AirField Systems

pg.2-4  AirPave for Grass Paving- Fire Lane, Reinforced Turf and Flexible Porous Paving

pg.5-6  AirDrain for Natural Turf Sports Fields

pg.7-8  AirDrain for Synthetic Turf Sports Fields

pg.9-10 AirDrain for Synthetic Turf Sports Fields Rubber-Free Infill Solution

pg.11-12 AirDrain for Green Roofing— Synthetic Turf- E108 Class A Fire Rated Part Available

pg.13-14 AirDrain for Green Roofing— Natural Turf- E108 Class A Fire Rated Part Available

pg.15-16 AirDrain for Playgrounds- Synthetic Turf

pg.17-18 AirDrain for K9 – Pet Playgrounds, Dog Runs, Kennels and More

pg.19-22 AirDrain for Golf – Greens, Bunkers, Tee Boxes and Fairways

To discuss your current project, call AirField Systems at (405) 359-3775.
You can also visit our website at www.airfieldsystems.com to view projects and specs.
AirPave

By AirField Systems,

A flexible porous paving and drainage system for grass pave fire lanes, reinforced turf paving and swales. With over 400 installations across the country AirPave for grass pave is 233 psi unfilled, **6,747 psi sand filled** and is made of 100% recycled content which can contribute to LEED™ points.

AirPave always ships with enough for 2 layers of the **guaranteed analysis fertilizer** needed. One for the sub base to be worked in before compaction and watered. And the other to be added on top of the sand filled grid and watered in before the turf grass is installed. We believe if done properly it will set up the project for the best possible result.

**AirPave can save the owner up to $0.80 per square foot or more over our nearest competitors.**

CSI Master Format Sections:

- 32 12 43 - Porous Flexible Paving
- 32 14 33 - Plastic Paving
- 32 14 43 - Porous Unit Paving
- 32 92 00 - Turfs and Grasses

**Benefits of an AirPave grass paving system include:**

- A 40% or more material cost savings over most competitors
- Up to 45% cost savings on shipping, compared with rolled grass paving systems
- **2 Layers of Sustane Fertilizer with a guaranteed analysis provided with every project.**
- AirPave has been installed in over 400 flexible porous paving projects
- AirPave is made with 100% recycled copolymer polypropylene plastic with an impact modifier added to achieve a (NO-BREAK) plastics classification and a minimum 3% carbon black added for UV protection.
- Loading capability is equal to 233 psi empty and **6,747 psi when filled with clean sharp sand**, over an appropriate base depth that provides adequate support for project design loads exceeding H-20 & H-25 requirements.
- AirPave is shipped on pallets with 114 parts equal to 798 sq. ft. per pallet. Each part is 32"x32"x1", weighs 3.10 lbs and is 8% solid.

*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).
### AirPave vs Plastic Porous Grass Pavers

