

AWD AMERICAN WICK DRAIN CORPORATION

America's Largest Producer of Foundation and Landscape Drains



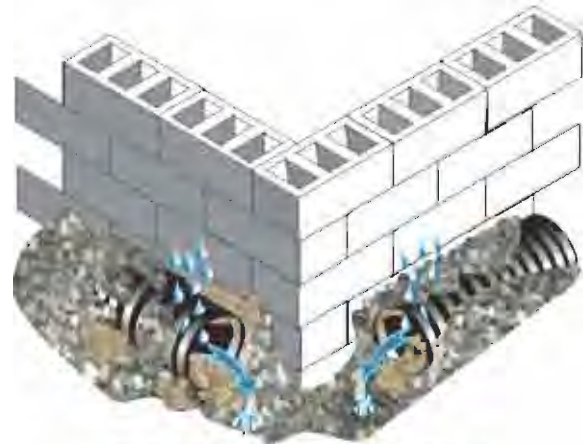
INNOVATIVE, COST EFFECTIVE

The Problem:

Pipe & Stone Soil Drainage

The most important characteristic of any sub-surface drainage system is its ability to collect water from the surrounding soil. The water has to be collected before it can be drained away. Since historic times, civil engineers have used crushed stone or a combination of stone and pipe for soil drainage. Although this method provides satisfactory results, it has some major limitations when compared to prefabricated systems.

- **Limited Collection Capacity** - Pipe has small slits to admit water - approximately 3% open surface area
- **High Material Costs** - Stone has to be transported to the jobsite
- **Zero Waterproofing Protection** - Sharp stones can puncture waterproofing
- **Labor Intensive** - Highly dependent on skillful installation



Pipe & Stone Drainage Systems



How the Geocomposite Soil Drainage System works

The Solution:

American Wick Drain Geocomposite Soil Drainage System

How it Works -

1. The non-woven filter fabric replaces the stone's function of water collection and allows water to pass freely. Designed with total fabric coverage, our products offer 80% open surface area for water collection.
 2. The formed plastic core replaces the perforated pipe, transporting the collected water to designated exits.
- **Excellent Collection Capacity** - Approximately 80% open surface area
 - **Cost Effective** - No transportation costs in hauling materials to the jobsite
 - **Excellent Waterproofing Protection** - Prevents Punctures during backfill
 - **Easy to Handle and Install** - No slope/pitch required

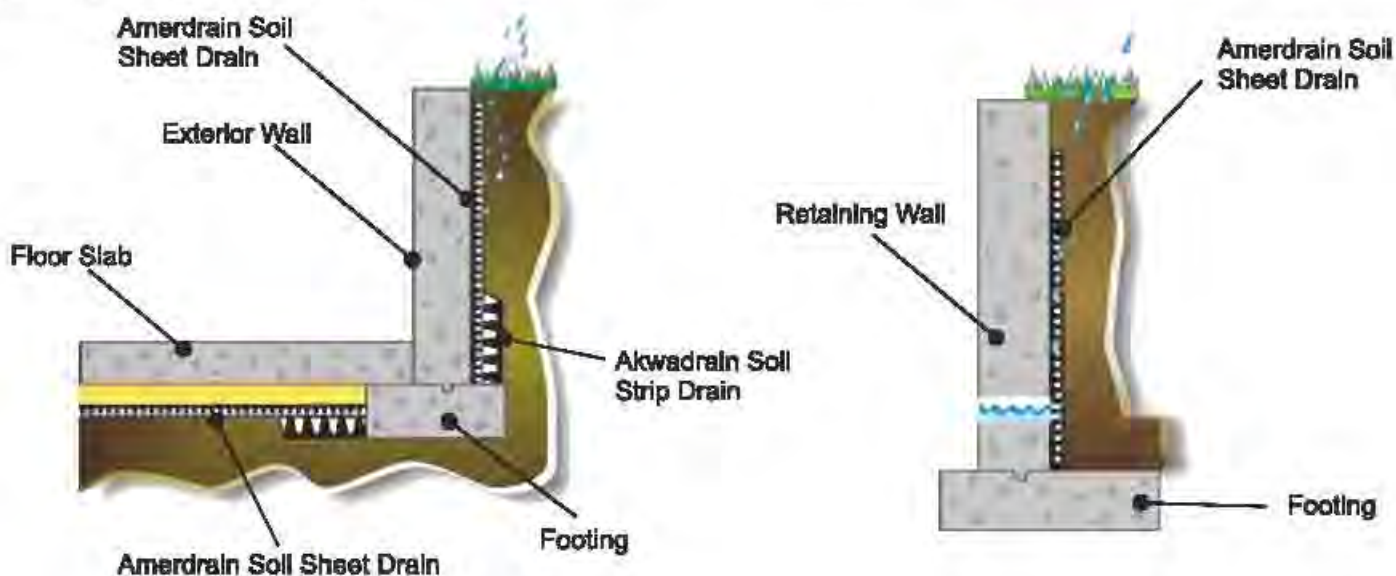


SOIL DRAINAGE SYSTEMS

AMERDRAIN Soil Sheet Drain Product Applications

Foundation, Landscape and Drainage Solutions

Amerdrain Soil Sheet Drain is designed for use on all exterior foundation walls, retaining walls and also under floor slabs. Water build up at any point on a structure creates excess pressure that can cause leakage or structural damage. Providing a continuous channel for water along the structure eliminates these risks. The design of our products allows more water to be collected and transported than pipe and/or stone. They require less space to install, resulting in reduced labor and site disturbance. The added protection to waterproofing materials during backfill make prefabricated drains an even better choice.



