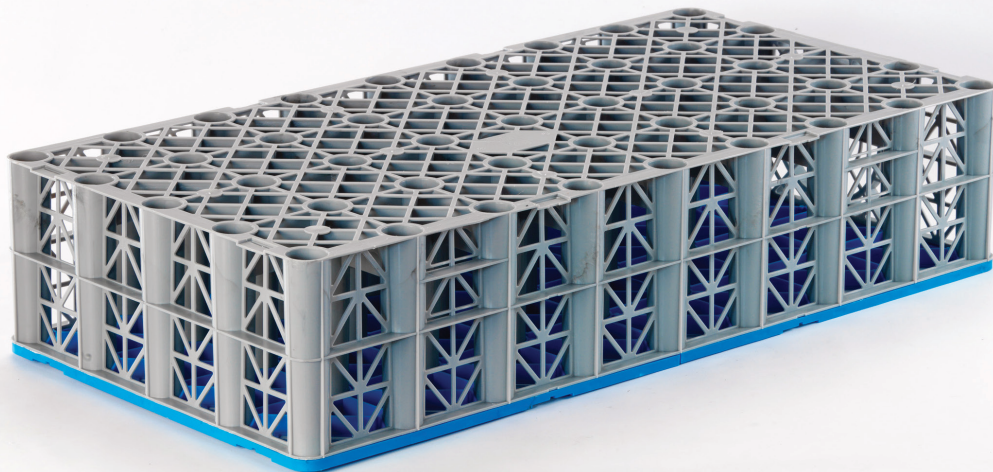


# KEYTEC POLYSTORM

## Modular Cell System

### 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).



### KEY BENEFITS

- **95% void ratio:** Providing greater water storage capacity and reduced excavation and disposal costs
- **Modular units:** Allow flexibility of shape - ideal for shallow excavation systems, narrow strips or use in restricted areas
- **Light weight yet robust:** Excellent Health and Safety and installation benefits
- **Easy to handle:** Unique rounded corners for ease of handling and reduces likelihood of punctures to membranes
- **Cost effective:** Especially when used as a hybrid, value engineered system
- **Recyclable:** 100% recyclable at the end of its useful life
- 50 year design life
- **Range:** Spans from 20 tonnes per square metre load bearing capacity up to a maximum of 80 tonnes per square metre load bearing capacity
- The range can be designed for non trafficked, trafficked or heavily trafficked applications
- Suitable for both attenuation and soakaway systems
- BBA Approved for Polystorm, Polystorm Lite and Polystorm-R. BBA pending for Polystorm Xtra
- Hybrid Solutions available

### POLYSTORM CELLS

There are four different types of Polystorm cells which are Polystorm Lite, Polystorm, Polystorm Xtra and Polystorm-R. Each Polystorm cell type has a different surface load specification.

- Polystorm Lite is designed for use in landscaped pedestrian or other non-loaded applications
- Polystorm is designed for use in trafficked and loaded applications
- Polystorm Xtra is designed for use in deeper build depths for heavily trafficked and heavy loaded applications
- Polystorm-R is produced from carefully researched and selected recycled materials to provide an environmentally-friendly solution to surface water drainage and storage applications. Polystorm-R has a 61 tonne per square metre compression strength and is ideal for lightly trafficked and pedestrian applications.