<table>
<thead>
<tr>
<th>Feature</th>
<th>AirPave</th>
<th>Tuff Track Grass Road</th>
<th>Geoblock</th>
<th>EcoRain</th>
<th>UrbanGreen</th>
<th>EZ Roll</th>
<th>Grassy Pavers</th>
<th>Eco Grid*</th>
<th>Geopave</th>
<th>Net pave 50</th>
<th>Grasspave2</th>
<th>Permaturf</th>
<th>Stabiligrd</th>
<th>Turf Cell</th>
<th>BodPave S5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Included Guaranteed Analysis Fertilizer</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Recycled Content</td>
<td>100%</td>
<td>50% HDPE</td>
<td>Up to 97%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%HDPE</td>
<td>97%HDPE</td>
<td>100%</td>
<td>100%</td>
<td>100% HDPE</td>
<td>100%</td>
<td>Non</td>
<td>Not Given</td>
<td>100% HDPE</td>
</tr>
<tr>
<td>Standard Size</td>
<td>32&quot; x 32&quot;</td>
<td>2' x 2' x 1.5&quot;</td>
<td>1.64' x 32&quot;</td>
<td>2'x 2&quot;</td>
<td>1.64' x 12&quot;</td>
<td>32&quot; x 32&quot;</td>
<td>4' x 10&quot; x 1&quot;</td>
<td>13.75&quot; x 13&quot;</td>
<td>13' x 13&quot; x 2&quot;</td>
<td>20' x 40&quot; x 2&quot;</td>
<td>40' x 40&quot; x 2&quot;</td>
<td>6.65' x 6.5' x 1&quot;</td>
<td>13&quot; x 13&quot; x 1.5&quot;</td>
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<td>10' x 19&quot; x 2&quot;</td>
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<tr>
<td>Weight (lbs per sq ft.)</td>
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<td>3.1</td>
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<td>2.4</td>
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<td>Black</td>
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<tr>
<td>Soil Coverage at Surface - approx.</td>
<td>100%</td>
<td>98%</td>
<td>87%</td>
<td>100%</td>
<td>100%</td>
<td>93%</td>
<td>Approx 90%</td>
<td>90.5</td>
<td>Not Given</td>
<td>100%</td>
<td>Not Given</td>
<td>Not Given</td>
<td>Not Given</td>
<td>Not Given</td>
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<tr>
<td>Roof Area at Base of Unit - approx.</td>
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<td>44%</td>
<td>41%</td>
<td>90-95%</td>
<td>92%</td>
<td>Not Available</td>
<td>46%</td>
<td>Not Available</td>
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<td>82%</td>
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<td>75%</td>
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<td>Cutting Tools for Installation</td>
<td>Pruning Shears</td>
<td>Handsaw</td>
<td>Handsaw</td>
<td>Handsaw</td>
<td>Saw</td>
<td>Pruning Shears</td>
<td>Hand Pruner</td>
<td>Hand Saw</td>
<td>Hand Saw</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Assembled in Rolls</td>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Labor Skill Level Needed</td>
<td>Semi/Low</td>
<td>SemiLow</td>
<td>SemiLow</td>
<td>SemiLow</td>
<td>SemiLow</td>
<td>SemiLow</td>
<td>SemiLow</td>
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<td>SemiLow</td>
<td>SemiLow</td>
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<td>SemiLow</td>
<td>SemiLow</td>
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<tr>
<td>Grass Installation Methods</td>
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<td>All</td>
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<td>Water Absorption (Freezing)</td>
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<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<td>None</td>
<td>None</td>
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<tr>
<td>Soil Absorption (Retention)</td>
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<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<td>None</td>
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<td>None</td>
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<tr>
<td>Estimated Install Time per 1000 sqft</td>
<td>3 hr Full System</td>
<td>4.5 hrs + 4.5 hrs + system No Data Given</td>
<td>3 hr Full System</td>
<td>No Data Given</td>
<td>4.5 hrs + 1 hour units only</td>
<td>No Data Given</td>
<td>No Data Given</td>
<td>3.1 hr Full System</td>
<td>2 Hours units Only</td>
<td>1 hour units Only</td>
<td>Not Given</td>
<td>Not Given</td>
<td></td>
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### AirPave vs Concrete Porous Grass Pavers

<table>
<thead>
<tr>
<th>Feature</th>
<th>AirPave</th>
<th>Checker Block</th>
<th>Grasscrete</th>
<th>Drivable Grass</th>
<th>Eco Grid*</th>
<th>Turfstone</th>
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<tbody>
<tr>
<td>Included Guaranteed Analysis Fertilizer</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>Turfstone</td>
</tr>
<tr>
<td>Recycled Content</td>
<td>100%</td>
<td>70%</td>
<td>Not Available</td>
<td>61%</td>
<td>39%</td>
<td>39%</td>
</tr>
<tr>
<td>Standard Size</td>
<td>32&quot; x 32&quot;</td>
<td>2' x 2' x 1.5&quot;</td>
<td>4&quot; x 6&quot;</td>
<td>2' x 2' x 1.5&quot;</td>
<td>23.6&quot; x 15.7&quot; x 4&quot;</td>
<td>3.13&quot;</td>
</tr>
<tr>
<td>Weight (lbs per sq ft.)</td>
<td>0.44</td>
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<td>Varies</td>
<td>29</td>
<td>23.7</td>
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<td>Standard Color</td>
<td>Black</td>
<td>Concrete</td>
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<td>Concrete</td>
<td>Concrete</td>
<td></td>
</tr>
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<td>Pavement Flexibility</td>
<td>Flexible</td>
<td>Rigid</td>
<td>Flexible</td>
<td>Rigid</td>
<td>Flexible</td>
<td></td>
</tr>
<tr>
<td>Soil Coverage at Surface - approx.</td>
<td>100%</td>
<td>70%</td>
<td>Not Available</td>
<td>61%</td>
<td>39%</td>
<td>39%</td>
</tr>
<tr>
<td>Root Area at Base of Unit - approx.</td>
<td>92%</td>
<td>35%</td>
<td>Approx 20%</td>
<td>39%</td>
<td>39%</td>
<td></td>
</tr>
<tr>
<td>Interlocking</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Assembled in Rolls</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Labor Skill Level Needed</td>
<td>Semi/Low</td>
<td>Skilled</td>
<td>Skilled</td>
<td>Skilled</td>
<td>Skilled</td>
<td></td>
</tr>
<tr>
<td>Grass Installation Methods</td>
<td>All</td>
<td>Seed</td>
<td>Seed</td>
<td>Seed</td>
<td>Seed</td>
<td></td>
</tr>
<tr>
<td>Water Absorption (Freezing)</td>
<td>None</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Soil Absorption (Retention)</td>
<td>None</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Heat Absorption Retention</td>
<td>None</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Moderate</td>
<td></td>
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<tr>
<td>Estimated Install Time per 1000 sqft</td>
<td>3 hr Full System</td>
<td>Not Available</td>
<td>Varies</td>
<td>Not Given</td>
<td>Not Given</td>
<td></td>
</tr>
</tbody>
</table>

