

# AirDrain

–What drains better than Air?

## Drainage for Synthetic Turf K-9 Areas

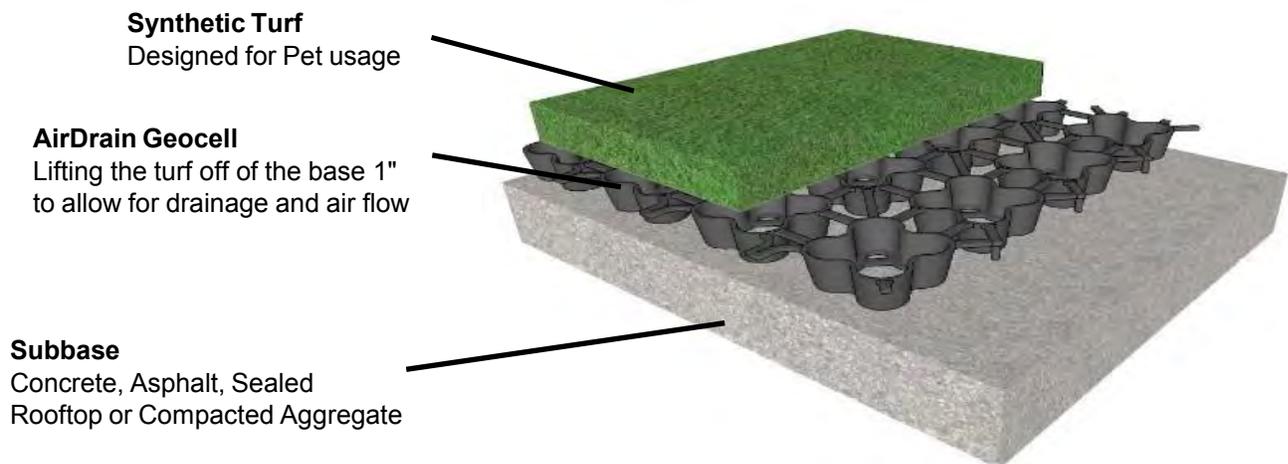
AirDrain is a 17+ year proven success! With over 800+ K9 areas installed, AirDrain K9 Drainage by Patio Grass Drain Systems.

AirDrain is made with the highest quality 100% post manufactured industrial recycled content. Due to 92% air void underneath the turf, unwanted waste can be washed away quickly by using an easily installed flushing system. This flushing system attaches to any water source and uses inexpensive PVC piping around the perimeter of the grid. Low cost, easy to install, do it yourself drainage.

### Dog Run Drainage Performance is divided into 3 parts:

1. How fast can the urine drain through the synthetic turf? This can be very problematic with many drainage products. The urine must pass through a small hole in the turf backing that is often sitting on other products flat surface. This forces the urine to squeeze horizontally through the small gap between the turf backing and the drainage surface. The urine wont drain until it finds a place to fall vertically.
2. The vertical drainage how fast can the urine pass all the way into the underlayment
3. Horizontal Drainage how fast can the urine be moved to the exit drain (AirDrain is 92% air)

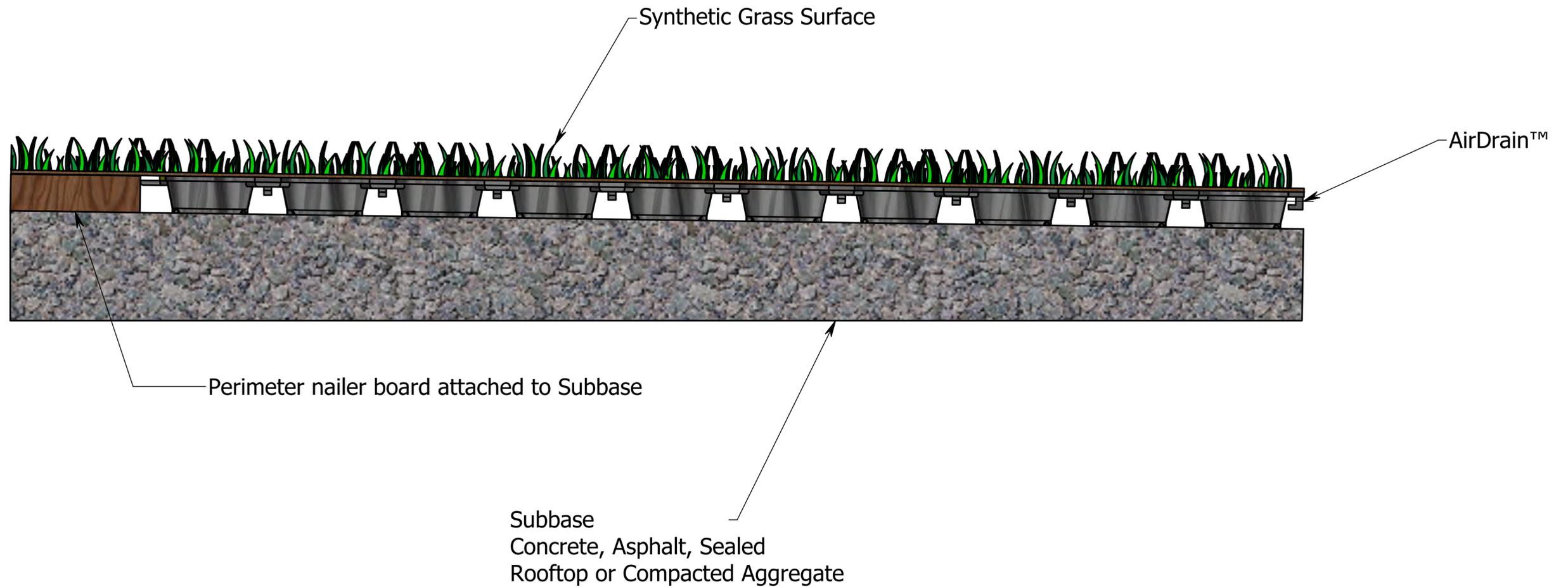
**The AirDrain Drainage System addresses all 3 of the above issues better than any other product on the market. Period!!!**



