

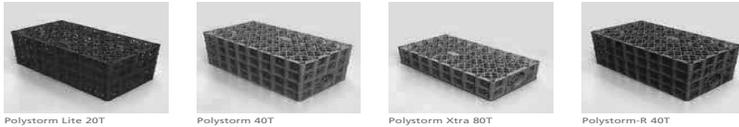
# Polystorm modular cell system

## four types of Polystorm cells

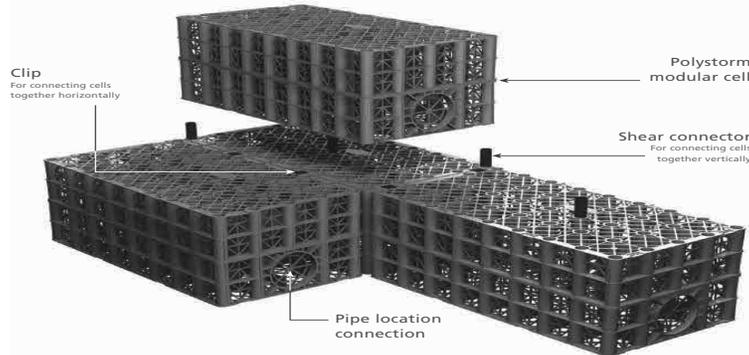
### The Polystorm principles

The Polystorm range of modular cell systems are designed with a 95% void ratio to retain large volumes of water run-off. The Polystorm cells can be designed and built to a specific size to a total void volume requirement dependant upon the water run-off volumes required on a particular project (i.e. car park, road or building). The Polystorm range of water storage cells are structurally strong, individual modular cells which can be built up to form a structure of any shape or size. The structure is wrapped in a non-permeable, geomembrane which can receive rainwater collected from the roof gutter system or surface drains and either releases the water within set discharge limits (attenuation) or, where soil conditions allow, be wrapped in a permeable geotextile and slowly release the water back into the surrounding soil (soakaway).

### Products and Solutions



Polystorm Lite 20T    Polystorm 40T    Polystorm Xtra 80T    Polystorm-R 40T



Effective Roof Area (Square Metres)	Size of Soakaway Required (Cubic Metres)	Number of Rainsmart Ellipse Double Crates Required
25 m <sup>2</sup>	0.5m <sup>3</sup> (500 litres)	2
30 m <sup>2</sup>	0.6m <sup>3</sup> (600 litres)	3
40 m <sup>2</sup>	0.8m <sup>3</sup> (800 litres)	3
50 m <sup>2</sup>	1.0m <sup>3</sup> (1000 litres)	4
60 m <sup>2</sup>	1.2m <sup>3</sup> (1200 litres)	5
80 m <sup>2</sup>	1.6m <sup>3</sup> (1600 litres)	7
100 m <sup>2</sup>	2.0m <sup>3</sup> (2000 litres)	8

Designed for use in landscaped, pedestrian or other non-loaded applications with a load bearing capacity of:

# 20 tonnes

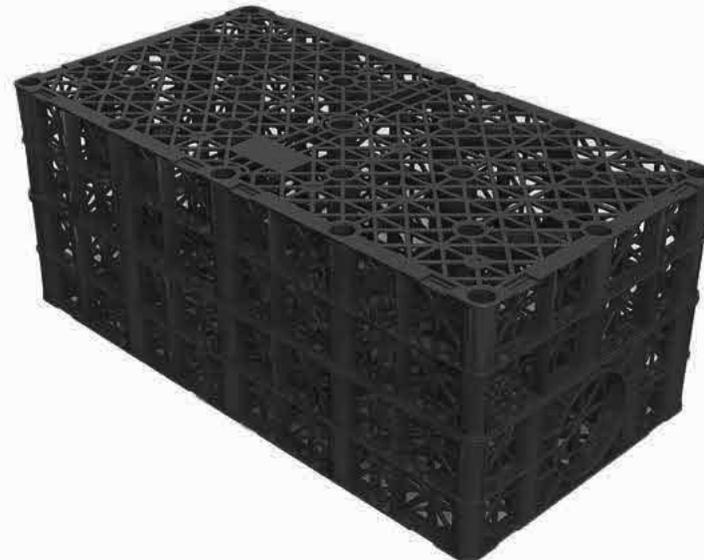
### Technical Specification Overview

Unit type	Polystorm Lite
Product code	PSM2*
Dimensions	1m x 0.5m x 0.4m high
Total volume	0.2m per cube
Unit weight	7kgs**
Cube storage volume	0.19m <sup>3</sup> (190 litres)
Surface area	55% perforated
Compressive strength	Maximum 20 tonnes per sq metre
Maximum burial depth	2.5m***

\* Each unit includes 4 clips and 2 shear connectors. Please note that brick bond connector may be required at additional cost.

\*\* Pallet weight dependent upon order quantity and transport type.

\*\*\* In weak clay soil conditions the maximum burial depth is 1.5 metres. Polystorm Lite should not be installed below the water table.



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All dimensions to be checked on site. Any discrepancies to be reported immediately to the Project Coordinator. Do not scale from this drawing, use for dimensions.

REV	DESCRIPTION	REVISED BY AND DATE	APPROVED BY AND DATE

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DRAWING NO.	REV.	DWG. CREATED BY
DC-10/05	AUG-2020	EA