All information deemed reliable but not guaranteed. As of 05/09/2012

AirPave by AirField Systems, Oklahoma City, OK USA

BodPave S5 by Bodddingtons, Maldon, Essex, UK

Geoblock by Presto Products/Alcoa, Appleton, WI, USA

Tuff Track/Grass Road Pavers8 and EZ Roll by NDS, Lindsay, CA

EcoRain by EcoRain Systems, Inc, Sherman Oaks, CA

Grassy Pavers by RK Manufacturing, Jackson, MI

Turfstone by Belgard Pavers/Old Castle, Atlanta, GA

EcoGrid* (Porous Pavers) by TerrFirma Enterprises, Location Not Published

Geopave by Presto Products/Alcoa, Appleton, WI

Net Pave 50 by Netlawn Turf Systems, Genk, Belgium

Permaturf by Permaturf Co., Inc, Bow, NH

Stabiligrd by Eco-Terr Distributing, Sammamish, WA

Tuff Cell by Atlantis Water Management, Chatswood, NSW, Australia

UrbanGreen manufactured by Airfield (see Airpave) distributed by Contech, Westchester, OH

Grasspave2 by Invisible Structures, Inc, Golden, CO, USA

Grass-Cell by Multi-Stream (Pte) Ltd., Singapore

Checker Block by Hastings Pavement Co. Inc., Freeport, NY

Grasscrete by Bomanite Corporation, Palo Alto, CA

Driveable Grass, Soil Retention Systems, Carlsbad, CA

EcoGrid* (Concrete Pavers) by Hanover Architectural Products, Hanover, PA
AirDrain – What drains better than Air?

For Natural Turf

It was concluded thru a research project conducted at Texas A&M University that irrigation needs can be reduced by using AirField Systems AirDrain. This five year research project was jointly funded by the United States Golf Association and AirField Systems and was a collaborative effort between Texas A&M University, AirField Systems and the United States Golf Association.

The data from the research showed that the AirField Systems drainage profile provided up to 3 more days of plant available water than a United States Golf Association recommended gravel and sand profile. Click here for more information about the study titled “A Comparison of Water Drainage and Storage in Putting Greens Built Using Airfield Systems and USGA Methods of Construction”.

The AirDrain System has a unique ability no other system has in that it can flush the profile quickly and efficiently anytime its needed. This practice is particularly common where salt laden irrigation water is used and in areas along the East Coast, Gulf Coast, California coast, and Desert Southwest. Click here to see an article from the USGA on the benefits of flushing the profile.

