

Product code: PVT52000

Polystorm HD Soakaway Geotextile PVT52000 is a heavy duty, UV stabilized, polypropylene continuous filament needle-punched nonwoven geotextile, designed to complement our existing Polystorm modular geocellular system.



Applications

Polystorm HD Soakaway Geotextile is suitable for use as part of our Polystorm geocellular system for infiltration applications, and can also be incorporated into drainage trenches.

Key Benefits

- Excellent filtration properties, including high water permeability and optimum soil retention capability
- Offers quick and efficient draining of soil
- Resistant to all chemical and biological media that usually occur in surrounding soils and construction materials
- High mechanical resistance
- 100 year material design life

Installation

Polystorm HD Soakaway Geotextile will be laid to suit site specific requirements. Overlaps shall be joined together with double sided jointing tape. Ensure geotextile is clean and debris free before installing Polystorm.

Technical Support

Detailed guidance and assistance is available. For further information, please contact our Technical Team on +44 (0) 1509 615 100 or email civils@polypipe.com or visit www.polypipe.com/civils-technical-hub

APPLICATION	PRODUCT
LOADING OVER TANK	TS2000
Landscape (min cover 0.5m)	✓
Car parks (min cover 0.6-1.0m+)	✓
HGV (min cover 1.0m+)	✓
ELEMENT	VALUE
PHYSICAL PROPERTIES	
Nominal Thickness	2mm
Weight	220g/m ²
Roll Width	4.5m
Roll Length	100m
Opening Size	0.10mm
MECHANICAL PROPERTIES	
Tensile Strength (Machine direction)	16kN/m ²
Tensile Strength (Cross direction)	19kN/m ²
Elongation at max. load (Machine direction)	90%
Elongation at max. load (Cross direction)	36%
Puncture Resistance (CBR)	2750N
Dynamic Puncture Resistance (Cone drop)	21mm
HYDRAULIC PROPERTIES	
Water Permeability (Vertical)	85 l/m ² s

Polystorm HD Soakaway 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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