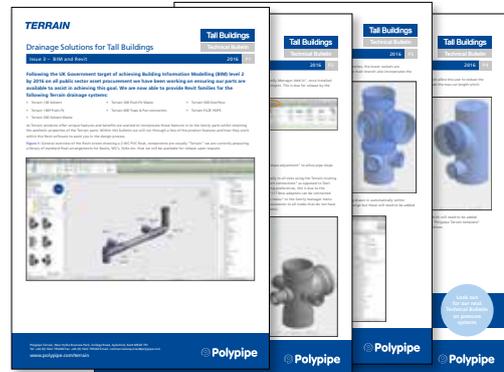


With over 50 years' experience, Polypipe Terrain understands the challenges of designing tall buildings and the added complexity of creating enough space to manage water without compromising on design. That's why over the course of the year we have been working to bring you information about our products and solutions and how they can be encompassed into your commercial or public building.

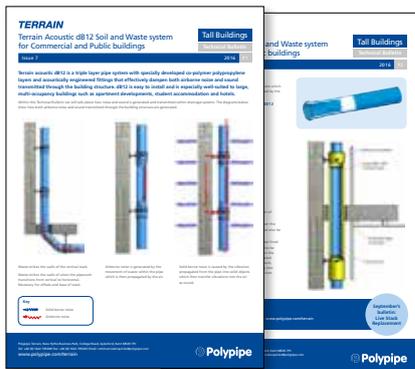
Within the course of this bulletin we will go over the subjects which have been covered and if you have missed any or wish to look at our archive then please visit www.polypipe.com/terrain-technical-bulletins



Terrain Revit Families

Following the UK Government target of achieving Building Information Modelling (BIM) level 2 by 2016 on all public sector asset procurement we have been working on ensuring our parts are available to assist in achieving this goal. We are now able to provide Revit families for the following Terrain drainage systems:

- Terrain 100 Solvent
- Terrain 100P Push-Fit
- Terrain 200 Solvent Waste
- Terrain 300 Push-Fit Waste
- Terrain 400 Traps & Pan connectors
- Terrain 500 Overflow
- Terrain FUZE HDPE



Terrain Acoustic dB12

Terrain acoustic dB12 is a 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. dB12 is easy to install and is especially well-suited to large, multi-occupancy buildings such as apartment developments, student accommodation and hotels.



Terrain FUZE HDPE

Terrain FUZE HDPE is a high performance, modern drainage system which has been used on a wide range of prestigious tall buildings. It's manufactured from high density polyethylene (HDPE) so has strong abrasion, chemical and temperature resistance. Terrain FUZE can be jointed in a number of different ways including:

- Butt welding
- Electrofusion welding
- Expansion and ring seal sockets
- Flanged joints
- Compression joints
- Threaded connections



Terrain P.A.P.A. and Pleura Valves

The Terrain P.A.P.A. and Pleura Vent System by Studor eliminates the need for a traditional piped secondary vent system, meaning that there's no need for vent penetrations in the slab and drastically reducing the requirement for vent penetrations through the roof. By removing the secondary ventilation pipework, our system introduces air regulators to balance negative air pressure fluctuations and an air attenuator to balance positive air pressures. Together, they form a highly effective alternative solution for controlling the air movement within the drainage pipework system and protecting the water trap seals of appliances.

Fire Compartmentalisation

As a plastic drainage system passes through any floor, wall or ceiling it is a requirement as part of local fire regulations and Building Regulations Part B to restrict the movement of fire from one room to another. As part of the on-going development of Terrain drainage systems, we have developed a comprehensive range of passive fire protection products for use with Terrain PVC soil and waste, Terrain FUZE and Terrain Acoustic dB12. These products will enable secure specification of Terrain drainage systems with the confidence of conforming to the requirements of Part B Building Regulations. In addition, all products have been tested to and comply with BS 476 Part 20 and BS EN 1366-3.



Effast

Polypipe's range of plastic pressure systems offer a fast and reliable solution to the challenges presented by the requirements of modern supply systems. The 4 materials available within the range are PVCu, ABS, Polypropylene and PE100 as well as having an extensive range of clamp saddles. By having the ranges available in different materials with different jointing techniques, operating temperatures and chemical resistance, we are able to offer specifiers and installers to design and install with both flexibility and integrity.

Permavoid

With increasing urbanisation of already crowded towns and cities, and the effects of climate change on rainwater intensity, we need to look to more sustainable ways of managing the flow of rainwater. Traditionally, rainwater is collected and removed from roofs and podiums as quickly as possible, and held in below ground attenuation tanks before being pumped to storm water sewer. By using roofs and podiums to temporarily attenuate rainwater and releasing it at a controlled flow rate. The available space can then be used to generate revenue as a rentable space, or increased car parking within the footprint of the building.



Terrain Fabrication Service

For over 40 years the Terrain Fabrication Service has been at the forefront of providing drainage solutions. From unique one-off fittings to complete fabricated drainage stacks, we have the expertise to overcome the challenges found within construction sites in the UK. Whether you require Fabricated drainage stacks or Unique fittings including low level manifolds we have the solution with additional benefits such as simple on-site connections, reducing installation time, labour and on-site waste.

Terrain Live Stack Replacement

When you have issues with drainage systems in a typical high rise building which is occupied it can be of great expense to temporarily rehouse the occupants whilst the issue is resolved. In the most severe of cases, the entire soil stack may need to be replaced. By utilising the benefits of the Terrain Fabrication Service we can help. By working closely with contractors we can provide fabricated soil stacks which will drastically improve the time it takes to replace the problematic stack. When replacing soil stacks we offer a number of modern plastic alternatives to traditional materials. Terrain PVC, Terrain Acoustic dB12 and Terrain FUZE HDPE.



Contact Us

to find out how we can further help with your tall building project.

Look out for our next Bulletin coming January 2017