Benefits of an AirField System Design include:

- Up to 3 more days of plant available water stored in the root zone (depending on climate)
- Significantly reduces daily irrigation needs (as told to us by our customers)
- Healthier turf / stronger root system (as told to us by our customers)
- 100% Vertical Drainage under the entire playing surface
- AirDrain is a 100% recycled copolymer which has the impact modifier “metallocene” added to it for qualification as a “No Break” plastic, making it able to withstand extreme heat and cold and still maintain performance
- Helps eliminate standing water / simplifies maintenance (as told to us by our customers)
- Minimal site disturbance / far less excavation and disposal
- Several installation days are saved over a gravel installation
- Compact shipping which reduces overall storage and transportation costs
- AirDrain System sand profiles create its own almost perfect perched water table

*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). HIC & Gmax testing are measured in a lab setting and are not site specific.
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).
AirDrain – What drains better than Air?

For Synthetic Turf

The consistent Gmax and Shock Attenuation properties of the AirDrain system are major contributors to the safety of players and the reduction of concussions. Unlike traditional shock pads or e-layers, AirDrain is 1” high, has 92% air void and 100% vertical drainage. The AirDrain drainage capability cannot be matched by any other product in the industry. It's not even close!

AirDrain reduces Gmax by Approximately:

- 18.9% on a gravel subbase
- 14.7% on a concrete subbase

Some of the Benefits of an AirField Synthetic Turf Drainage System include:

- AirDrain creates and helps maintain a constant Gmax for life of the project
- ASTM testing proves AirDrain’s shock absorption properties reduces Gmax
- Only needs a .25% slope for effective drainage
- Patented expansion and contraction built into every part which keeps the grid from buckling
- AirDrain is only limited by the drainage capacities of the profile above and the exit drains below
- AirDrain can be reused multiple times when the synthetic turf must be replaced

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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).

*Specifications as per Geo-Technical Engineer.
AirDrain – What drains better than Air?

For Rubber-Free Synthetic Turf Solutions Using Non Rubber Infill

The consistent Gmax and Shock Attenuation properties of the AirDrain system are major contributors to the safety of players and the reduction of concussions. Unlike traditional shock pads or e-layers, AirDrain is 1” high, has 92% air void and 100% vertical drainage. AirDrain’s performance cannot be matched by any other product in the industry. The AirDrain system works on any type of prepared subbase (Compacted Aggregate, Concrete or Asphalt) or rooftop.

A Rubber-Free Synthetic Turf Solutions provided for Sports Fields, Play Areas and general purpose use reduces maintenance, upkeep and cleaning the surrounding area of rubber pieces that tend to find their way off the field.

Some of the Benefits of an AirField Synthetic Turf Drainage System include:

- AirDrain creates and helps maintain a constant Gmax for life of the project
- ASTM testing proves AirDrain’s shock absorption properties reduces Gmax
- AirDrain creates a 1” air void allowing for 100% vertical drainage over the whole installation
- Patented expansion and contraction built into every part which keeps the grid from buckling
- AirDrain is only limited by the drainage capacities of the profile above and the exit drains below
- AirDrain can be reused multiple times when the synthetic turf must be replaced

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Synthetic Turf Detail

Synthetic Grass Surface

Geotextile Filter Fabric (optional)

AirDrain™

Geotextile Filter Fabric (optional if installed on concrete or asphalt)

Compacted Aggregate Base, Concrete or Asphalt

Perimeter nailer board attached to concrete with Tapcon screws or Ramset nails

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)
AirDrain – What drains better than Air?

Green Roofing - Synthetic Turf

With limited space on campus, both high schools and colleges are turning to rooftop sports surfaces to create multi-use green areas. Building a rooftop sports field with an AirField System provides drainage under 100% of the playing surface, prevents ponding, and moves water efficiently for reuse elsewhere on campus.

Over 3,000,000 square feet and counting of AirDrain rooftop drainage system has been installed.

LACC “LA Community College” 95,000 sqft., MSOE “Milwaukee School of Engineering” 100,000 sqft., UCSD “University of California in San Diego” 80,000 sqft., WPI “Worcester Polytechnics Institute” 174,000 sqft. and Binghamton High School 47,000 sqft.

