

Hydrotech® ThermaFlo Insulation

formerly known as ThermaFlo Insulation



BUILDING TRUST



GENERAL DESCRIPTION

ThermaFlo is an insulating drainage panel composed of Styrofoam extruded polystyrene insulation with closely spaced channels routed into one side of the panel in two directions to provide 4-way drainage. The edges of the panels are routed in a tongue and groove to allow each panel to be interlocked to the next. A polymeric filtration fabric then covers the channeled side of the foam to prevent soil accumulation in the drainage channels. When applied, the filtration fabric overlaps the drainage core on one side.



BASIC USE

ThermaFlo is ideal anywhere subsurface drainage, insulation, and protection for a waterproofing membrane is required. Typical applications include foundation walls, planters.

LIMITATIONS

- Hydroguard is designed to accept light foot traffic. Walkway pads or concrete pavers must be provided where continuous or excessive foot traffic is anticipated.
- Hydroguard is intended for Range 1 securement installations only.
- Hydroguard should be shielded from direct sunlight when stored outdoors for extended periods of time.

ADVANTAGES

- Reduces hydrostatic pressure on below-grade structures.
- High compressive strength withstands pressure imposed by overburden while maintaining high drainage rates.
- Materials are resistant to all known naturally occurring earth salts and minerals.

PRODUCT INFORMATION

- Board Size - 24" x 96"
- Board Thickness - 2"

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS		
		TYPE 750	TYPE 1250	TYPE 1750
R-VALUE	ASTM C518	9.4	9.4	9.4
COMPRESSIVE STRENGTH (psi/psf)	ASTM D1621	25/3600	40/5670	60/8640
FLOW RATE (@500lbs/sf load)	ASTM D4716	9.5 gpm/ft	12 gpm/ft	12 gpm/ft
WATER ABSORPTION (% by volume, max.)	ASTM D2842	0.3	0.3	0.3
PERMEABILITY (perm)	ASTM E96	1.5	1.0	0.8

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	20 (pi)	
Manufacture Location	Contact Hydrotech for project specific information	
Extraction/Harvesting Location	Contact Hydrotech for project specific information	

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