

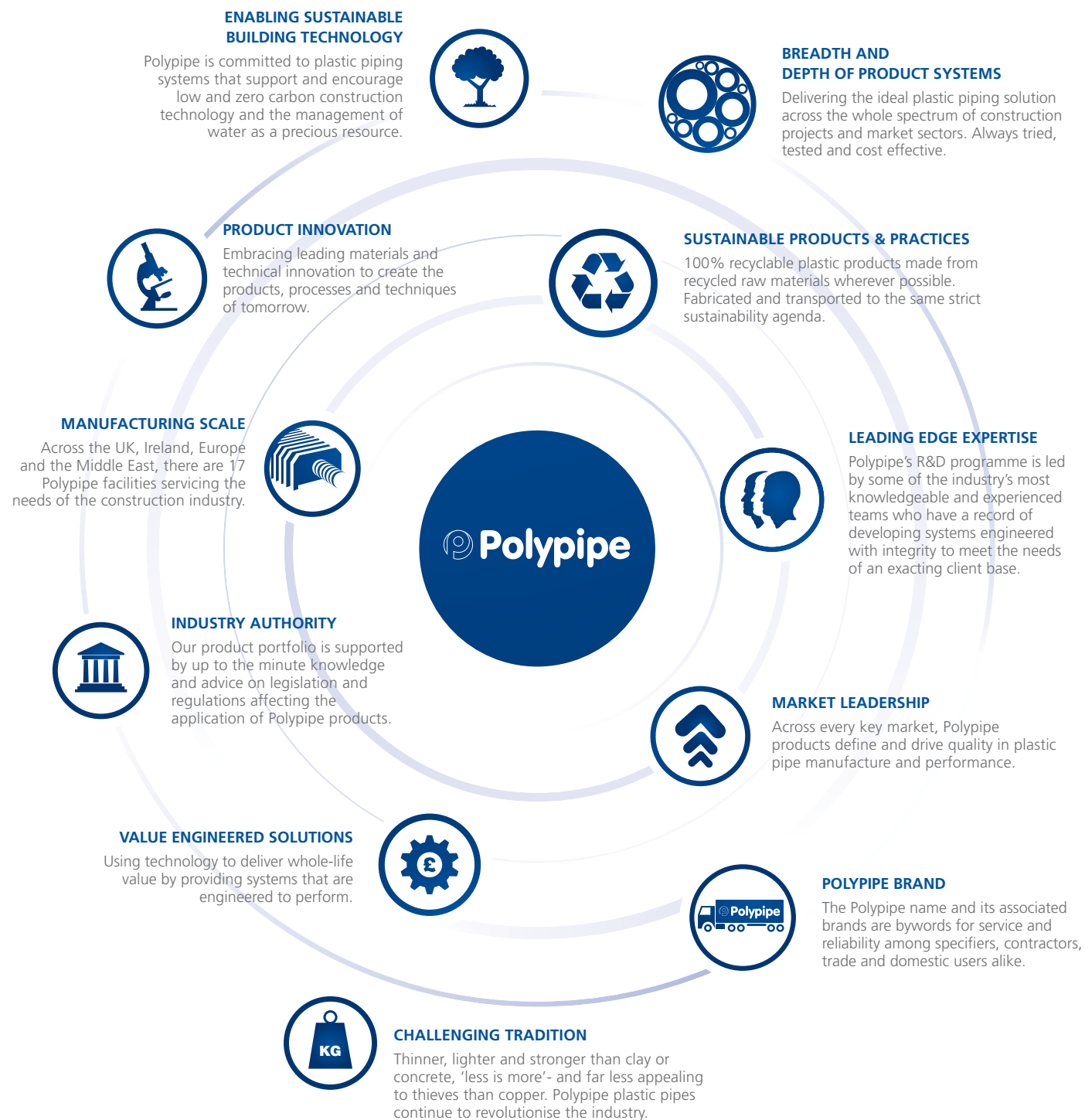
Commercial



Above Ground Drainage • Rainwater Management
Water Supply & Distribution • Heating & Ventilation

Polypipe

We design, develop and manufacture the widest range of plastic piping products, with over 20,000 product lines available. Our primary focus is on developing and supporting pragmatic product systems through specific knowledge and understanding of the residential, commercial, civils and infrastructure market sectors. We ensure that customers can trust our unrivalled expertise to provide value engineered, fit for purpose piping solutions for the growing diversity and complexity of construction and building technology challenges they face.



Commercial Piping Systems

Polypipe are the largest British owned, British based plastic piping systems manufacturer. Our unique product portfolio equips Polypipe Terrain to provide the UK Building Services Industry with a comprehensive range of above ground drainage and mechanical solutions.

Polypipe's continued investment in British manufacturing enables us to build on our proud heritage and create such unique new product ranges as **TERRAIN FIRETRAP** and **TERRAIN FUZE**.

Like all Polypipe Terrain products they are designed and manufactured to meet the specific requirements of the UK market and reflect a tradition of innovation that can only come from a true industry leader.



Investment in People

At Polypipe, it's not just investment in product and engineering that sets us apart. We appreciate how important our people are to the success of our business. We invest to ensure that our employees grow in knowledge and capability, assisting us to grow too. We are proud of their record in achieving long service but beyond all else, the health and safety of our employees comes first.

Sustainable Approach

Polypipe take sustainability seriously and are delighted to have become the first plastic piping systems company to be awarded the coveted Carbon Trust Standard. Lean manufacturing techniques, and our approach to recycling all manufacturing waste, are at the heart of our sustainable manufacturing processes, whilst we also have the capability to re-use off-cuts of our products if they are returned from site. Indeed, plastic is itself a sustainable product - lighter and easier to handle and transport, it requires less energy to be converted from polymer to finished product, than traditional materials. Furthermore, our product portfolio includes many products designed to aid the construction of a more sustainable built environment, such as rainwater harvesting and under floor heating.



