

# Hydrotech® Hydroguard

formerly known as Hydroguard



BUILDING TRUST

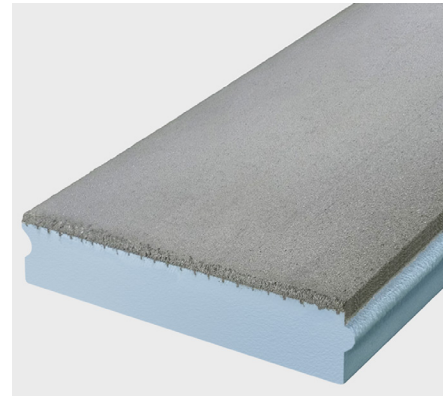


## GENERAL DESCRIPTION

Hydroguard consists of extruded polystyrene foam insulation topped with a 3/8 in. or 15/16 in. latex modified concrete. Hydroguard is manufactured in 2 ft. X 4 ft. panels that weigh 4.5 lb./sq.ft. (standard) or 11.0 lb./sq.ft. (heavy) and has tongue and groove edges along the long sides of the panels.

## BASIC USE

Hydroguard is ideally suited to provide both insulation and lightweight ballasting to a roof system. Hydroguard, installed above the roof membrane (IRMA/PMR), also provides protection to the membrane from mechanical abuse and environmental extremes. Hydroguard must be installed in strict accordance with Hydrotech's installation guidelines.



## 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.

## TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
THICKNESS (in.) foam		2 or 3
THICKNESS (in.) concrete topping		3/8 std.; 15/16 heavy
THERMAL RESISTANCE (R/in.)	ASTM D751-66	5.0 @ 75°F 5.4 @ 40°F
WATER ABSORPTION (% by volume, max.)	ASTM C272	0.3
WATER VAPOR PERMEANCE (perm, max.)	ASTM E96	0.8
COMPRESSIVE STRENGTH (foam, lb./sq.in.)	ASTM D1621-79	40
POINT LOADING (1 in. x 1 in., lb./sq.in.)		450

## LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	2.2 (pi)	
Manufacture Location		Hamilton, OH
Extraction/Harvesting Location		Contact American Hydrotech for info
VOC Content (g/L)		0

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