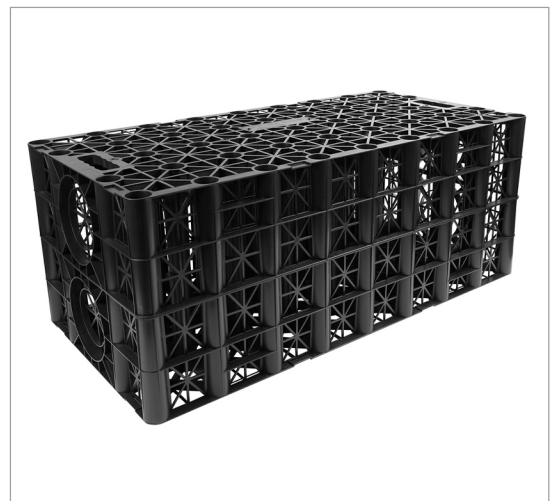


# Hydrocell Data Sheet

Hydrocell systems are used in stormwater retention, attenuation or infiltration applications. The Hydrocell crate has been designed for use in deep applications, subject to regular and heavy traffic loadings, e.g cars and HGV's. It also offers usage in both landscaped and deep soakaway applications. The crates are designed to be simply and easily stacked together to create an attenuation system: when the normal drainage systems cannot cope with the volume of surface water, this is diverted into the Hydrocell storage system and released slowly after the storm has passed avoiding localised flooding. When creating a soakaway, these underground storage units are wrapped in a heavy-duty non-woven needle punched geotextile to allow water discharge to the subsurface, but prevent any soil or sand particles to go through.

## Physical Properties

Dimensions	1000mm x 500mm x 400mm
Volume	0.2m <sup>3</sup>
Storage Volume	190 Litres (0.19 <sup>3</sup> )
Void Ratio	95%
Unit Weight	10kg
Material	Polypropylene
<b>Short term compressive strength</b>	
Vertical	Maximum 620kn/m <sup>2</sup>
Lateral	Maximum 60kn/m <sup>2</sup>



## Key Benefits

- Load bearing strength of 62 tonnes per m<sup>2</sup>
- 95% void ratio
- Ideal for retention, attenuation, or infiltration applications with a suitable geomembrane or geotextile
- Designed for use in deep applications, subject to regular and heavy traffic loadings
- Integrated inlet and outlet
- 100% Recyclable



Installation Guidance and assistance is available.  
For further information, please call 0121 552 8887

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