Contents

Market Leading Solutions for Above Ground Drainage	4 - 5
Advanced Drainage Systems for Challenging Building Projects	6 - 7
Rainwater Management and Control Systems	8 - 9
Storage and Re-use of Rainwater	10 - 11
Water Supply Systems	12 - 13
Water Distribution Systems for Every Application	14 - 15
Heating and Ventilation	16 - 17
Leaders in Service, Support and Innovation	18 - 19
At the Heart of Innovative Building Design	20 - 21
Literature	22
Polypipe Enabling Sustainable Building Technology	23

Market Leading Solutions for Above Ground Drainage



Our many years' experience manufacturing above ground drainage products means we can furnish a complete range of proven, traditional systems that continue to evolve in response to new technology and the changing needs of the market.

Terrain PVC Soil and Waste

Terrain Solvent Weld

The Terrain Solvent Weld system offers a neat way to achieve a permanent joint which is why it has become the system of choice for the professional installer. Quick and easy to use, the system allows you to create bespoke solutions for each individual project, and has proven itself time and again on some of the UK's most prestigious and challenging projects to be a wholly reliable, maintenance free system.

Terrain Push-Fit

Terrain's Push-Fit Soil and Waste System offers a comprehensive range of socketed pipes and fittings to meet all project requirements where a Push-Fit system is preferred.

Waste Systems

Our waste systems incorporate both Push-Fit and Solvent Weld solutions in 32mm, 40mm and 50mm sizes, and include a comprehensive range of fittings for all applications.

Terrain Unique

Terrain Unique is a range of unique fittings designed to speed installation on UK applications and includes products such as variable boss branch and soil manifold. These products assist the installer to overcome challenging installation situations with one easy to use fitting.

Key benefits

- Light weight and easy to handle
- Quick, easy installation
- Comprehensive range of fittings
- Suitable for simple or challenging installations

Terrain FUZE (hdpe)

A high performance drainage system, Terrain FUZE has many advantages over cast iron and other traditional systems. Manufactured from high density polyethylene (hdpe) Terrain FUZE provides a comprehensive, modern solution to above ground drainage requirements, providing specifiers and installers maximum flexibility in the design process.

Utilising the intrinsic properties of hdpe, Terrain FUZE offers greater benefits above and beyond more traditional materials and performs significantly better when tested for impact and abrasion resistance, chemical corrosion and extreme temperatures. Indeed, when tested with Terrain Firetrap sleeves, Terrain FUZE achieves up to a 4 hour fire rating!

Joint integrity

Terrain Fuze is joined by either electro-fusion or butt fusion. Such methods of creating a joint ensure system integrity by utilising the host material of the pipe to create the connection ensuring the weld area is as strong as the host material.

Simple installation

The light weight nature of Terrain FUZE allows the product to be installed quickly and efficiently, giving direct, resource-saving benefits to specifiers and installers. As with our PVC system, Terrain FUZE incorporates a number of unique fittings to aid installation. Terrain FUZE is also perfect for pre-fabrication, particularly where repetition is prevalent.

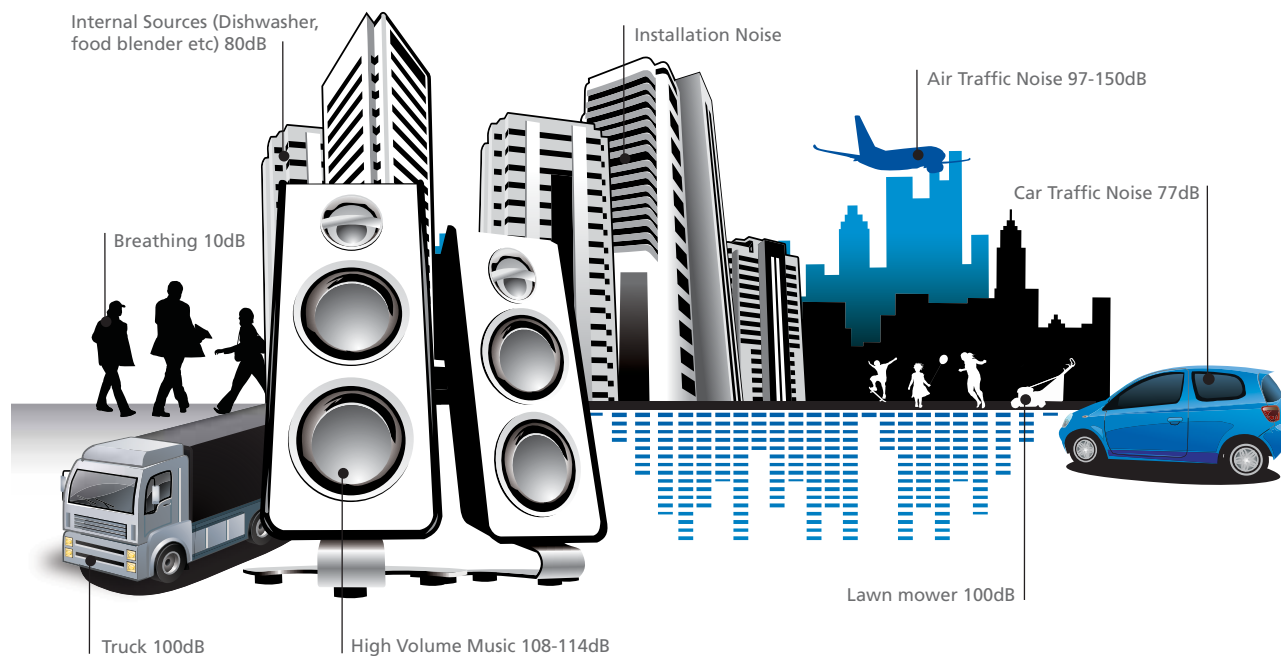
Key benefits

- Light weight and easy to handle
- Quick, easy installation
- Suitable for chemical drainage
- Corrosion resistant
- Fully compatible with Terrain PVC
- Satisfies all relevant regulations
- BBA certified



Advanced Drainage Systems for Challenging Building Projects

Our expertise and innovation provides cutting edge solutions to meet the challenges posed by modern building design and stringent building regulations, particularly in the areas of sound insulation, fire protection and off-site manufacture.



