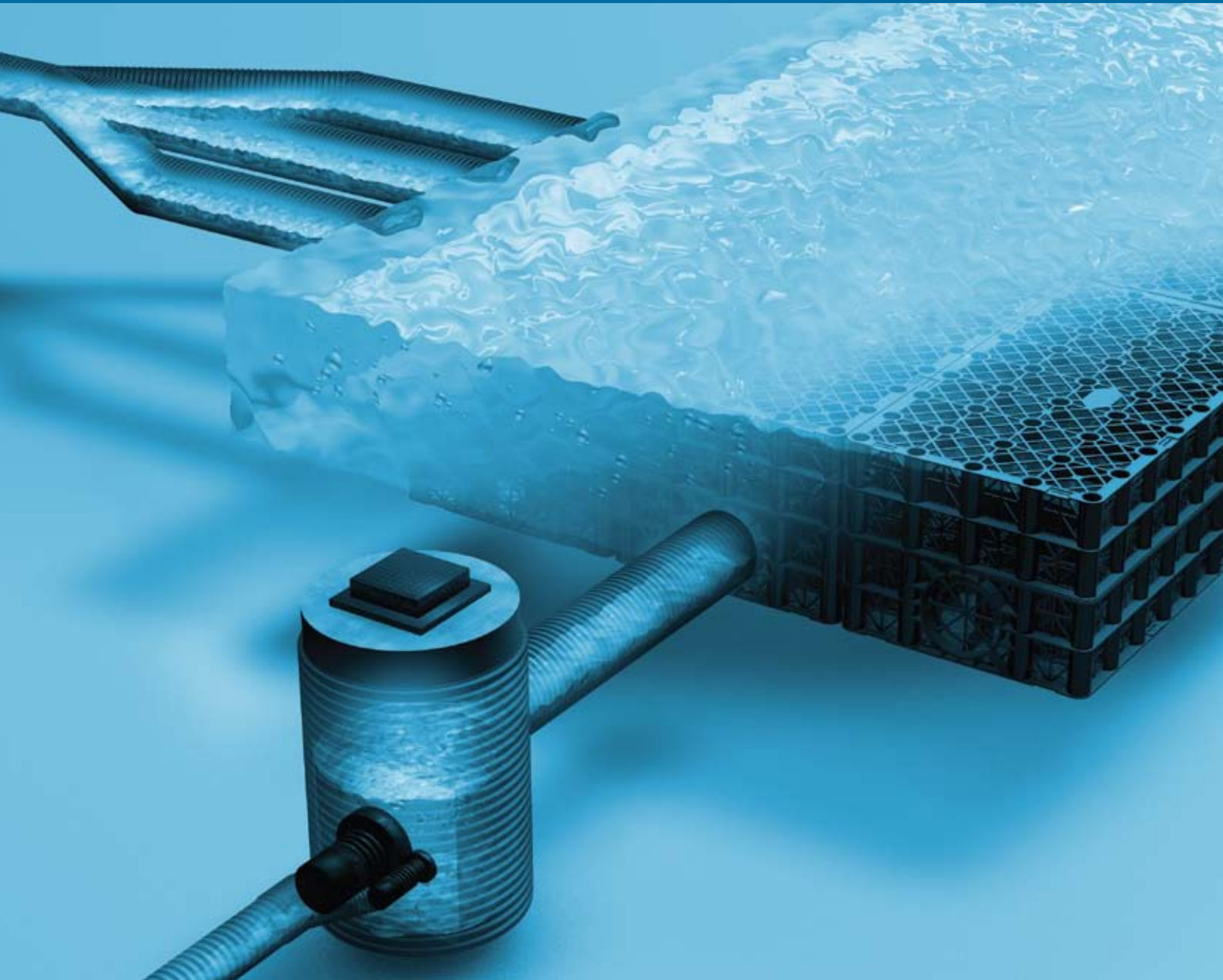




In stock now at your local Buildbase Civils and Lintels



Polystorm and Polystorm Lite

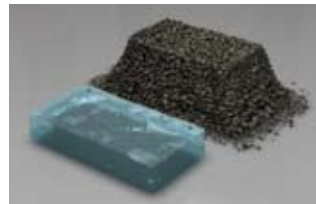
From Polypipe Water Management Solutions

Every site is different, different ground conditions, planning requirements and design considerations will all influence the drainage system selected. Polystorm and Polystorm Lite are flexible enough for any situation. Whether used for soakaway or attenuation, trafficked or non-trafficked, deep or shallow excavations, small scale residential or large scale CIR developments, Polystorm offers the solution for every site constraint.

