

Introduction to ACO StormBrixx® Range

ACO StormBrixx® is a unique, and patented, plastic geocellular stormwater management system. Designed for surface water infiltration and storage, its versatility allows it to be used in applications across all construction environments as a standalone solution or as part of a Water Sensitive Urban Design (WSUD).

What is ACO StormBrixx®?

Sustainable surface water management is becoming an integral part of most major planning applications. Consideration should be given to management of both quantity and quality of water discharged off-site, along with ongoing maintainability.

Plastic geocellular systems are a widely accepted method of creating retention, detention and infiltration tanks. They have been installed in a variety of applications for a number of years. A drawback of some types of systems is a lack of accessibility for maintenance.

ACO StormBrixx® addresses the ongoing maintenance requirements by providing 3D access for inspection and maintenance, while retaining the structural integrity of the installation.



The ACO StormBrixx® system



The ACO StormBrixx® system consists of a single, recyclable, polypropylene body that can be assembled in a variety of ways to form an open bonded structure.

ACO StormBrixx® has a unique pillar structure that gives a high void ratio of 95 to 97 percent. This minimises excavation required to achieve a specified storage capacity, reduces the aggregate needed for backfilling and improves the flow characteristics of runoff through the tank.

Side panels are added to the perimeter of the system for lateral support, and top covers are added to ensure consistent vertical support for cover fill material.

ACO StormBrixx® benefits from a patented cell brick and cross bonding feature, which provides unparalleled stability in the construction of the tank. Where brickbonding is not used, or for multilayered tank structures, connectors are available to support the integrity of the structure.

Additional accessories available include inspection point and pipe connectors, as well as a range of chambers for inspection and maintenance.

ACO StormBrixx® can be configured to minimise silt accumulation and can accommodate a sediment bay or silt trap facility, ensuring the system can be properly maintained throughout its life.