Terrain Acoustic dB12

Offering a solution to the problem of noise and vibration in Soil and Waste pipework, Terrain Acoustic dB12 is an easy to install, triple layer pipe system. With specially developed co-polymer polypropylene layers and acoustically engineered fittings that effectively dampen both airborne noise and sound transmitted through the building structure, it is especially well suited to large, multi-occupancy buildings such as apartment developments, student accommodation and hotels. Acoustic dB12 can be used in new developments and in refurbishment projects and offers flame retardant properties to B1 in compliance with DIN4102. It is highly resistant to impact, even at lower temperatures, and has demonstrated excellent resistance to corrosion across a wide range of chemical agents and temperatures.

Key benefits

- Elevated corrosion resistance - Resist corrosion from acids, oxidizing agents and inorganic reducers
- Internal and External smooth bore - Pipes are free from the formation of encrustations on the internal bore
- Working temperatures from 0° to 95°
- Ability to transport waste with pH values between 2 and 12
- Highly resistant to impact, even at low temperature



SILERE systems provide a complete soundproofing solution, with noise levels reduced to just 6db at flow rates of 2 litres per second. Achieved through the use of a homogenous, extra thick polypropylene pipe wall, with added minerals to provide further density and acoustic insulation. This makes Silere stacks extremely robust and resistant to corrosion - even against acids, oxidizing agents and inorganic reducers - and allows for working temperatures between 0 and 95 degrees centigrade and a pH range of 2 to 12. Acoustic performance is further enhanced by a smooth internal bore that discourages build up of the deposits and encrustations that are often a significant source of noise and vibration.

Terrain Firetrap

Terrain Firetrap provides up to 4 hours fire protection for drainage stacks to meet and exceed building regulations.

Terrain Firetrap sleeves

Designed to stop fire spreading through stack systems, Terrain Firetrap sleeves provide a highly effective seal to pipe penetrations by crushing exposed pipework. Terrain Firetrap sleeves offer a 4 hour fire rating under BS 476 Part 20, BS EN 1366-3 and may be used above and below slab level with Terrain Fuze, Terrain Acoustic dB12 and Terrain Soil and Waste systems.

Key benefits

- Provide fire stopping for pipe penetrations
- Crush and seal the plastic pipe, closing the penetration
- Ideal partner for Terrain Fuze
- Quick, easy installation

Terrain Firetrap collars

Terrain Firetrap collars are designed to restore the fire resistance of a wall or floor after it has been penetrated to accommodate Terrain Soil and Waste stack work.

Key benefits

- Suitable for all Terrain drainage systems
- Seal pipes from 50mm to 160mm
- Can be face fixed or set into a wall or floor slab
- Suitable for use on concrete, masonry and plasterboard



Prefabrication

Off-site fabrication has revolutionised most areas of the construction industry, and drainage is no exception.

Polypipe's advanced prefabrication facilities allow for a level of precision and quality that simply cannot be achieved on-site. Of particular value where bulk volumes of identical stacks are required, such as in high-rise apartments or hotels, they help speed up the construction process, drive down material and labour costs, eliminate waste and benefit on-site health and safety.

All prefabricated stacks are produced under factory-controlled conditions by our highly skilled and experienced fabrications team. Their services even extend to bespoke fittings and systems that meet individual project requirements in a one-off, value engineered drainage solution.

If you have a specific requirement for our bespoke design services, or you'd like to discuss your project with our design team, please call our technical department on 01622 795200.



Rainwater Management and Control Systems

Polypipe Terrain's Rainwater management solutions provide a full suite of products and systems from traditional gutter and downpipe sets to advanced siphonic drainage and modular storage technologies.

Gravity Rainwater

A fully integrated system of gutter and downpipe assemblies, including all the fittings and accessories needed for easy installation, Terrain Rainwater offers a choice of five gutter profiles in robust PVCu to help you achieve your performance and design objectives, no matter what the project. It features captive seals for performance and security, plus a combination clipping system and dry jointed downpipe spigot sockets for ease of installation.

Key benefits

- Suitable for both residential and commercial applications
- Complies to EN607/EN12200/EN1462
- Wide range of roof and balcony outlets available



- Crescent** **True half-round profile**
Ideal for houses, smaller commercial buildings and offices. Can drain roof areas up to 122m² with a single downpipe. Capacity per outlet 2.54 litres/sec.
- Corniche** **Square profile**
A popular, modern system suiting domestic houses, bungalows and conservatories. Can drain roof areas up to 149m² with a single downpipe. Capacity per outlet 3.11 litres/sec.
- Streamline** **Large square profile**
A high capacity system ideal for commercial properties and larger houses. Can drain roof areas up to 294m² with a single downpipe. Capacity per outlet 6.11 litres/sec.
- Rapidflow** **Deep elliptical profile**
A high capacity system suiting all styles of property. Ideal for large roof areas or areas with higher than normal rainfall. Can drain roof areas up to 266m² with a single downpipe. Capacity per outlet 5.53 litres/sec.
- Omega** **Ogee profile**
Ideal for the more distinctive house, also suiting bungalows and conservatories. Can drain roof areas up to 242m² with a single downpipe. Capacity per outlet 5.04 litres/sec.
- Outlets** **Roof and balcony outlets**
Outlets available for all flat roof and balcony structures and drain vent systems (For large roof areas use Terrain Siphonics).

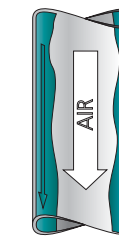
Siphonic Rainwater

Terrain HydroMax
An advanced siphonic drainage system that provides rapid and highly efficient removal of water from roof surfaces. Using naturally induced siphonic process, Terrain HydroMax literally 'sucks' water away, creating a flow capacity up to ten times greater than an equivalent gravity-fed system. Unlike conventional downpipes, HydroMax pipes require no air core at their centre, allowing much larger volumes of water to be dispersed through a smaller pipe diameter.

Key benefits

- Pipes require no fall or slope, increasing design flexibility
- Self cleaning system
- Fully complies to BS 8490:2007
- Cost-effective system

Traditional gravity system

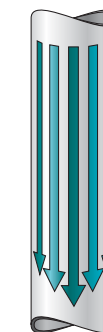


A gravity drainage system limits capacity to one-third water, that adheres to the inner pipe wall, with a large two-thirds air core.

