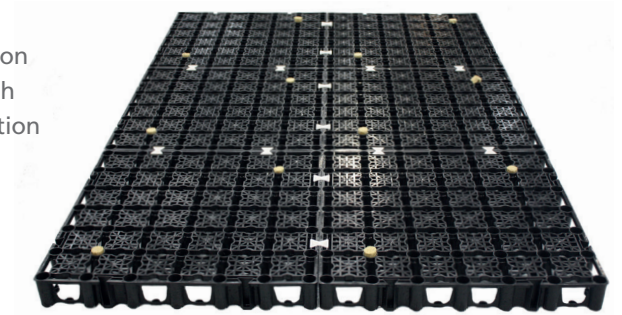


Product Code: PVPP85RCX6

The Permavoid<sup>2</sup> 85 Irrigation comprises of six pre-connected units with an integral wicking media and is designed to provide attenuation and irrigation for shallow non-loaded applications. The stored water is carried up through the cell via absorbent capillary cones using capillary action and, in conjunction with Permavoid Permatex Capillary Geotextile, is spread laterally across the surface area. Ideal for use in the most diverse roof and podium deck applications, enabling extensive and intensive greening, alongside hard-landscaping. It is 85mm high, manufactured from recycled polypropylene and minimises installation time.



## Key Benefits

- Enables surface water management and makes space for water in urban environments
- Provides passive irrigation by maintaining saturation of the wicking geotextile at 55-65%
- Allows the wicked stormwater to spread across a large surface area, ensuring plants have soil moisture to promote growth
- Minimises evaporation and over spraying losses associated with above ground irrigation systems
- Can be installed as part of an intelligent water management system, which can be controlled and monitored remotely
- High capacity, shallow, sub-base replacement system for non-trafficked applications
- 93% void ratio provides excellent storage capacity
- Plan area of 3m<sup>2</sup> maximises unit coverage, increasing laying efficiency
- Manufactured from recycled material
- Design life in excess of 50 years
- 100% recyclable at the end of its service life

## Applications

Permavoid<sup>2</sup> 85 Irrigation is designed for use in applications that will not be exposed to traffic loading, including:

- Green Roofs
- Blue roof gardens
- Soft landscapes areas
- Raised planters
- Sports pitches

For non-irrigation applications, please see our Permavoid<sup>2</sup> 85.

ELEMENT	VALUE
<b>PHYSICAL PROPERTIES</b>	
Weight per panel	17.4kg
Length	2136mm
Width	1424mm
Depth	85mm
Storage volume (litres per panel)	242.4l
Volumetric void ratio	93%
Vertical compressive strength	600kN/m <sup>2</sup>
<b>OTHER PROPERTIES</b>	
Ancillary	Permavoid Permatex
Material	Polypropylene (PP)

All values stated above are nominal and may vary within manufacturing tolerances.

## Installation

All calculations for Permavoid units are based upon site-specific load cases, pavement construction types and thicknesses, soil cover and ground conditions and the suitability must therefore be approved for each project.

## Technical Support

Detailed guidance and assistance is available.

For further information, please contact our Technical Team on **+44 (0) 1509 615100** or email [civils@polypipe.com](mailto:civils@polypipe.com) or visit [www.polypipe.com/civils-technical-hub](http://www.polypipe.com/civils-technical-hub)

Permavoid<sup>2</sup> 85 can be utilised in these SuDS techniques

TECHNIQUES													
Blue-Green roofs	Podium Decks	Trees	Sports Pitches	Cycle Paths	Permeable Paving (sub base & podium)	Bioretention & Rain Gardens	Attenuation Storage Tanks	Infiltration	Swales	Filter Drains	Detention Basins	Ponds & Wetlands	Filter Strips
✓	✓		✓		✓		✓						

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