

# DRAINAGE MATS

## Flow 10-P

### Soil Drainage Mat with Built-In Protection Layer

**POLYGUARD FLOW 10-P DRAINAGE MAT** is a three-part prefabricated geocomposite drain consisting of a formed polystyrene core covered on one side with polypropylene 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. **POLYGUARD FLOW 10-P** is designed primarily for vertical installations at shallower depths where moderate compressive strength and flow capacity are adequate.

**POLYGUARD FLOW 10-P DRAINAGE MAT** also has a built-in film protection layer. Use of a protection board is not necessary on most applications as the polymeric film layer protects softer waterproofing materials such as **POLYGUARD 650** waterproofing membrane.

TYPICAL PROPERTIES	TEST METHOD	10-P
<b>FABRIC PROPERTIES:</b>		
Material		Polypropylene
Grab Tensile Strength, lbs	ASTM D4632	110
Puncture Strength	ASTM D4833	65psi
EOS (AOS)	ASTM D4751	100
Flow Rate, gpm/ft	ASTM D4491	150
<b>CORE PROPERTIES:</b>		
Material		Polystyrene
Thickness, inch		.25
Compressive Strength, lbs/ft <sup>2</sup>	ASTM D1621 (Mod.)	10,800
<b>DRAIN PROPERTIES:</b>		
Flow Capacity, gpm/ft of width	ASTM D4716	9
Roll Length, feet		50
Roll Width, feet		4
Roll Weight, lbs		40

#### VERTICAL INSTALLATION (Primarily FLOW 15-P)

1. Measure wall height or lift, adding sufficient material for overlapping pipe detail. Unroll **FLOW 10-P** and cut to length.
2. Peel back fabric from drainage core and remove 4" of core. (*Drain core should remain 6-12 inches below backfill.*)
3. At top termination glue fabric to wall or tuck fabric under core when using a furring strip. (*Furring strip can be removed after backfilling.*)
4. Glue adjacent panels at the vertical joints, making sure that fabric overlaps to prevent soil intrusion when backfilling.

This Information is based on our best knowledge, but POLYGUARD cannot guarantee the results to be obtained.

POLYGUARD PRODUCTS, INC • ENNIS, TEXAS 75120-0755

PH: 214-515-5000 • 800-541-4994 • FAX: 972-875-9425

Web Site: [www.polyguardproducts.com](http://www.polyguardproducts.com)



Polyguard has been ISO 9000 certified since 1996. Current certifications are:  
- American National Standards Institute  
- Dutch Council for Certification  
- Deutscher Akkreditierungs Rat

5. At drain tile, peel back fabric from drainage core and wrap around drain tile. Tuck excess fabric under core, making sure inner core has direct contact with drain tile.

6. Backfill as soon as possible.

**NOTE:**All core joints must be covered by fabric overlay. Protect waterproofing with approved protection system.

***RECOMMENDED ADHESIVES***

Polyguard 650 LT Liquid Adhesive, Maxbond Construction Adhesive, H B Fuller Co Plionail, Goodyear Liquid Nails, Miracle 297, 294, and Gibson-Homans Shur-Stick 94.

***NOTE ON ISO 9000***

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