### Benefits of an AirDrain K9 Drainage System area include:

- 92% air-void for fast and easy waste removal
- Ability to flush the area daily
- AirDrain's quick snap connectors allows for effortless installation

# Pet Areas and Dog Runs



### AirDrain™ Unit Panel Specifications:

- Size: 32" x 32" x 1"
- Weight: 3.1 lb
- Strength: 233 psi (unfilled)
- Resin: 100% Recycled (PIR) Copolymer with Impact Modifier "No Break" Polymer Material
- Color: Black (3% carbon black added for UV Protection)



Patio Grass Drain Systems  
[www.patio-grass.com](http://www.patio-grass.com)

This drawing, specifications and the information contained herein is for general presentation purposes only. All final drawings and layouts should be determined by a licensed engineer(s).

DRAWN Gary	8/6/2012	<b>Patio Grass Drainage Systems</b>					
CHECKED					TITLE		
QA					Edge Detail on Pet Areas		
MFG					SIZE C	DWG NO Concrete_Airpave_002	REV
APPROVED		SCALE	SHEET 1 OF 1				
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## [AirDrain Drainage ASTM D4716 Synthetic Grass and Natural Grass Testing](#)

### **What drains better than air!**

If your field floats, has ponding or infill migration (which is an extreme player safety and owner liability issue) and you can't figure out why, maybe because they said it would drain XX amount per hour when in reality, it doesn't and never will.

Those issues don't get better they get worse! Countless hours in maintenance and grooming, adding materials etc. etc. what's the cost of that every month?

### **In a Cost Value Performance scenario, no product comes close to AirDrain!**

Over the years, many architects and engineers have asked us just how fast will the AirDrain grid drain. Our reply has always been that the AirDrain is only limited by what is above it and the exit drains due to the fact that the area of an AirDrain part is 1" inch high and has a 92% air void.

Recently, our AirDrain grid was tested using the [ASTM D 4716 Hydraulic Transmissivity Standard Test Method](#). The testing was done using plates on top and bottom of the AirDrain part, setting them to the required slope and adding water from one end down the slope. AirDrain was draining so fast they had to modify their testing equipment to accommodate the volume of water AirDrain could move.

As it turns out there is practically no resistance to drainage using the AirDrain grid? The most important factor to consider is the percentage of slope that the AirDrain is sitting on.

To put this in perspective of rainfall, AirDrain can handle anything that Mother Nature throws at it. On a nearly completely flat surface (1/2% of 1% slope) AirDrain will drain 2.85 inches of rainfall in one minute.

For example, it could rain over 171 inches in an hour and AirDrain could drain it. AirDrain can hold .576 gallons of water per sqft. if needed until it can evacuate to the perimeter exit drains.

AirDrain has been used in specs and projects where the city or county has limited the water that can be introduced into the sewer system or has limited the size or volume of the exit drains on a roof top. AirDrain's capability to hold water .576 gallons of water per sqft. in the grid until the exit drains can evacuate it is another plus for the AirDrain System.

No other product on the market comes close to AirDrain's ability to drain a project, it's not even close.

So when you see the claims of manufacturers rainfall per hour drainage, ask them if they have the test that really shows a products drainage capability.

**Now you know!**

**Nothing Drains Better Than Air!**

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