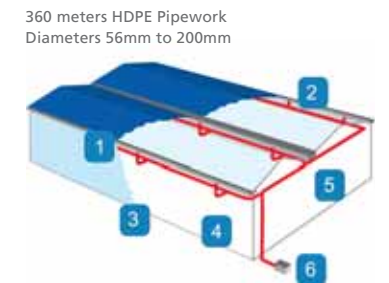


530 metres Pipework
Diameters 160mm to 450mm

Terrain HydroMax siphonic system



In the Terrain HydroMax system, air is purged from the pipe so that it runs 100% full of water, enabling smaller diameter pipes to remove higher volumes of rainwater.



360 metres HDPE Pipework
Diameters 56mm to 200mm

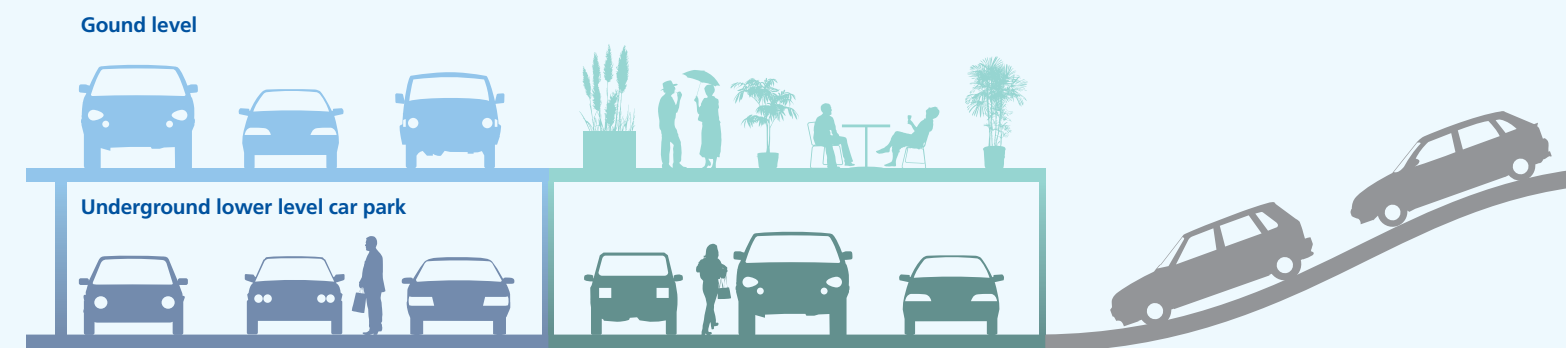
- 1 Small diameter collector pipes installed level without slope
- 2 High performance Terrain - Hydromax roof drain
- 3 Significant reduction in underground drainage, trenching, soil removal, treatment or backfill
- 4 Design team or clients' chosen downpipe locations
- 5 No drainage under building floor slab
- 6 Easy directing of Roof Rainwater to Attenuation or Rainwater Harvesting

Permavoid Podium Deck

A modular cell system used to create a load-supporting raft beneath deck areas while providing integral drainage and rainwater harvesting. Permavoid Podium Deck replaces traditional source control techniques such as surface drains and channels on trafficked or pedestrianised deck areas. It forms an efficient means of controlling surface water and frees-up more surface area on the deck itself, while creating more headroom beneath it by eliminating the need for pipework at ceiling level, maximising available car park area.

Key benefits

- Load bearing system that can support standing traffic loads
- Optimises valuable deck space for car parking
- Water may be reused for irrigation, vehicle washing or in washrooms
- Frees up more car park space in retail developments to achieve maximum car park revenue
- Able to accommodate planning schemes directly into the deck providing integrated roof gardens



Storage and Re-use of Rainwater

Water capture and re-use is becoming an integral part of the sustainability agenda. Rainstream is a complete solution that allows architects, consultants and contractors to meet their objectives.

Storage

Offering all the functionality of large-scale, GRP sub surface tanking while minimising the cost and complications associated with conventional GRP solutions, Rainstream RXL is a bespoke, fully engineered product based on the same proven technology as our Ridgistor-XL large diameter pipe range. Its modular construction allows easy installation even in the most restricted locations and eliminates the need for special vehicles and equipment on-site.

Biomaster® Anti-microbial technology



Rainstream RXL incorporates an anti-microbial lining that resists the development of bacterial colonies on the tank wall. This helps reduce the risk of contamination from micro-organisms and helps to maintain water quality.

Control and conservation

Once installed, the Rainstream Advanced Control Unit (ACU) provides a simple way to control water resources with a one button stop/start operation and fully automated monitoring of water levels and demand. Its single box construction incorporates a mains water top up unit and duty standby booster pumps, so no additional services are required to top up tank levels during dry periods.

Cleaning and disinfection

Polypipe's Rainstream Titanium Disinfection system improves the quality of water in rainwater harvesting and re-use systems through a combination of UV light and titanium dioxide technology in a sustainable, non-chemical alternative to chlorine or chlorine dioxide.

Key benefits:

- **Easy installation** - Straightforward modular system.
 1. No concrete surround with RXL tanks.
 2. Advanced Control Unit (ACU) - simple one box control unit.
- **Sustainability** - Captured water can be re-used for irrigation, vehicle washing or toilet flushing.
- **Flexibility** - Wide range of above and below ground systems.
- **Versatility** - Bespoke manufacture to any storage capacity.

