

Product code: PSM3

Polystorm Xtra has been designed for use in deeper burial depths, heavily trafficked applications and where reduced cover is required, such as lorry parks and industrial access roads. It has a compressive strength of 83 tonnes/m². This allows for deeper burial, and consequently higher volumes of water capture and storage.



Key Benefits

- Compressive strength of 83 tonnes/m²
- Ideal for retention, attenuation and infiltration applications with a suitable geomembrane or geotextile
- Designed for heavy trafficked conditions which require shallow excavations or deep burial depths
- Can be used as part of a value engineered hybrid system in non-loaded and light traffic applications with Polystorm-R, Polystorm & Polystorm Lite
- Installed with blue lid facing down for increased strength
- Undergone testing in accordance to BBA certification
- Integrated inlet and outlet
- 3D flow throughout the structure
- 94% void ratio
- 100% recyclable

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	0.21m
Total volume	0.105m ³
Unit weight	6kg
Unit storage volume	0.0986m ³ (98 litres)
Void ratio	94%
SHORT TERM COMPRESSIVE STRENGTH	
Vertical	Maximum 834kN/m ² **
Lateral	Maximum 93kN/m ² **
SHORT TERM DEFLECTION	
Short-term vertical deflection	97.8kN/m ² per mm
Short-term lateral deflection	7.1kN/m ² per mm
OTHER PROPERTIES	
Maximum burial depths:	
Heavy trafficked	4.8m***
Light trafficked	5.3m***
Non-trafficked	5.45m***

* 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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