Applications
Permaceptor is used for stormwater collection, interception and the treatment of associated pollutants. The system comprises Permavoid and Permavoid Biomat units located to collect surface water run-off from sub-catchments of predominantly impervious or pervious pavements via Polypipe Ridgigully and Midigully. Permaceptor is suitable for use in a range of applications including residential, industrial estates, car parks and basements.

Key Benefits
- Gravity separation of oils and silts at source
- Accidental/catastrophic spills recoverable at source
- Trapped effluent naturally treated by aerobic digestion
- Can enhance the water quality and eliminate the need for end of line petrol/oil interceptors
- The system complies with the regulations of the treatment train criteria in a SuDS scheme as defined in the PPG3
- 100% recyclable
- Units are manufactured from 90% recycled polypropylene (PP)

Performance
The structural load bearing capacity of the Permavoid units have been tested in accordance with the following European Standard: BS 7533-13:2009. The system's structural design life expectancy, based upon creep test data (tested in accordance with CIRIA guidelines) is as follows; for lightly loaded areas such as car parks a design life of 50 years is achievable. For areas with prolonged HGV loading a typical design life may only be 25 years, depending on the design of the pavement surfacing and structural layers over the tank.

Installation
All calculations for Permaceptor units are based upon site-specific load cases, construction types and thickness, soil cover and ground conditions and the suitability must therefore be approved for each project.

Technical Support
Detailed guidance and assistance is available. For further information, please contact our Technical Team on +44 (0) 1509 615 100 or email civils@polypipe.com or visit www.polypipe.com/civils-technical-hub
Permaceptor can be utilised in these SuDS techniques

<table>
<thead>
<tr>
<th>TECHNIQUES</th>
<th>Blue-Green roofs</th>
<th>Podium Decks</th>
<th>Trees</th>
<th>Sports Pitches</th>
<th>Cycle Paths</th>
<th>Permeable Paving (sub base &amp; podium)</th>
<th>Bioretention &amp; Rain Gardens</th>
<th>Attenuation Storage Tanks</th>
<th>Infiltration</th>
<th>Swales</th>
<th>Filter Drains</th>
<th>Detention Basins</th>
<th>Ponds &amp; Wetlands</th>
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