Education activities

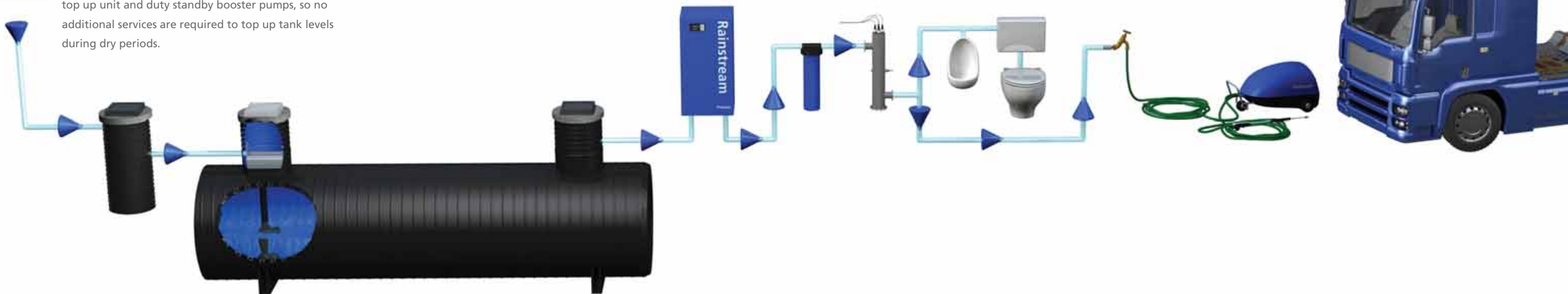
Sustainability and awareness of environmental issues are key areas that form the basis of modern school curriculums. Providing creative, innovative ways of teaching people about the issues facing the world is essential to developing their own opinions and responses. Polypipe Terrain have developed classroom materials for use at Key Stage 1 and 2 of the National Curriculum.

Key benefits:

- **Classroom information and activity** - Beginning by looking at how the world around us is changing, the guide moves on to illustrate how, where and when rainwater can be used to replace mains water.
- **Moving water activity pack** - Polypipe is pleased to introduce PAL (Play and Learn), the newest addition to your school. PAL is packed with hours of learning fun in the form of Polypipe's Moving Water Activity Pack.
- **Online content** - Rainstream Classroom includes access to an online library of teaching aids and information.
- **Rainstream Monitor** - Installing a Polypipe Rainstream Monitor, available separately, encourages users to monitor the water usage in their building.



For more information on education programmes please call 01622 795200.



Water Supply Systems

Our range of proven pressure pipe solutions allows for the safe and effective transport of water, waste and industrial fluids and works seamlessly with Polypipe's water distribution systems.



This proven pipe system is suited to a wide range of supply applications in commercial and industrial projects. Available in a choice of PVCu or ABS, Effast systems are quickly and easily assembled using either solvent cement jointing or mechanical installation. An extensive range of pipes, fittings and valves makes them extremely versatile, while a full set of adaptors allows them to be integrated with traditional pipe systems. All Effast products are WRAS approved for use with potable water and offer excellent chemical and corrosion resistance.

Effast PVCu

High chemical resistance and good flow characteristics make Effast PVCu the safe and secure choice for potable water and food products supply. It is especially well suited to water supply in high rise projects such as apartments, hotels and offices as well as waste water, coolant and industrial process applications.

Key benefits

- High abrasion resistance
- Operating temperature 0°C to +60°C subject to pressure requirements
- Installed with solvent cement or mechanical installation
- Suitable for mains water in high rise applications

Effast ABS

Effast ABS provides building designers with a light weight, rigid and easy to install solution for water supply across a range of project types. As ABS is completely non-toxic, it will preserve the purity of drinking water, food stuffs and beverages for added security and peace of mind. Effast ABS is also suitable for industrial process applications as well as water treatment and sewerage projects.

Key benefits

- Operating temperature -40°C to +60°C subject to pressure requirements
- Installed with solvent cement or mechanical installation
- High chemical resistance
- Suitable for mains water and chilled water applications



A robust pipe available in two pressure ranges, Terrain HPPE offers excellent impact resistance across the performance envelope. It is best suited for use in boosted cold water, chilled water and pressurised waste systems and can be specified as a fusion weld or mechanical installation.

Sizes

- SDR 17 (10 bar) 32mm to 1200mm
- SDR 11 (16 bar) 20mm to 630mm

Key benefits

- Operating temperature -40°C to +60°C subject to pressure requirements
- Excellent impact resistance
- Fusion weld or mechanical installation
- Full range of pipes and fittings
- Pre-fabrication service available



Water Distribution Systems for Every Application

In response to changing demands, Polypipe continues to innovate with a range of plastic plumbing systems that integrate flawlessly with our supply systems while satisfying every project specification and budget.

POLYPLUMB

The quick and permanent integrated plumbing solution, Polyplumb consists of durable polybutylene pipes and an easy push-fit connection. Suitable for cold and hot flow and central heating, Polyplumb has more than proved its worth over 30 years of use.

Key benefits

- Time efficient, no nonsense one step joint process
- High performance stainless steel grab ring ensures superb joint integrity
- Demountable only by dis-assembling, reducing potential for tampering
- The original Polypipe pushfit plumbing system used and relied on by customers throughout the world
- Standards Manufacturing Quality Assurance - in accordance with BS EN ISO 9002 (BSI registered firm Certificate FM00318)
- British Standard - Class 5 rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2
- BBA - Polyplumb Polybutylene barrier pipe, fittings and accessories are covered by BBA Certificate No 00/3699



POLYFIT

When you need an easily installed and equally easily demounted system, Polyfit is it. Combining with white polybutylene pipe in a truly flexible, yet highly secure solution, Polyfit's 'push-click' jointing is simple and highly efficient. Furthermore, Polyfit systems can be easily demounted and re-used if required.

Key benefits

- One step operation, for quick and easy installation
- Flexible polybutylene pipe, for even the most difficult locations
- Fittings lock tight, preventing accidental release
- Fully demountable and re-usable when required
- Standards Manufacturing Quality Assurance - in accordance with BS EN ISO 9002 (BSI registered firm Certificate FM00318)
- British Standard - Class 5 rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2



POLYSURE

A complete range of radial press fit fittings, and the first available in UK sizes, for use with Polyplumb or Polyfit pipes. Polysure combines the benefits of flexible polybutylene pipe systems with the latest press fit connection technology. Polysure fittings are applied using a specialist pressing tool, to ensure the most secure and permanent fix, making it the ideal system for applicants where a tamper proof solution is required.

