

Permavoid Permatex Capillary Geotextile

Data Sheet

PRODUCT INFORMATION

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Product Code: PV23008/ PV230025

A heavy-duty, non-woven, needle punched geotextile made from UV stabilised polypropylene. It is specifically formulated to absorb water to irrigate mineral substrates when used in conjunction with permavoid capillary cone units, available in 25 x 6, 100 x 6 or 2m roles.



Applications

The wicking geotextile is suitable for use in most landscaped applications and sports pitches, as part of a passive irrigation system.

Key Benefits

- Can be used as part of a passive irrigation system
- Can remove excess soil moisture
- Transports stormwater laterally across a wide surface area, thus irrigating surrounding soil/ growing media and maintaining the correct amount of soil moisture to promote growth

Performance

A robust, heavy-duty Geotextile, when constantly charged with water it allows moisture to be fed naturally by capillary action to landscaped areas for irrigation. 300mm lap jointing is required

Installation

Permavoid Permatex Capillary Geotextile shall be laid continuously to suit the site specific requirements. Overlaps shall be a minimum of 300mm or heat sealed

Technical Support

For further information, please contact our Technical Team on +44 (0)1509 615 100 or email: civils@polypipe.com

Element	Value
PHYSICAL PROPERTIES	
Nominal Thickness	2.5mm
Roll Dimensions (PV23008)	285g/m ²
Weight	6m
Roll Dimensions (PV20035)	2m
Roll Length	100m
Roll Weight	210kg / 105kg
Roll Diameter	0.5m
Design Life	60 Years
MECHANICAL PROPERTIES	
Tensile Strength	22kn/m
Puncture Resistance	3350N
HYDRUALIC PROPERTIES	
Water Retention Capacity	1.14l/m ²
Dynamic Cone Drop	17mm
Opening Size 0-90	95 microns
Horizontal Capillary Distance in Conjunction with Capillary Cones	Min. 750mm for sports mixes

Permavoid Permatex Capillary Geotextile 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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