



# Turfdrain

A guide to the selection  
and specification of ABG  
Turfdrain sports pitch  
drainage system.



**abg** creative  
geosynthetic  
engineering



# Turfdrain

Turfdrain is a high performance drainage system that, once installed, allows rain water to rapidly drain from the playing surface and away into the drainage system.

It consists a dimpled plastic core which is completely wrapped in a highly permeable geotextile filter fabric. It is specifically designed to replace traditional methods used for creating drainage channels which utilise perforated pipe and filter stone. The outer textile wrap ensure that fines cannot enter the core preventing the system from clogging.

Turfdrain is just 25mm wide and can easily be installed in trench just 35mm wide. This results in less disturbance of the playing surface than encountered with laying pipes and gravel and also less materials to remove from the facility. The slit trenches are backfilled with sharp sand and provide long-term drainage performance. This narrow trench installation technique also means that the playing surface can be put back into use immediately after installation.

Turfdrain is suitable for use in all existing grass surfaces including playing fields and amenity areas, football, rugby and cricket pitches, lawns and golf course fairways.

## Playing Surface

Installation of drainage strips within narrow trenches means minimum disruption to playing surface and allows immediate reinstatement.

## Fildrain

Fildrain collector system collects and transports water away from drainage strips.

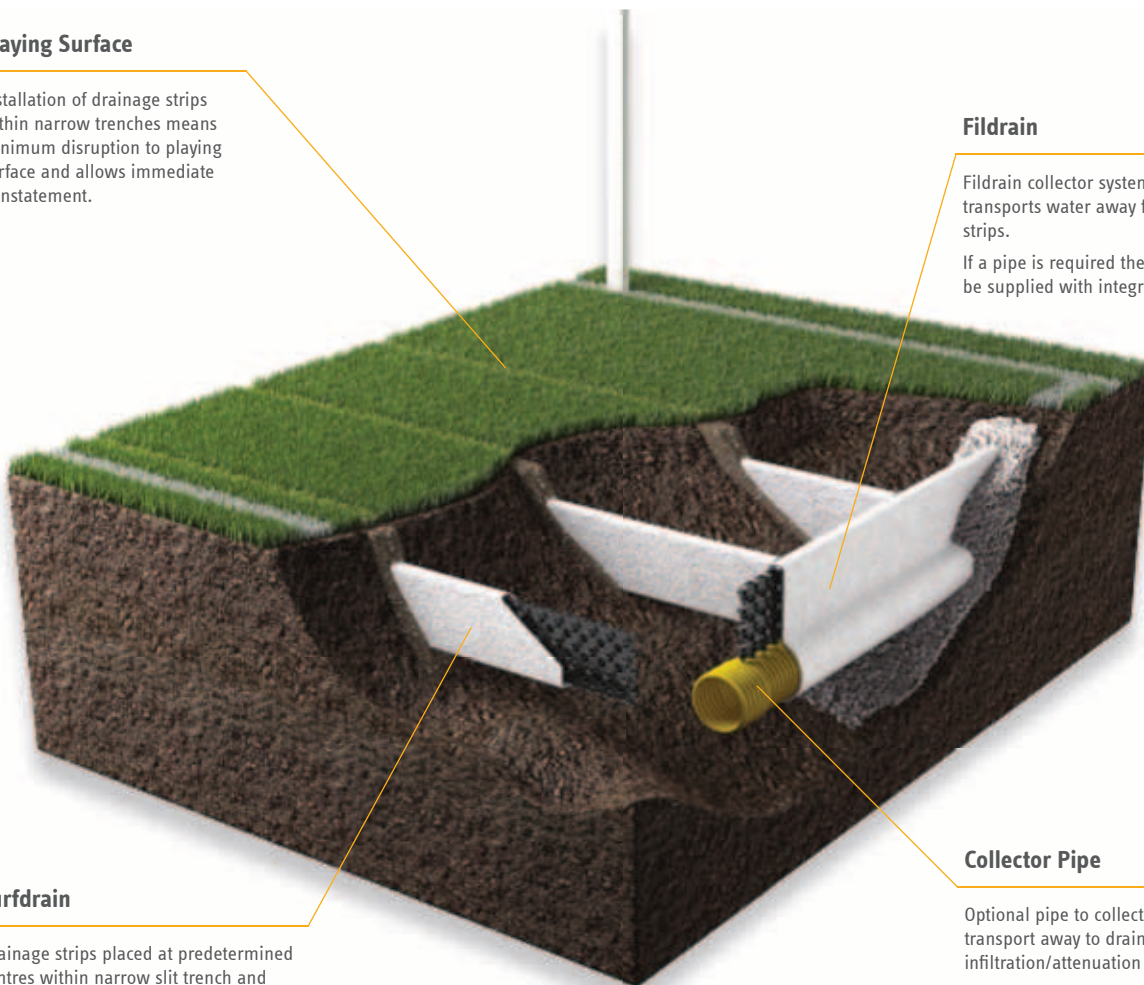
If a pipe is required then Fildrain can be supplied with integral sock.

## Turfdrain

Drainage strips placed at predetermined centres within narrow slit trench and backfilled with sharp sand

## Collector Pipe

Optional pipe to collect water and transport away to drainage or infiltration/attenuation system.





## Benefits

- Turfdrain is compact, lightweight and can be carried by hand allowing access to inaccessible areas and minimising vehicle movements on the playing surface.
- Using Turfdrain greatly reduces material movements both to and from site.
- Playing surfaces can be put back into action almost as soon as installation is complete.
- Turfdrain is quick and simple to install.
- Using Turfdrain gives factory constant performance.
- High crush strength means Turfdrain can be installed in shallow trenches resulting in less disruption and less material to remove from site.
- Turfdrain requires little or no gradient to perform effectively.
- Offers a cost effective solution to the efficient drainage of sports pitches and other amenity areas.

## Performance

Material		Perforated Single Cusate (HDPE) Needle-punched, Non-woven Polypropylene (PP)
• Core • Filter textile		
Pore size	µm	110
Breakthrough head	mm	0
Permeability (@50mm head)	l/m²·s	90
Core transmissivity	l/m·s	12
Crush strength	kPa	240

Data contained in this table is indicative only and should not be used for final design. Please contact ABG on 01484 852096 or by email on [technical@abgltd.com](mailto:technical@abgltd.com) to discuss your project specific requirements.

For further information on **Turfdrain** contact ABG on **01484 852096** or visit [www.abgltd.com/products/turfdrain](http://www.abgltd.com/products/turfdrain)





**abg Ltd.** E7 Meltham Mills Rd, Meltham, West Yorkshire, HD9 4DS  
t 01484 852096 e [suds@abgltd.com](mailto:suds@abgltd.com) w [www.abgltd.com](http://www.abgltd.com) @abg\_ltd



This literature together with technical data, specifications, design guidance, technical advice, installation instructions or product samples can be obtained by contacting ABG Ltd. All information supplied in this brochure is supplied in good faith and without charge to enable reasonable assessment of the practical performance of ABG products. Final determination of the suitability of information or material for the use contemplated and the manner of the use is the sole responsibility of the user. As design and installation is beyond the control of ABG (unless specifically requested) no warranty is given or implied and the information does not form part of any contract. ABG reserve the right to update the information within at any time without prior notice. ©2015 ABG Ltd.