

Product code: PVTS1000

Polystorm Soakaway Geotextile PVTS1000 is a UV stabilized, polypropylene continuous filament needle-punched non-woven geotextile, designed to complement our existing Polystorm modular geocellular system.



Applications

Polystorm 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 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 | TS1000 |
| Landscape (min cover 0.5m) | ✓ |
| Car parks (min cover 0.6-1.0m+) | ✓ |
| HGV (min cover 1.0m+) | X |

| ELEMENT | VALUE |
|---|------------------------|
| PHYSICAL PROPERTIES | |
| Nominal Thickness | 0.8mm |
| Weight | 105g/m ² |
| Roll Width | 4m |
| Roll Length | 112.5m |
| Opening Size | 0.12mm |
| MECHANICAL PROPERTIES | |
| Tensile Strength (Machine direction) | 8kN/m ² |
| Tensile Strength (Cross direction) | 8kN/m ² |
| Elongation at max. load (Machine direction) | 90% |
| Elongation at max. load (Cross direction) | 75% |
| Puncture Resistance (CBR) | 1500N |
| Dynamic Puncture Resistance (Cone drop) | 26mm |
| HYDRAULIC PROPERTIES | |
| Water Permability (Vertical) | 130 l/m ² s |

Polystorm 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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