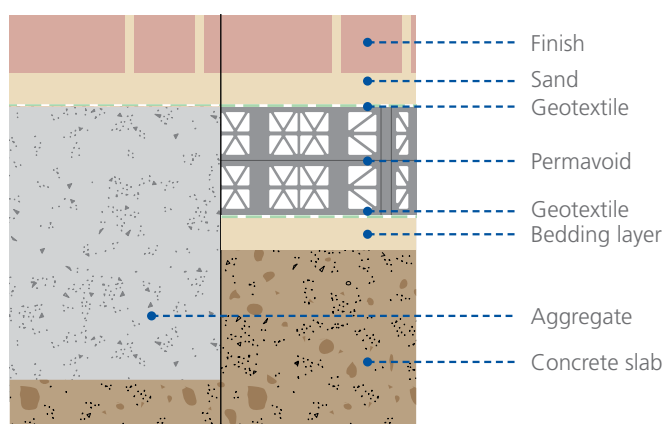


The Permavoid System from Polypipe is designed to be used in place of or in conjunction with a traditional aggregate sub-base. Providing a unique high strength, consistent structural raft with all the benefits of a high voided modular geocellular structure.



Typical Permavoid Sub-Base Replacement System v Traditional Aggregate Sub-Base

Permavoid comprises high strength recycled Polypropylene modular cells that, when connected together, can reduce the build up on podiums and roofs while providing structural integrity and high storage capacity for attenuation and/or re-use requirements.

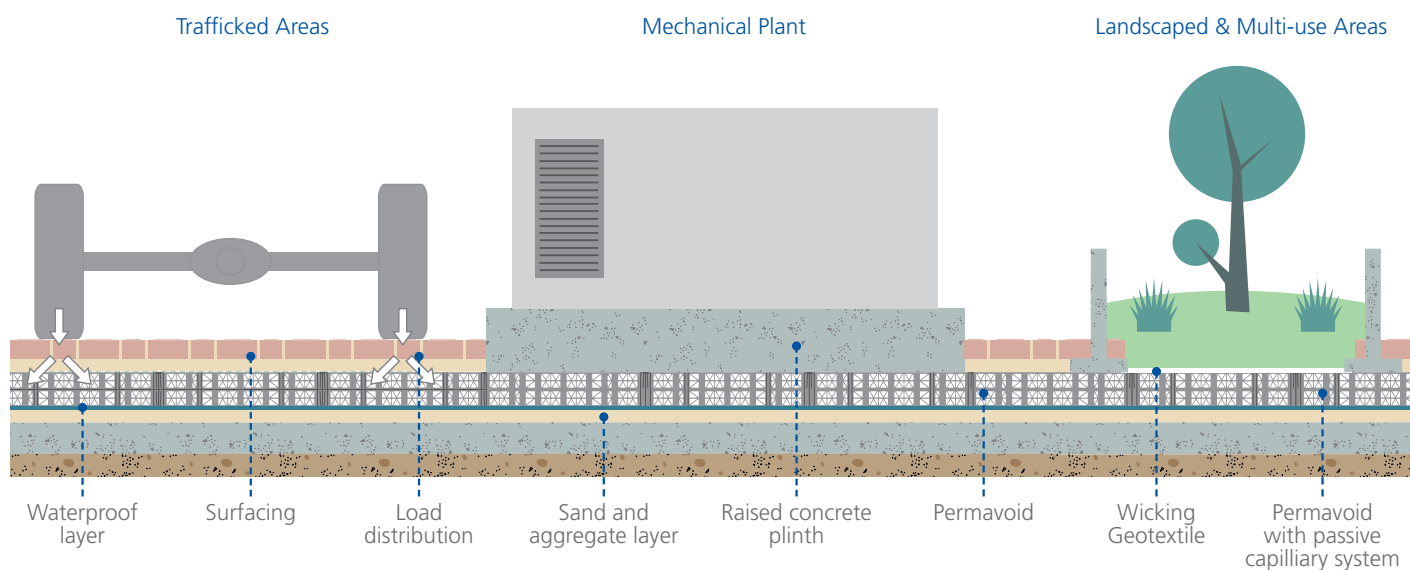


Permavoid has a unique tapered jointing system that creates an interlocking raft. The raft transfers tensile stresses giving it exceptional strength that can support vertical loads in:

- Internal and external car parks
- Landscaped areas
 - Permeable
 - Non-permeable
- Mechanical plant areas
- Podium service yards

Permavoid Podium and Roof interception systems comply with the latest CIRIA guidance on water sensitive urban design and on the structural design of geocellular attenuation and retention tanks.

The Permavoid system can be incorporated into numerous podium and roof applications.



Traffic Conditions from:

- Roof/podium and basement car parks
- Podium Service yards
- Roof and podium maintenance access routes

Raised Plinth

Mechanical Plant areas allowing rainwater to flow to Terrain interceptor rainwater outlets and mitigating standing water on roof/podium levels.

Suitable for:

- Green, Brown or Blue Roofs
- Roof Gardens
- Leisure and sport roofs and podiums
- Agri roofs or podiums

The Permavoid system incorporates a high vertical compressive strength of 715 KN/m² and lateral compressive strength of 156 KN/m² complying with the requirements of BS7533-13.



Contact Us

to find out about our Technical Workshop

Look out for the next Polypipe Terrain Water Management Solutions Technical Bulletin coming soon