

POLYFLOW[®] 18

Sheet Molded Drainage

Product Data Sheet

PRODUCT NAME

Polyflow[®] 18

MANUFACTURER

Polyguard Products, Inc.
Ennis, TX 75119
(214) 515-5000
www.polyguard.com

PRODUCT DESCRIPTION

Polyflow[®] 18 Drainage Mat is two-part, prefabricated geocomposite drain consisting of a formed impermeable polymeric core covered on one side with woven filter fabric. The 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. Polyflow 18 is designed for horizontal applications.

Polyflow 18 Drainage Mat is suitable as a protection layer for Polyguard waterproofing membranes but cannot be used for extended exposure to UV light.

BASIC USES

Basic post-applied drainage and protection course uses include the following:

- Split-slab;
- Foot-pavers;
- Planter boxes;
- Plaza decks;
- Horizontal slabs and;
- Ramps

Basic pre-applied drainage, protection course, and venting uses include the following:

- Under slabs and;
- In passive venting systems.

TECHNICAL DATA

See physical properties table.

HORIZONTAL INSTALLATION

Clean horizontal surface of loose debris and unroll Polyflow[®] 18 fabric side up.

For horizontal deck installation, Polyflow 18 may be loosely laid directly over the waterproofing membrane. Edges of the core with the flange should be at higher side of the deck or plaza, away from any drains.

Attach Polyflow 18 to horizontal substrate surface, to be

drained, with an adhesive compatible with waterproofing membrane substrate, or use temporary ballast to hold drain in place during the placement of the deck surface.

For overlaps, place adjacent panels so the core flange overlaps and shingles in the direction of flow to the drain collection system, scuppers, or daylight.

Butt adjacent panels together and shingle the woven fabric, one fabric over another.

For an underslab installation condition, Polyflow[®] 18 fabric side should be down or towards the soil.

RECOMMENDED ADHESIVES

650 LT Liquid Adhesive, California Sealant, Quick Grip Adhesive, or low-rise spray adhesive.

NOTE ON ISO 9000

Polyguard drainage mats are not covered by Polyguard's ISO 9001 quality system registration.

SAFETY

SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at 214.515.5000 with questions.

WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact Polyguard Products, Inc. for further details.

TECHNICAL SERVICES

Technical assistance, information and Polyguard's products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.
P.O. Box 755, Ennis, TX 75120-0755
Sales: (615) 217-6061 • Tech Support: (214) 515-5000
Email: archtech@polyguard.com
Website: www.polyguard.com

PROPERTY	TEST METHOD	TYPICAL VALUE
<u>DRAIN PROPERTIES</u>		
FLOW CAPACITY	D 4716	23 g/min/ft
ROLL LENGTH	-	50 ft.
ROLL WIDTH	-	4 ft.
ROLL WEIGHT	-	50 lbs.
<u>CORE PROPERTIES</u>		
MATERIAL	-	Polymeric
THICKNESS	D 1777	0.40 inch
COMPRESSIVE STRENGTH	D 1621 Modified	21,000 lbs/ft ²
POLYMERIC FILM LAYER	-	No
<u>FABRIC PROPERTIES</u>		
MATERIAL	-	Polymeric
GRAB TENSILE STRENGTH	D 4632	370 x 250 lbs.
CBR PUNCTURE STRENGTH	D 6241	850 lbs.
EOS (AOS)	D 4751	40 US Sieve
FLOW RATE	D 4491	60 g/min/ft ²

PACKAGING DRAINAGE & ACCESSORIES	PART NUMBER	UNIT SIZE
POLYFLOW® 18	POLYFLOW18	4' x 50' roll
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 5 GA	5 gallon pail
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 1 GA	4 - 1 gallon pails/ctn
CALIFORNIA SEALANT	CALSEAL5	5 gallon pail
QUICK GRIP ADHESIVE	QGADH30	30# canister