Key benefits

- Flexible plastic piping eases the installation process and speeds up time to install
- Press fit fittings reduce the risk of tampering, an important factor in some projects such as social housing projects
- Polysure provides an enhanced joint to pipes via a visual pipe socket depth indicator and double 'O' ring seal
- Mechanically pressed joints
- British Standard - Class 5 rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2

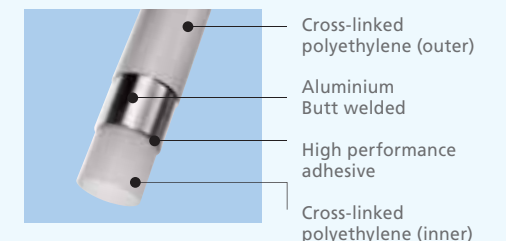


Polypress

Polypress integrates multi-layer composite pipe with robust press fittings in a single system. Designed to provide a flexible solution for hot and cold water supply as well as heating applications, it offers secure, simple jointing through a mechanical press technique for optimum joint integrity. The layer of aluminium within the Polypress pipe allows the installer to easily form the smaller diameter pipes by hand, whilst also retaining its rigidity when used for hot water applications.

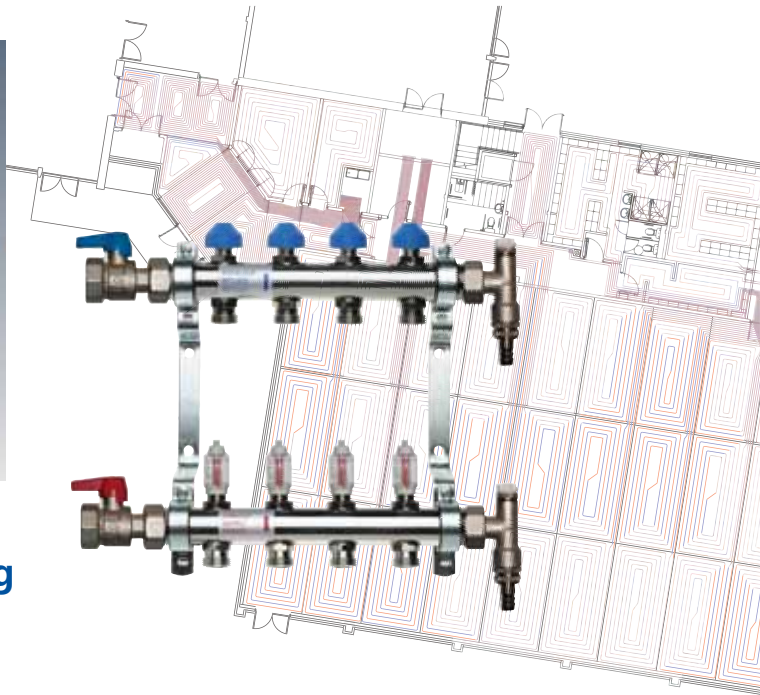
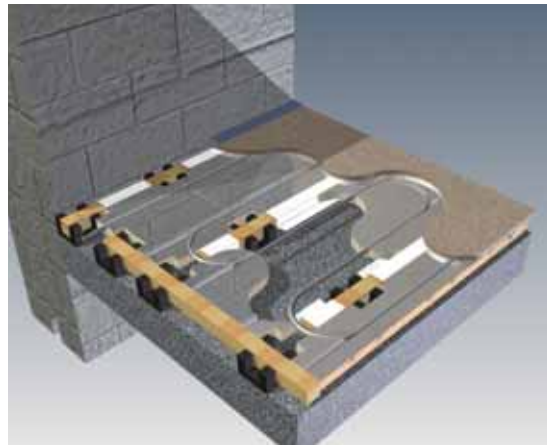
Key benefits

- Suitable for potable water, hot and cold plumbing and heating systems
- Light weight and easy to install
- Equivalent performance but more economical than copper
- Combines rigid pipe with flexible pipe in one system
- Mechanically pressed joints
- Intelligent product so bends stay in place
- Smooth inner bore prevents scale build-up
- Inherently stable



Heating and Ventilation

With regulations demanding increasingly energy efficient and sustainable buildings, more and more specifiers are turning to Polypipe Terrain heating and ventilation solutions for their low energy performance and space saving benefits.



Commercial Floor Heating

Energy efficient, reliable and unobtrusive, floor heating systems represent a sustainable and cost effective way to heat commercial buildings of all kinds. Operating at lower flow temperatures than conventional heating systems, they are more cost effective to run and help reduce a building's overall carbon footprint. It's that same low operating temperature that makes them ideal for use with modern heat sources such as high efficiency boilers, CHP, solar, thermal and heat pump technology.

Versatility and performance

Polypipe Terrain Commercial Floor Heating solutions are designed to deliver project specific requirements. This is achieved by working at early stages with consultants and architects to specify the appropriate floor heating system for each and every project. Systems from traditional solid floor solutions to a fully designed acoustic floor incorporating floor heating can all be offered. All can be delivered using a network of approved installers supported by in-house design and technical support teams.

Key benefits

- Low running costs
- Reduces CO₂
- System longevity & maintenance free
- Reduced lifetime cost of heating system
- Compatible with all floor types (solid floating, suspended, existing floors)
- Manifolds, water and room control
- Comprehensive design package

50 Year Guarantee

All Polypipe commercial floor pipework is guaranteed against material or manufacturing defects for 50 years and carries the following quality assurance:

- BS EN ISO 9001-2000
- BBA & WRAS approvals
- British Standard Class 5 rated BS7291 Part 1
- Kitemark license number 38148 to BS7291 Part 2



Commercial Ventilation

Polypipe offers a wide range of high quality commercial ventilation systems that together provide energy-efficient performance, comfort and precise climate control. Taking a building-wide approach to ventilation solutions design, our integrated systems help developers meet the requirements of ever more demanding regulations while achieving a higher BREEAM rating for their project.

Our products

Polypipe Terrain products for commercial building ventilation include Mechanical Ventilation with Heat Recovery (MVHR) systems combining heat exchange technology with continuous building ventilation; Mechanical Extract Ventilation (MEV) offering a highly energy efficient method of constant, low level ventilation; and intermittent extraction fans for 'on-demand' rapid ventilation of areas. All our ventilation solutions are made even more effective by a complete range of control systems, ducting and insulation products.

