



MATRIX Sewage Treatment Plants have been tested and certified to European Standard EN 12566-3 Performance Tests.

Tested and Certified to EN12566-3 EUROPEAN STANDARDS

Extremely efficient, reliable cost effective solution.



MATRIX

Single tank installation to minimise costs

Complete system can be manufactured to suit individual sites

Failure alarm systems as standard and not at additional cost

No mechanical or electrical parts within unit

Robust polypropylene construction for easy and cost effective installation

Low running and maintenance costs



Tested and Certified to European Standards






MATRIX

For any application, residential, commercial, industrial, where there is no access to a main sewer, the MATRIX sewage treatment plant provides an extremely efficient, reliable and cost effective solution to sewage disposal.

The MATRIX system is a single unit up to 300 person equivalent and a modular system for larger applications. With the implementation of mandatory legislation, the MATRIX treatment plant has undergone extensive independent testing in accordance with EN12566-3 making it fully compliant with new European Standards. It is important to note that the new standard relates to all units in the range from 6 person, (residential equivalent) and includes for process and structural testing, including installation in groundwater conditions.

The MATRIX sewage treatment system is designed to achieve the minimum required effluent quality standard of 20mg/litre Biochemical Oxygen Demand (BOD): 30 mg/litre Suspended solids (SS): 20mg/litre Ammoniacal Nitrogen (NH₄), which in European standard performance testing relates to an efficiency of better than 94%, the certified performance of the MATRIX system is that it produces an average final effluent quality of 11mg/litre Biochemical Oxygen Demand (BOD): 16mg/litre suspended solids (SS) and 7mg/litre Ammoniacal Nitrogen. This relates to an average efficiency ratio of 96.2%.



Process

The MATRIX treatment system is a three stage biological process contained within a single tank structure.

Careful configuration of the internal flowpath and the inclusion of non-mechanical recirculation systems ensure optimal performance, providing complete peace of mind for the end user.

There are no electrical or mechanical components within the treatment tank which negates the need for specialist servicing and ensures that maintenance on the system is kept to a minimum.