

Polystorm Range

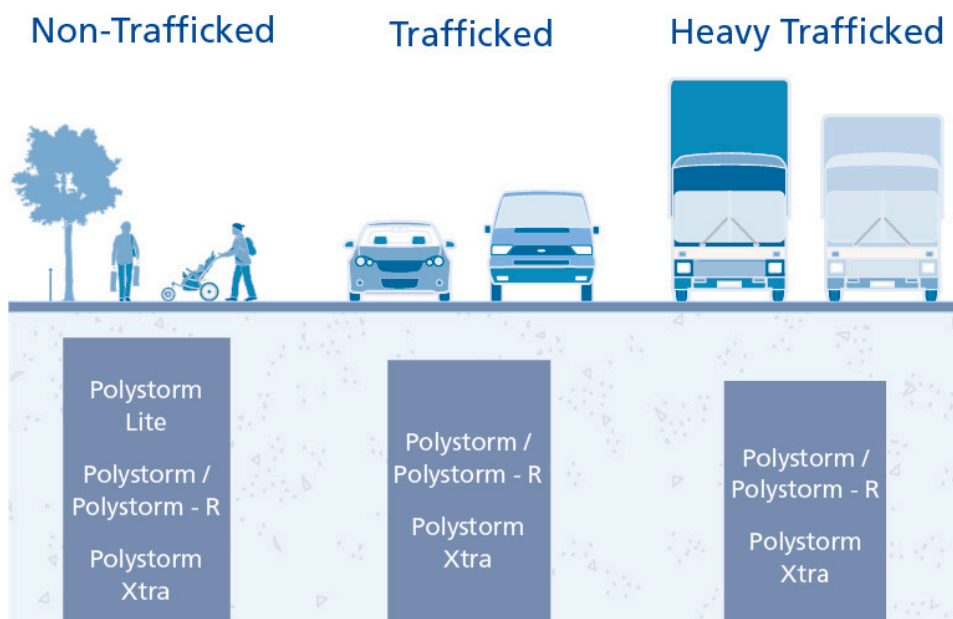
PRODUCT INFORMATION

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The tried and tested Polystorm range for the management of surface water is designed to provide retention, attenuation or infiltration at a variety of depths. The Polystorm range is ideally suited to deeper applications and can accommodate a wide range of traffic loadings, from pedestrianised areas to large HGV parks. The current range comprises of four modular cells and two access options for both horizontal and vertical inspection.

Key Features and Benefits:

- 95% void ratio providing greater water storage capacity and reduced excavation and disposal costs
- BBA Approved - Polystorm, Polystorm-R & Polystorm Lite (Polystorm Xtra pending)
- Modular units allow flexibility of shape, making it ideal for shallow excavation systems, narrow strips or for restricted areas
- Light weight yet robust, affording excellent Health and Safety and installation benefits
- Unique rounded corners for ease of handling and reduces likelihood of punctures to membranes
- 100% recyclable at the end of its useful life
- 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 retention, attenuation and infiltration systems
- Up to 60 year design life
- Polystorm modular cells are manufactured from polypropylene
- Polystorm Access is manufactured from MDPE



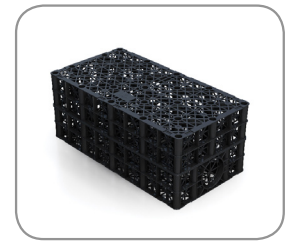
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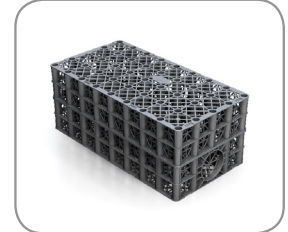
Polystorm Lite (PSM2)

Specifically designed for non-trafficked applications within landscaped areas, pedestrianised areas or public open spaces such as playgrounds. With 20 tonne per square metre compressive strength, it can take the load of general maintenance vehicles such as grass cutters.



Polystorm (PSM1)

With 44 tonne per square metre compressive strength, made from virgin material, Polystorm is ideally suited for trafficked and loaded areas at greater depths. It is used frequently for housing developments, car parks and commercial developments.



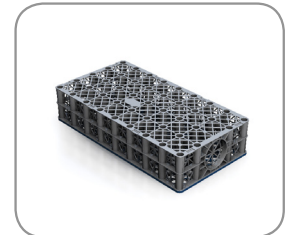
Polystorm-R (PSM1A)

Similar to the Polystorm cell, Polystorm-R is used for trafficked and loaded applications and has a compressive strength of 61 tonne per square metre. Polystorm-R has the added benefit of having up to 100% recycled material content. It is ideally suited for housing, commercial and infrastructure projects.



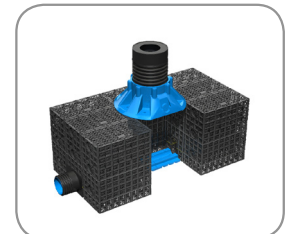
Polystorm Xtra (PSM3)

Designed for use in deeper burial depths and heavier trafficked and loaded applications, Polystorm Xtra has 83 tonne per square metre compressive strength, making it ideal for very heavily trafficked areas, deep applications and where reduced cover is required.



Polystorm Access (please see datasheet for codes)

Polystorm Access provides a 1m x 0.5m shaft within a Polystorm structure to enable surface access for remote camera inspection and maintenance activities such as flushing and rodding. The system consists of a 500mm diameter shaft which extends from surface level to the top of a Polystorm structure, at which point a turret provides an interface between the shaft and the inspection chamber within the system.



Polystorm Inspect (PSM4)

Polystorm Inspect provides a tunnel along the length of a fully installed Polystorm structure to enable access for inspection and maintenance. Polystorm Inspect can be combined with Polystorm Access for full inspection and maintenance activities such as flushing and rodding.



Polystorm Geotextiles (PVTS1000 & PVTS2000)

Polystorm Geotextiles are UV-stabilized, polypropylene, continuous filament needle-punched non-woven geotextiles, designed to complement the range of Polystorm modular cells. They are suitable for infiltration applications and can also be incorporated into drainage trenches.