Bespoke ventilation planning

As with all building systems design, the earlier you factor Polypipe Terrain into your project planning, the easier and more cost effective the end result. Our HVAC design team will be happy to work with you on ventilation solutions that meet your requirements and satisfies all the relevant building regulations.

Key benefits

- Our heat recovery appliances are SAP Appendix Q listed and Energy Saving Trust Compliant
- Helps achieve higher SAP and BREEAM ratings
- Our MEV appliances provide discreet constant low level ventilation and are simple to operate
- Our Intermittent Extract Fans provide rapid local extraction

Leaders in Service, Support and Innovation

The Polypipe Terrain reputation for innovation is well earned. Through our technical expertise and commitment to research, we have consistently led the way with new products and services and ever more efficient solutions.



A history of success

The Terrain story stretches back over more than a century of excellence, encompassing landmark product launches that have changed the way the industry thinks about drainage, water management, supply, distribution, heating and ventilation.

Terrain firsts

Polypipe Terrain have pioneered the manufacture and use of plastic drainage in the UK and are proud to have been first in delivering a number of unique solutions.

- 1964 - First manufacturer of plastic drainage products in the UK
- First to manufacture an asymmetrical 4-way boss branch
- First manufacturer to offer Pre-Fabrication service
- First manufacturer to offer 4 hour fire rating for pipe protection in both the upward and downward vertical planes of the system
- First to offer a self locking boss
- First to offer space saving products e.g. Triple boss
- First UK manufacturer of HDPE drainage pipe
- First to design the variable bend
- First to design and patent a two part 68mm rotating rainwater drain access pipe
- First to make a back to back strap on boss product
- First to develop the 190 thermo limiter bracket range



Manufacturer of the Year 2010

We are proud of our achievements at Polypipe Terrain, none more so than winning Building Manufacturer of the year 2010, reflecting our success in supplying all of the Olympic projects and our overseas expansion.

Ask the experts

To help you design, select and install your products professionally our experts are available to provide technical support at the end of a telephone along with on-site training across our product range. A range of brochures, trade price lists, technical manuals and installation guides are available. For more information or to request literature see our contact information on the back cover of this brochure.

Research and development

Polypipe Terrain has dedicated and unrivalled research and development facilities setting the highest standards in the industry. In the last decade we have invested heavily in laboratory facilities. Our laboratories allow product development and certification testing to be undertaken in-house therefore shortening time to market and maximising product benefits for our customers.

Quality control

We pride ourselves in providing a consistently high level of product quality. Where possible all of our products and processes are covered by independent third party accreditation, including BSI to ISO 9001 : 2000. Polypipe Terrain have several laboratories in action 24 hours a day and a fully equipped modern materials laboratory for development and analysis.

Training and professional development

Centre of Excellence

Polypipe Terrain is dedicated to supporting the Continued Professional Development of its staff, partners and customers. At our Centre of Excellence in Aylesford, Kent, we maintain a fully equipped product demonstration and training facility to provide live product showcases, seminars and hands on learning covering every aspect of the Polypipe Terrain product range and its applications. At the heart of this facility is a specially designed 'hydraulic tower' that allows us to highlight examples of good and bad installation practice with the help of transparent piping to give a clear picture of the flow dynamics at work.

Modular training programme

Polypipe Terrain have developed a modular training programme to enable learners to navigate the extensive library answering questions from simple product queries to more detailed application/installation enquiries.

CPD

Polypipe Terrain continue to work with organisations such as RIBA to develop appropriate training modules for the Continued Professional Development of their members.

For more information or to arrange your own training course, please call 01622 795200.



At the Heart of Innovative Building Design

Wherever you find unique and original thinking in commercial building design, you'll discover Polypipe Terrain products and solutions.

The following tables detail a number of commercial projects where our systems have been used.

PUBLIC SECTOR	
PROJECT	PRODUCTS/SOLUTIONS
LAW & AUTHORITY PROJECTS	
HUMBERSIDE POLICE HQ	
FEATHERSTONE PRISON	
LEWES PRISON	
SCHOOLS	
KINGSWOOD SCHOOL	
BIRMINGHAM BSF SCHEME	
FALMER ACADEMY	
MALTINGS ACADEMY	
COLLEGES & FURTHER EDUCATION	
UNIVERSITY OF GLASGOW	
ORWELL QUAY UNIVERSITY OF SUFFOLK	
ROYAL COLLEGE OF ART	
ST. ANDREWS UNIVERSITY	

PUBLIC SECTOR	
PROJECT	PRODUCTS/SOLUTIONS
SOCIAL HOUSING	
NEWHAM REFURBISHMENT	
THANET SOCIAL HOUSING	
BIRMINGHAM CITY COUNCIL	
COVENTRY, WHITE FRIARS HOUSING	
RENFREWSHIRE COUNCIL	
HOSPITALS & HEALTHCARE	
MANCHESTER ROYAL INFIRMARY	
LIVERPOOL WOMENS HOSPITAL	
ROYAL CHELSEA HOSPITAL	
CAERPHILLY HOSPITAL	
POLYCLINIC, STRATFORD	

In fact, almost every major commercial project in the UK utilises Polypipe Terrain systems for their efficiency, quality and ease of installation.

PRIVATE SECTOR	
PROJECT	PRODUCTS/SOLUTIONS
MULTI-OCCUPANCY RESIDENTIAL	
CASTLE HOUSE	
VAUXHALL TOWER	
ATHLETES VILLAGE, STRATFORD	
MANN ISLAND	
HOGWARTS	
OFFICES & RETAIL	
THE GHERKIN	
WESTFIELD, STRATFORD	
SPORTS & LEISURE	
OLYMPIC STADIUM	
VELODROME, STRATFORD	
LANCASHIRE CCC, OLD TRAFFORD	
WESTON PIER	
NATIONAL FOOTBALL CENTRE	