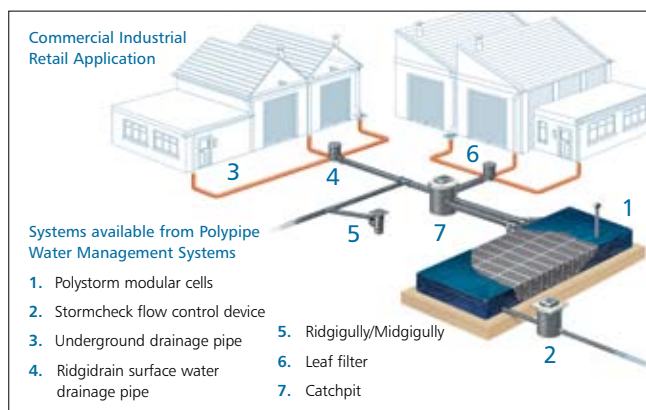
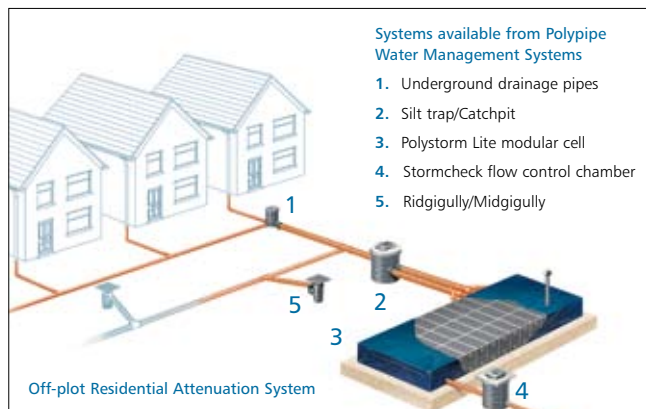
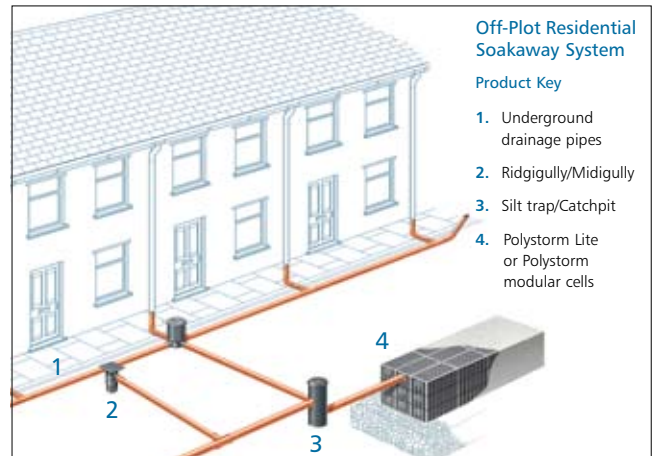
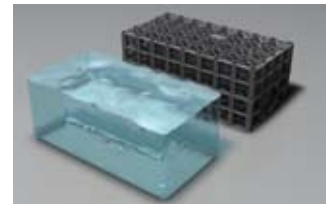
Polystorm for Soakaway Solutions

The Polystorm soakaway system provides a modern, versatile alternative to the traditional inefficient gravel filled soakaway. Soakaways of any size or shape are easily constructed on-site from a number of lightweight, load bearing modular cells. They can be configured to suit the majority of site constraints and the units are light enough to carry manually and are quick and easy to install compared with alternative gravel filled or concrete ring soakaways. The entire Polystorm structure is wrapped with a permeable geotextile to prevent silt migration. Polystorm and Polystorm Lite both benefit from a 95% void ratio, compare this with gravel filled soakaways which typically only have a 30% void ratio and you can see why the modular cell system is much more efficient and requires less excavation.

Gravel fill only 30% void ratio



Polystorm cells benefit from 95% void ratio



Polystorm for Attenuation Solutions

Attenuation tanks store rainwater from storms on site until it can be safely released at a controlled rate, reducing peak flows and flood risk downstream. Polystorm and Polystorm Lite can be used to form attenuation tanks when wrapped in an impermeable geomembrane. Because the cells are modular, the tank can be configured to suit the majority of site constraints, including as a deep trench at the site perimeter or as a shallow slab under a landscaped area. The tank receives rainwater collected from roof and car park areas and holds it on site until the storm event has passed and the water can be slowly released back into the drainage network through use of a Stormcheck vortex flow control chamber.

Ready to collect from stock at your local Buildbase Civils and Lintels...where you need it, when you need it.