Benefits of AirDrain in a green roofing system include:

- AirDrain creates and helps maintain a more consistent Gmax for Synthetic Turf
- ASTM testing proves AirDrain’s shock absorption properties reduces Gmax
- AirDrain can be reused when the Synthetic Turf must be replaced
- Can help qualify for LEED™ and other green building credits
- Pallets can be taken up to the roof in an elevator (32"x32"x48" and 392lbs.)
- Water harvesting reclamation and reuse is easy
- AirDrain creates a 1” air barrier on the rooftop which increases the insulating properties.
- AirDrain is a 100% recycled copolymer which has the impact modifier “metallocene” added to it for qualification as a “No Break” plastic, making it able to withstand extreme heat and cold and still maintain performance

AirDrain FR passed the ASTM E108-17 Standard Test Methods for Fire Tests of Roof Coverings, Class A Spread of Flame Testing

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Synthetic Turf Rooftop

Now Available "AirDrain FR" E-108 Class A Rated
ZERO SPREAD of FLAME

AirDrain™ Unit Panel Specifications:
- Size: 32" x 32" x 1"
- Weight: 3.1 lb
- Strength: 233 psi (unfilled)
  6747 psi (filled)
- Resin: 100% Recycled (PIR)
  Copolymer with Impact Modifier
  "No Break" Polymer Material
- Color: Black
  (3% carbon black added for UV Protection)

Perimeter nailer board attached to rooftop and weather proofed

Synthetic Grass Surface

Geotextile Filter Fabric (4oz)

Geotextile Filter Fabric (10oz)

Weather Proofed Rooftop

Airfield Systems
8028 N. May Ave., Suite 201
Oklahoma City, OK 73120
(405) 359-3775
www.airfieldsystems.com
AirDrain – What drains better than Air?

Green Roofing - Natural Turf

With limited space in urban areas businesses, schools and government buildings are turning to rooftop surfaces to create multi-use green areas. When building a rooftop green space, the AirField System provides drainage under 100% of the surface. An AirField Drainage System will prevent ponding and quickly remove excess water even during torrential rain.

Over 3,000,000 square feet of AirDrain rooftop drainage system installed and counting.

Natural Turf- Chesapeake Energy 74,000 sqft., Chesapeake Building 14 Rooftop Garden 4,000 sqft., Chesapeake Building 14 Courtyard 9,400 sqft.

Benefits of AirDrain in a green roofing system include:

- Up to 3 more days of plant available water stored in the root zone (depending on climate)
- Significantly reduces daily irrigation needs (as told to us by our customers)
- Healthier turf / stronger root system (as told to us by our customers)
- Can help qualify for LEED™ and other green building credits
- Pallets can be taken up to the roof in an elevator (32''x32''x48'' and 392lbs)
- Reduces Heat Island Effect and makes water harvesting, reclamation and reuse is easy
- AirDrain creates a one inch air barrier on the rooftop increasing the insulating properties. (R-Value)
- AirDrain is a 100% recycled copolymer which has the impact modifier “metallocene” added to it for qualification as a “No Break” plastic, making it able to withstand extreme heat and cold and still maintain performance

AirDrain FR passed the ASTM E108-17 Standard Test Methods for Fire Tests of Roof Coverings, Class A Spread of Flame Testing

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Now Available "AirDrain FR" E-108 Class A Rated
ZERO SPREAD of FLAME

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Playground Drainage for Synthetic Turf

Not all drainage is created equal! AirDrain offers 100% vertical drainage and has 92% air void. This combination effectively collects and redirects water easily. Additionally, AirDrain raises the entire profile a full 1”, letting gravity drain the entire playground quickly and efficiently. The combined effect of AirDrain is a more stable surface area, reduced expenses for repairs and more play time.

A drainage system should allow for water to quickly drain away from the surface and be directed to exit drains, thus allowing a shorter turnaround time for the continuation of play. AirDrain provides drainage which is unmatched in the industry. AirDrain is only limited by the drainage capacity of the profile above and the capacity of the exit drains.

For playgrounds constructed with AirDrain the grid is installed on top of a 1.125" or 2.125" poly green foam pad which is placed directly onto the properly prepared subbase of concrete, asphalt or compacted aggregate. This creates a 1” air void and allows for maximum drainage.

