

Product code: PSM2

Polystorm Lite has been specifically designed for non-trafficked applications. With a compressive strength of up to 20 tonnes/m², it will support general maintenance vehicles such as grass cutters. Polystorm Lite can be used for retention, attenuation and infiltration applications. The modular structure receives rainwater collected from roofs or surface drains ready to release within a set drainage limit or wrapped in a permeable geotextile for infiltration. Polystorm Lite can be used typically for landscaped areas, pedestrian or public open spaces such as underneath playgrounds.



Key Benefits

- Compressive strength of 20 tonnes/m²
- Ideal for retention, attenuation and infiltration with a suitable geomembrane or geotextile
- Designed for landscaped, pedestrian or other non-loaded applications
- BBA approved
- Visual and maintenance access can be achieved when used in conjunction with Polystorm Access & Inspect
- Can be used as part of a value engineered hybrid system with Polystorm-R, Polystorm & Polystorm Xtra
- Integrated inlet and outlet
- 3D flow throughout the structure
- 95% void ratio
- 100% recyclable
- 50 years creep limited life expectancy

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



ELEMENT	VALUE
PHYSICAL PROPERTIES	
Length	1m
Width	0.5m
Depth	0.4m
Total volume	0.2m ³
Unit weight	7kg
Cube storage volume	0.19m ³ (190 litres)
Volumetric void ratio	95%
SHORT TERM COMPRESSIVE STRENGTH	
Vertical	Maximum 200kN/m ² **
Lateral	Maximum 40kN/m ² **
SHORT TERM DEFLECTION	
Short-term vertical deflection	6.4kN/m ² per mm
OTHER PROPERTIES	
Maximum burial depths: Non-trafficked	2.5m***

* Each unit includes 4 Clips and 2 Shear Connectors.

** Compressive strength at yield, maximum recommended value for design purposes.

*** Based on ground conditions being dense sand and gravel with no groundwater present using the calculation methodology detailed within CIRIA C680 (2008). Where ground conditions differ please consult our water management solutions technical department on +44 (0) 1509 615100.

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