

# Hydrotech® Permavoid® 85-S

formerly known as Permavoid® 85-S



BUILDING TRUST



## GENERAL DESCRIPTION

Permavoid 85-S provides a lightweight structural foundation with 95% void space and 85mm height. Units are formed by polymer columns reinforced with arched webbing surrounded by a robust exoskeletal matrix. This creates a platform onto which any number of Garden Roof® and Ultimate Assembly® components can be installed. Permavoid is supplied to American Hydrotech under an exclusive agreement with ABT Inc.

## BASIC USE

Permavoid is used in Hydrotech's Blue Roof Assemblies to detain water for a specified amount of time.

## INSTALLATION

- Blue Roofs require specific design and engineering considerations related to drainage, ballasting and buoyancy. Contact Hydrotech for further information.
- Refer to Hydrotech's GS series Blue Roof Details for specific installation requirements.



## TECHNICAL DATA

DIMENSIONS:	27.88 inches (708mm) x 27.88 inches (708mm) x 3.35 inches (85mm)
MATERIAL:	Polypropylene
WEIGHT:	6.49 lbs. per unit (empty)
COMPRESSIVE YIELD STRENGTH (VERTICAL):	103.7 psi (715 kPa)
COMPRESSIVE YIELD STRENGTH (LATERAL):	22.6 psi (156 kPa)
DEFLECTION STRENGTH (VERTICAL):	58.0 psi (400 kPa)
DEFLECTION STRENGTH (LATERAL):	6.9 psi (48 kPa)
CONNECTIONS PER Unit:	8 dovetail connection points per unit

## LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	100%	
Manufacture Location		Troutman, NC
Extraction/Harvesting Location		Troutman, NC

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