Benefits of an AirDrain playground drainage system include:

- AirDrain raises the entire profile 1” off the subbase and brings gravity into play
- AirDrain’s 92% air-void space allows for fast and easy water removal
- Consistent HIC and Gmax for the life of the AirDrain provides a safe play area
- AirDrain is a 100% recycled copolymer which has the impact modifier “metallocene” added to it for qualification as a “No Break” plastic, making it able to withstand extreme heat and cold and still maintain performance
- AirDrain’s quick snap connectors allows for effortless installation
- Minimal site disturbance, excavation and disposal
- Compact shipping reduces transportation costs

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AirDrain Application with Pad Below AirDrain

- Synthetic Grass Surface
- 4.0 oz Geotextile Filter Fabric
- AirDrain™
- 2.125" or 1.125" Polygreen Foam
- Playground Pad
- Geotextile Fabric (recommended if not included on pad)
- Concrete, Asphalt or Aggregate base as specified by project engineer
- Perimeter nailer board attached to base with typical screws or nails

**AirDrain™ Unit Panel Specifications:**

- **Size:** 32" x 32" x 1"
- **Weight:** 3.1 lb
- **Volume:** 8% material, 92% air void
- **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)

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AirDrain – What drains better than Air?

For K9 Areas: Pet Playgrounds, Dog Runs, Kennels and More.....

AirDrain is a 15+ year proven success! With over 500+ K9 areas installed, AirDrain K9 Drainage by AirField 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
- Greatly reducing transportation costs going straight to the bottom line! No other product comes close to shipping as effeciently!

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Pet Areas and Dog Runs

Synthetic Grass Surface

Perimeter nailer board attached to Subbase

Subbase
Concrete, Asphalt, Sealed
Rooftop or Compacted Aggregate

AirDrain™

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)

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AirDrain – What drains better than Air?

For Golf- Greens, Bunkers, Tee Boxes and Fairways

It was concluded through a research project conducted at Texas A&M University that irrigation needs can be reduced by using AirField Systems AirDrain. This five year research project was jointly funded by the United States Golf Association and AirField Systems and was a collaborative effort between Texas A&M University, AirField Systems and the United States Golf Association.

The data from the research showed that the AirField Systems drainage profile provided up to 3 more days of plant available water than a United States Golf Association recommended gravel and sand profile. Click here for more information about the study titled “A Comparison of Water Drainage and Storage in Putting Greens Built Using Airfield Systems and USGA Methods of Construction”.

Benefits of an AirField System Design include:

- Up to 3 more days of plant available water stored in the root zone (depending on climate)
- Significantly reduces daily irrigation needs (as told to us by our customers)
- Healthier turf / Stronger root system (as told to us by our customers)
- 100% Vertical Drainage under the entire playing surface
- AirDrain is a 100% recycled copolymer which has the impact modifier “metallocene” added to it for qualification as a “No Break” plastic, making it able to withstand extreme heat and cold and still maintain performance
- Helps eliminate standing water / Simplifies maintenance (as told to us by our customers)
- Minimal site disturbance / Far less excavation and disposal
- Several Installation days are saved over a gravel installation
- Compact shipping that reduces overall storage and transportation costs

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AirDrain™ Natural Edge Typical Detail
Permeable Natural Turf
AirDrain Bunker Drainage System

Before you build or renovate a bunker, READ BELOW! Don't throw your hard-earned money away, choose the easiest and best draining bunker install there is by far!

Here is the ASTM D4716 Flow Rate per Unit Width and Hydraulic Transmissivity Testing for actual drainage capacity, at an .005% slope. The AirDrain will actually drain 2 inches per minute. No other product comes close! [http://bit.ly/2cQUREL]

Cost value performance and ease of install it's not even close!

AirDrain Bunkers and Sand Traps are:

- Simple Fast and Easy to Install using existing employees to install at your own pace.
- NO NEED TO REWORK YOUR CLOGGED HERRINGBONE DRAINAGE SYSTEM. Install over the top!
- AirDrain replaces the traditional herringbone drainage system! With AirDrain only the exit drain(s) are necessary.
- The entire bunker floor acts as a drain using gravity to pull the water through the profile. FINES SHOULD NEVER CLOG THE SYSTEM!
- Superior Bunker Drainage with our 1” high 92% air void allowing water to move without obstruction to the exit drain(s).
- Long lasting drainage solution. The AirDrain grid itself will retain its performance for 50+ years under a profile.
- Minimal site disturbance with far less excavation and disposal for new bunker construction.

No other product can or does out drain or outlast the AirDrain Bunker System. Pick the worst bunker on your course install our bunker, and then call back in 3 months and order enough for the rest of your bunkers!
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