



# Permavoid<sup>®</sup> 85S

## DESCRIPTION

Permavoid<sup>®</sup> 85S provides a lightweight structural foundation with 95% void space and 85 mm 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<sup>®</sup> components can be installed. Permavoid<sup>®</sup> is supplied to Hydrotech under an exclusive agreement with ABT Inc.



## BASIC USE

Permavoid<sup>®</sup> 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.
- Sold in panels of 6 pre-assembled units.

## TECHNICAL DATA

Dimensions:	710 mm (27.95 in) x 710 mm (27.95 in) x 85 mm (3.35 in)
Material:	Polypropylene
Weight:	2.95 kg (6.5 lb) per unit (empty)
Compressive yield strength (vertical):	715 kPa (103.7 psi)
Compressive yield strength (lateral):	156 kPa (22.6 psi)
Deflection strength (vertical):	126 kPa/mm (464 psi/in)
Deflection strength (lateral):	15 kPa/mm (55.3 psi/in)
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
VOC Content (g/L)		0

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