



Arroyo™ Drain Board

Sheet Molded Drainage

Product Information Sheet

Poly Wall® Building Solutions is an innovator of high-quality, cost-effective, engineered building materials. We stand behind our brand promise — **Moisture and Air Stop Here®**. Visit our website at www.poly-wall.com for the full array of products.

DESCRIPTION

Poly Wall® Arroyo™ Drain Board is a sheet molded drain that establishes predetermined pathways for below-grade water management. The factory applied fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows the water to flow to designated drainage exits. Arroyo Drain Board Sheet Molded Drainage are suitable as a drainage plane and protection layer for Poly Wall post-applied waterproofing membranes and liquids.

USES

- Below-grade relief of hydrostatic pressure over foundation walls, when connected to a passive gravity drain or operational sump.
- Drainboard serves as a protection board layer for an installed waterproofing membrane and liquids during backfill.
- Use with Arroyo Outlet Channel and accessory outlets for a high capacity collector and outlet drainage system.
- Use with perforated pipe outlet drainage systems.

ADVANTAGES

- Protects primary waterproofing barrier from damage during backfilling operations.
- Lightweight and easy to install.
- Compressive Strength: 11,000 psf.
- Compliments waterproofing system by removing water from structure.

WHY USE POLY WALL® ARROYO DRAIN BOARD?

- 60 years of successful waterproofing experience.
- In the construction process there is really only one economical opportunity to properly waterproof the structure. Dry buildings are better buildings.
- Poly Wall is an employee owned company, where employees expect more of themselves and the company.
- Made in the USA.
- See more online, visit us at www.poly-wall.com.



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LIMITED WARRANTY: Poly Wall Building Solutions will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of 1 year from date of purchase. Poly Wall Building Solutions will not be liable for any other claims or damages, whether direct or indirect, including consequential damages or incidental damages.

Arroyo™ Drain Board Packaging

DRAINAGE & ACCESSORIES	ROLLS/BX	UNIT SIZE
Arroyo Drain Board	1	48" X 50' roll
Polybond Clear Liquid Adhesive	1	5 gallon pail
Polybond Clear Liquid Adhesive	4	4 - 1 gallon pails/ctn
Arroyo Outlet Channel	1	24" X 50' roll
Arroyo Outlet Channel End Outlet (4")	1	End=5" x 5" x 9"
Arroyo Channel Tee Outlet (4")	1	T=7-1/2 x 6-1/4 x 6-3/4"
Shur-Tac Water Based Adhesive	4	4 - 1 gallon pails/ctn
Shur-Tac Water Based Adhesive	1	5 gallon pail



Arroyo End Outlet Channel



Arroyo Tee Channel Outlet

Arroyo™ Drain Board Properties

Property	Test Method	Typical Value
DRAIN PROPERTIES		
Flow Capacity	D 4716	18 gpm/ft of width
Roll Length	-	50 ft.
Roll Width	-	4 ft.
Roll Weight	-	38 lbs.
CORE PROPERTIES		
Material	-	Polypropylene
Thickness	D 1777	0.40 inch
Compressive Strength (+ OR -5%)	D 1621 Modified	11,000 lbs/ft ²
FABRIC PROPERTIES		
Material		Polypropylene
Grab Tensile Strength	D 4632	100 lbs.
Puncture Strength	D 6241	250 lbs.
EOS (AOS)	D 4751	70 US Sieve
Flow Rate	D 4491	140 gpm/ft ²

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INSTALLATION GUIDELINES FOR POLY WALL® ARROYO™ DRAIN BOARD

The installation guidelines provided below are not intended to be full and complete application instructions.

For full application directions scan here



VERTICAL INSTALLATION

Place Arroyo Drain Board over sheet or fluid waterproofing; place the drainage so the fabric side will interface with the back-fill material.

- Shingle the drainage, one higher sheet over another;
- Shingle the fabric, one fabric over another;
- Tape relief cuts, made during shaping of an outside corner, with duct tape.
- Top termination tape or glue to wall or back side of core to prevent infiltration of backfill.

Fastening / Holding in Position

- Hold the drainage in place over membrane or liquid waterproofing by spot-applying an adhesive / sealant / glue to the installed waterproofing substrate.

Tie-in to Outlet Drainage System

- Connect the bottom portion of the Arroyo Drainage Board to the upper portion of the 24-inch Arroyo Outlet Channel.
- Attach Tee and End Outlet fittings to your hard pipe drainage system.

Back-Filling

- Back-fill or aggregate in a non-destructive manner. Compact in maximum 12" lifts.
- For back-filling over drainage glued to a sheet or fluid waterproofing membrane, take care to keep the material on the soil side of the drainage; prevent backfill material from being deposited between the drainage and waterproofing membrane.
- Shape the final grade to drain surface water away from structure.