

DRAINAGE MATS

Flow 30-H

Soil Drainage Mat with Built-In Protection Layer

POLYGUARD FLOW 30-H DRAINAGE MAT is a three-part prefabricated soil sheet drain consisting of a formed polystyrene core covered with a non-woven, needle punched polypropylene filter fabric on the dimple side of the core. 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 30 H** is designed primarily for horizontal applications at depths where higher compressive strength is needed.

POLYGUARD FLOW 30-H 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	30-H
FABRIC PROPERTIES:		
Material		Polypropylene
Grab Tensile Strength, lbs	ASTM D4632	110
Puncture Strength	ASTM D4833	65 psi
EOS (AOS)	ASTM D4751	100
Flow Rate, gpm/ft	ASTM D4491	150
CORE PROPERTIES:		
Material		Polystyrene
Thickness, inch		.25
Compressive Strength, lbs/ft ²	ASTM D1621 (Mod.)	30,000
DRAIN PROPERTIES:		
Flow Capacity, gpm/ft of width	ASTM D4716	9
Roll Length, feet		50
Roll Width, feet		4
Roll Weight, lbs		32

HORIZONTAL INSTALLATION

1. Clean horizontal surface of loose debris and unroll **FLOW 30-H** fabric side up in the direction of maximum slope.
2. Attach **FLOW 30-H** to the surface with double-sided tape or adhesive that is compatible with waterproofing membranes.
3. For overlaps, place adjacent panels so that the cores abut.



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

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4. Secure the fabric overlap at five foot intervals with glue or tape.
5. Join roll ends by peeling back fabric and removing 4" of core.
6. Place end panels so that cores abut, then glue or tape fabric overlap.

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.