Thomas Marks, Head Grounds Keeper



### Strength

Hydraway is made of a heavy duty, clog resistant geotextile fabric, heat fusion bonded to a rugged High Density Polyethylene (HDPE) core for strength and support.

Specially Engineered design permits high flow rates for rapid dewatering of the turf area while effectively preventing passage of soil particles.

### Quality

- » Hydaway allows water to enter on all sides for rapid dispersal of excess surface water & eliminates standing water.
- » Hydaway allows for water penetration of up to 70% per linear foot (traditional pipe only allows 3-5% due to the small opening sizes in the pipe).
- » Highest Compressive strength at 11,400 PSF.
- » Versatile system suitable not only for sports turf, but a wide variety of amenity uses.
- » Used on 100's of athletic fields yearly.
- » Proven performance since 1983.

“ The reason we use Hydraway 2000 can be summed up in two in words, strength and permeability. When we use Hydraway 2000 under our fields, we know that we are using a material that has superior compression strength combined with higher permeability and water flow rates than other products we have used in the past. ”

- Charles D. Morris, PE  
J.E.M. Morris Construction, INC.



“ As one of the longest running and most prevalent synthetic turf designers in the Chicago area, we are familiar with all brands of flatdrains. In addition, we also utilize flatdrains for natural grass drainage. We are very impressed with the Hydraway product line for both synthetic turf and natural grass drainage applications. We have found it to possess much better drainage parameters AND to be much more economical than other flatdrain products. ”

- Jason E. Green, PE  
W-T Engineering, Inc.



“ For several years, we have specified Hydraway products as part of the subsurface drainage design under natural and synthetic athletic fields, utilizing both horizontal and vertical applications. We could not be more pleased with the high quality and performance of the products. ”

- Ed Norton, Landscape Architect  
Holcombe Norton Partners, Inc.



“ The high in-flow and high compressive strengths make Hydraway the ideal drainage solution. This quality product backed by superior customer service makes it easy to give Hydraway Drainage Systems our repeat business. ”

- Dave Stein  
Munie Greencare Professionals



“ For my firm, it was great to use such a quality constructed and engineered product because the drainage system will be productive and long lasting. The high compressive strength and high inflow rate of the Hydraway product were two reasons that it was specified for this project. ”

- Richard T. Moffitt  
Moffitt and Associates



“ When given a choice, because of proven reliability and superior customer service, we prefer to use Hydraway 2000 drainage systems in the construction of both our synthetic and natural turf athletic fields. ”

- Bobby Chamlee  
Eagle Golf and Athletics



“ Clark Companies has been installing subsurface drainage systems for many years on both natural and synthetic turf fields and has used all types of systems. Two years ago, we started using the Hydraway 2000 Subsurface Drainage System and were immediately impressed by the ease of installation and high compressive strength of the product. These features coupled with an unsurpassed industry water in-flow rate is why we continue to choose the Hydraway 2000 Subsurface Drainage System over the competition. ”

- Scott Clark, President  
Clark Companies



“ In the summer of 2007, we were retained to design a new sub-surface drainage system for the LSU lady softball facility, Tiger Park. The system has performed as advertised since the day it was installed. I can recommend this product without hesitation. It performs as advertised and the Hydraway team provides quality products and excellent services to the design and installation professionals. ”

- Roy T. Dufreche  
Landscape Architect



Hydraway Drainage Systems | 800-223-7015 | [hydraway.net](http://hydraway.net)

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