

# 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.

## 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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