Flexible Drainage Systems from Polypipe Water Management Solutions

Polystorm Key Benefits

- 95% void ratio allowing greater storage capacity and reduced excavation and disposal cost.
- Lightweight and easy to carry providing health and safety benefits and removing the requirement for heavy plant equipment.
- Quick and easy to install.
- Flexibility in design and shape making it ideal for shallow installations.
- Polystorm has a 40 tonne per meter square load bearing capability making it suitable for use in trafficked areas (i.e. under car parks).
- Polystorm Lite has a 20 tonne per meter square load bearing capability making it suitable for use in landscaped areas (i.e. playgrounds, landscaped areas of a development or back gardens).
- BBA Approved *.



* Polystorm Lite pending

Maintenance

Polypipe Water Management Solutions provides a holistic approach to stormwater management, this includes a full range of preventative maintenance solutions for use with Polystorm and Polystorm Lite including catchpits, basic and advanced silt traps and Stormcheck flow control units.

Silt Traps

The ingress of debris into the Polystorm units is prevented by the use of a Polypipe silt trap which is designed and fabricated to suit a particular drainage requirement. The silt trap extends the useful life of the Polystorm structure by preventing the ingress of debris. Silt traps are easily maintained by on-site maintenance staff or the residential homeowner.



Polystorm - Technical Specification Overview

Unit Type	Polystorm
Product Code	PSM1
Dimensions	1m x 0.5m x 0.4m high
Total Volume	0.2m per cube
Unit Weight	9kgs
Cube Storage Volume	0.19m ³ (190 litres)
Surface Area	48% perforated
Compressive Strength	Minimum 40 tonnes per sq. metre
Maximum Burial Depth	3.7 metres

Polystorm Lite - 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 ³ (190 litres)
Surface Area	55% perforated
Compressive Strength	Minimum 20 tonnes per sq. metre
Maximum Burial Depth	2 metres

Stormcheck Chamber

One aim of a sustainable drainage system is to mimic green field run off rates from developed sites. One way of achieving this is by stormwater attenuation and controlled discharge from site. The Stormcheck vortex flow control chamber comprises of a pre-fabricated plastic chamber with integral vortex flow control device which allows for precise control of the discharge of stormwater from the attenuation structure. The Stormcheck chamber is available in a range of diameters up to 1800mm and is constructed off-site saving time and costs during installation.



The complete range of Polypipe WMS systems are available from your local Buildbase Civils and Lintels, please see details of your nearest stockist below.

COOPER CLARKE CIVILS & LINTELS - FARNWORTH

Bloomfield Road, Farnworth, Bolton BL4 9LP
Tel: 01204 862222 Fax: 01204 795296
farnworth@civilsandlintels.co.uk

DUNPARK CIVILS & LINTELS - BILSTON

Anchor Lane, Bilston, West Midlands WV14 9NE
Tel: 01902 491111 Fax: 01902 490111
bilston@civilsandlintels.co.uk

ERITH CIVILS & LINTELS - ERITH

Viking Way, Church Manorway Industrial Estate,
Erith, Kent DA8 1EW
Tel: 01322 446200 Fax: 01322 435894
erith@civilsandlintels.co.uk

HENDRICKS CIVILS & LINTELS - HUTHWAITE

Nunn Brook Rd, County Industrial Estate
Huthwaite, Notts. NG17 2HU
Tel: 01623 440330 Fax: 01623 440269
huthwaite@civilsandlintels.co.uk

HENDRICKS CIVILS & LINTELS - OLDHAM

Stock Lane, Chadderton, Oldham OL9 9EY
Tel: 0161 627 0888 Fax: 0161 627 1888
oldham@civilsandlintels.co.uk

HENDRICKS CIVILS - WESTBURY

Chemical Road, West Wilts Trading Estate,
Westbury, Wilts. BA13 4JN
Tel: 01373 823537 Fax: 01373 858040
westburyh@civilsandlintels.co.uk

WARRINGTON CIVILS & LINTELS - WARRINGTON

Wilson Patten Street, Warrington WA1 1HN
Tel: 01925 255700 Fax: 01925 416520
warrington@civilsandlintels.co.uk

WILLIS CIVILS - BURY ST EDMUNDS

Sumner Road, Shepherds Grove Industrial Estate East,
Stanton, Bury St Edmunds, Suffolk IP31 2PZ
Tel: 01359 253880 Fax: 01359 253881
bury@civilsandlintels.co.uk

WILLIS CIVILS - BRAINTREE

3 Tamdown Way, Springwood Industrial Estate,
Braintree, Essex CM7 2QL
Tel: 01376 550550 Fax: 01376 340340
braintree@civilsandlintels.co.uk



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Water Management Solutions

The solutions, technology, service, support, technical expertise, the leaders within the industry

Polypipe Civils
Head Office, Union Works
Bishop Meadow Road
Loughborough
Leicestershire LE11 5RE

Tel: 01509 615100
Fax: 01509 610215
Email: wmsenquiries@polypipe.com
www.polypipewms.com