AKWADRAIN Soil Strip Drain Product Applications

Foundation, Landscape and Driveway Perimeter Drainage Solutions

Akwadrain Soil Strip Drain is ideal for perimeter drainage around foundation walls/floor slabs, patios, driveways and gazebos. It also makes an excellent French Drain and is effective in eliminating the problem of standing water in low lying areas of residential yards. Akwadrain Soil Strip Drain is approved as an alternative to pipe & stone (ESR-1107).





SOIL DRAINAGE SYSTEMS

AMERDRAIN[®] SHEET DRAIN

Product Description:

A two-part, prefabricated soil sheet drain consisting of a formed polymeric core covered with non-woven polypropylene filter fabric on the dimple side of the core.

Product Application:

Amerdrain Soil Strip Drain is designed for use on all exterior foundation walls, retaining walls and under floor slabs. This product is used in applications up to 20 feet deep and replaces pipe, stone and protection board.



Amerdrain Sheet Drain
50/100/200

AKWADRAIN[™] STRIP DRAIN

Product Description:

A two-part prefabricated soil strip drain consisting of a formed polymeric core covered on all sides with a non-woven polypropylene filter fabric.

Product Application:

Akwadrain Soil Strip Drain is designed as a replacement for any application that uses pipe and stone. Common applications include perimeter drainage around floor slabs, patios, driveways, and gazebos. It is an excellent replacement for french drain and /or trench drains eliminating the problem of standing water in low lying areas.



Akwadrain Strip Drain
6" & 12"

Physical Properties Chart				
	Amerdrain 50	Amerdrain 100	Amerdrain 200	Akwadrain 6" & 12"
Flow Rate (gpm/ft)	9	9	9	21
Compression (lbs/ft ²)	5,100	5,100	10,800	6,000
Roll Size (ft.)	4' x 50'	4' x 50'	4' x 50'	150'
Roll Weight (lbs.)	20	24	29	24 / 48
Fabric	Lightweight non-woven	Standard non-woven	Standard non-woven	Standard non-woven

AKWADRAIN Strip Drain Fittings



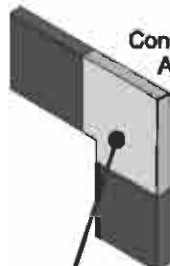
End Pipe Outlets

Takes collected water to 4" pipe for 6" or 12" drain.



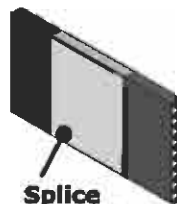
Tee Pipe Outlets

Takes collected water to 4" pipe for 6" & 12" drain.



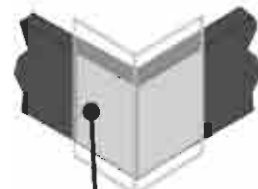
Step Downs

Takes drain down stepped footers for 6" or 12" drain.



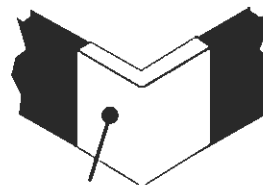
Splice

Connects two sections of drain. Available for 6" drain only



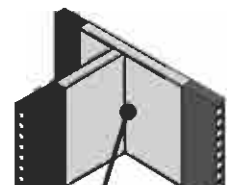
Corner Guard

Maintains flow around inside or outside corners for 6" or 12" drain.



Corner Fitting

Maintains flow around inside or outside corners. Available for 6" only.



Tee Fitting

Connects three sections of drain together for 6" or 12" drain.



TO MEET YOUR CUSTOMERS' NEEDS



Playground application using Amerdrain Sheet Drain



Landscape Application using Akwadrain™ Strip Drain



Foundation Footing using Akwadrain™ Strip Drain



Foundation Wall using Amerdrain Sheet Drain

AMERICAN WICK DRAIN Soil Drainage System Products Deliver:

- Lower Installed Cost
- Reduced Drainage Space
- Strength and Durability
- Simple Inspection
- High Flow Capacity
- Enhanced Waterproofing Protection
- Easier Handling and Installation

INSTALLATION & PRODUCT SUPPORT

INSTALLATION

For foundations, retaining walls and other below ground applications, AMERDRAIN sheet drain is installed on top of the waterproofing material. The flat side of the drain provides protection for the waterproofing material. The sheet drain is attached with commercially-available construction adhesives. The core material is overlapped to provide a continuous drainage layer. Extra filter fabric is provided on the edges for overlapping with the next sheet. AMERDRAIN sheet drain is easily cut with construction knives or scissors.

For applications without waterproofing, the drain may be installed with adhesive or nails. Complete installation instructions are available.

TECHNICAL SUPPORT

Complete technical assistance is available from American Wick Drain Corporation and its distributors during the design and specification stages. Field representatives are available to assist the end-user to insure proper installation. Detailed application sheets and design drawings are available.

OUR WARRANTY

American Wick Drain Corporation (AWD) warrants its products to be free from defects in materials and workmanship under AWD's standard warranty, a copy of which is available upon request.

To the best of our knowledge, the information contained in this literature was accurate when compiled. However, AWD cannot assume any liability whatsoever for the accuracy or completeness. Final determination of the suitability of any information or product for the use contemplated and whether the use infringes any patents is the sole responsibility of the user.

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