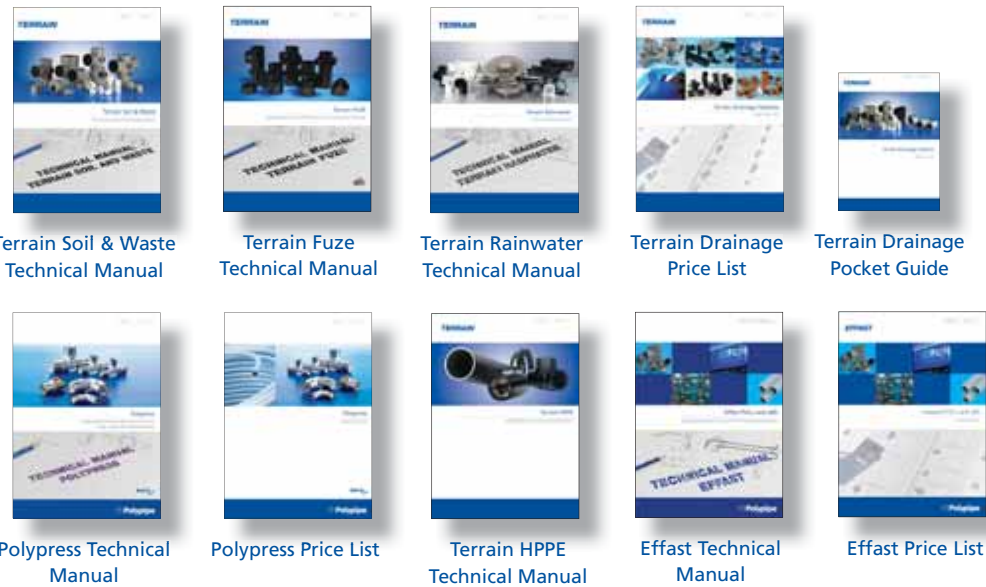
PRIVATE SECTOR	
PROJECT	PRODUCTS/SOLUTIONS
HOTELS	
WALDORF ASTORIA, SYON PARK	
HILTON, WEMBLEY	
THE BULGARI HOTEL, KNIGHTSBRIDGE	
INDUSTRIAL	
LESNEY TOY FACTORY	
TRANSPORT	
KINGS CROSS STATION	
ST. PANCRAS INTERNATIONAL STATION	
BOURNEMOUTH AIRPORT	

KEY

ABOVE GROUND DRAINAGE SYSTEMS	
ADVANCED DRAINAGE SYSTEMS - ACOUSTIC	
ADVANCED DRAINAGE SYSTEMS - FIRETRAP	
ADVANCED DRAINAGE SYSTEMS - FABRICATION	
RAINWATER MANAGEMENT & CONTROL SYSTEMS	
STORAGE & RE-USE OF RAINWATER	
WATER DISTRIBUTION	
WATER SUPPLY	
HEATING & VENTILATION	

Literature

Product Literature



Terrain Soil & Waste Technical Manual

Terrain Fuze Technical Manual

Terrain Rainwater Technical Manual

Terrain Drainage Price List

Terrain Drainage Pocket Guide

Polypress Technical Manual

Polypress Price List

Terrain HPPE Technical Manual

Effast Technical Manual

Effast Price List

All literature available at:
www.toolbox.polypipe.com



Market Sector Literature

Additional market sector literature is available please visit www.polypipe.com or contact the telephone numbers appearing under each brochure.

All literature available at:
www.toolbox.polypipe.com



Civils and Infrastructure
01509 615100

Residential
01709 770000

All descriptions and illustrations in this publication are intended for guidance only and shall not constitute a 'sale by description'. All dimensions given are nominal and Polypipe may modify and change the information, products and specifications from time to time for a variety of reasons, without prior notice. The information in this Brochure is provided 'as is' on October 2011. Updates will not be issued automatically. This information is not intended to have any legal effect, whether by way of advice, representation or warranty (express or implied). We accept no liability whatsoever (to the extent permitted by law) if you place any reliance on this publication you must do so at your own risk. All rights reserved. Copyright in this publication belongs to Polypipe and all such copyright may not be used, sold, copied or reproduced in whole or part in any manner in any media to any person without prior consent. Polypipe is a registered trademark of Polypipe. All Polypipe products are protected by Design Right under CDPA 1988. Copyright © 2011 Polypipe. All rights reserved.

Polypipe enabling sustainable building technology

Polypipe provides plastic piping systems that enable the effective installation and performance of sustainable building technology, meeting the twin global challenges of carbon reduction and water management

CARBON EFFICIENT SOLUTIONS 'SUSTAINABLE INDOOR ENVIRONMENTS'

Ever stricter building regulations and ever more environmentally conscious customers are driving the demand for greener building products and technologies. Polypipe fulfils that demand with a full range of systems that enable collection, transmission, emission and control in heating, ventilation and cooling systems.

WATER MANAGEMENT SOLUTIONS 'ROOF TO RIVER'

Offering a comprehensive range of standalone and modular SUDS products, rainwater harvesting and surface water treatment solutions plus legislative and technical support services, Polypipe Water Management Solutions address the surface water requirements of every construction and civil engineering project.

Sector Focus

Our product systems respond directly to sector-specific requirements thanks to focused technical and development teams with hands on expertise in the following areas

COMMERCIAL

Major commercial projects from car parks and high rise office blocks to hospitals, educational premises and shopping centres have all benefited from Polypipe's range of value engineered products and comprehensive service support.

RESIDENTIAL

Polypipe offers the broadest range of residential product and service solutions for both new build and RMI applications, as well as innovative solutions in response to legislative and industry targets for more sustainable housing.

CIVILS AND INFRASTRUCTURE

Delivering performance and sustainability, Polypipe's surface water drainage and cable management systems, supported by our in-house fabrications team, offer civils and infrastructure project planners a complete suite of solutions.

Commercial



Polypipe Gulf FZ LLC

Dubai Media City
Loft Office No. 03
Entrance A, 4th Floor
Office no. 404
P.O. Box 502320
Dubai
United Arab Emirates
Tel: +971 (0) 4 454 8328
Email: international@polypipe.com
www.polypipegulf.com

Polypipe Terrain

New Hythe Business Park
College Road
Aylesford
Kent
ME20 7PJ
Tel: 01622 795200
Fax: 01622 716796
Email: enquiries@polypipe.com
www.terraindrainage.com



Printed on 100% recyclable chlorine-free paper. All inks used on this brochure are vegetable based.