



# Agri-Tank

The Concrete Solution



# Safe. Practical. Affordable.



## **THE SAFE AND EFFECTIVE SLURRY STORE**

### The Agri-Tank at a Glance

The Agri-Tank is designed to meet all your slurry storage requirements. Available in a range of sizes, our standard product range offers wall heights of 3,4,5, and 6 metres, with diameters from 4.6 to 50+ metres. Other sizes are available on request.

### Primary Features of the Agri-Tank

- 50 years design life
- Above or below ground installations
- Capacities ranging from 40,000 to 1,500,000 gallons
- No maintenance highly durable EPDM jointing gasket
- Rapid installation, typically 1-2 days
- Openings in panels to accommodate inlets, outlets or through the wall mixers
- Embedded steel tendons, protected against corrosion and other physical damage
- 100% leak free
- Minimal environmental impact

The new Nitrates directive means farmers require a safe, economical and effective slurry storage solution. The Agri-Tank from A·Consult meets all the Nitrate Vulnerable Zones (NVZ's) legislation and is compliant to all European Standards.

The Agri-Tank is one of the products offered by A·Consult who are the market leaders in the Design, Manufacture and Installation of Precast Concrete Storage Tanks.

The tank is constructed from extremely durable precast concrete panels and unlike most other slurry storage systems should require no repairs or remedials for the duration of its service life.

If at any time in the future circumstance or Legislation requires slurry stores to be covered, then the Agri-Tank is well equipped, requiring no additional strengthening fabric covers can be post installed onto all models of Agri-Tank. This can also be applied to single or double membrane covers used for gas collection, should at any time in the future Biogas become a consideration.

### Minimal Environmental Impact

Thanks to its unique construction and attractive concrete surface and structure, Agri-Tank blends naturally into the landscape. Available in standard grey concrete, coloured concrete panels or exposed aggregate finish the Agri-Tank can be installed partially below ground, or in certain circumstances completely below ground.



Above or below ground installation



Reinforced cast in-situ concrete base



Fast track installation



Maintenance free vertical seal



Robust Construction – internal high strength steel tendons



Tank installation period typically 1-2 days

## Ancillary Equipment

Ancillary equipment such as access ladders and platforms, as well as PVC covers can be attached and supported by the wall structure. In short Agri-Tank provides you with the complete solution for your total storage needs.

## Technical Features

The Agri-Tank is constructed using high specification concrete panels held together by a series of circumferential 7 wire PE-sheathed grease impregnated tendons. The tendon is coated in highly corrosion-resistant grease conforming to the recommendations of both the American Post Tensioning Institute and the FIB.

The PE-Sheeting is formed by the continuous hot extrusion of high density polyethylene or polypropylene to a minimum radial thickness of between 1.00mm and

2.00mm, again conforming to recommendations of both the American Post Tensioning Institute and the FIB.

Seals between each precast panel are made using our patented EPDM compound that when erected form a gasket between the panels and eliminate the risk of leakage.

Any storage tank will be subject to movements, these can be caused by high or low internal pressure from a full or empty tank, our EPDM seal has elastic qualities, which absorb any movement and provide further protection from different earth pressures or all year round weather conditions.

Our EPDM is extremely tough and retains its elasticity even when constantly subjected to ammonia and ultraviolet light.



# The solution to your problem.



## About A·Consult

A·Consult specialise in providing solutions for the storage and handling of liquids in the Agricultural and Water Industries.

Established in 1986 we have successfully installed over 6,000 tanks throughout the United Kingdom and Europe.

### Hugh McClymont

Farm Manager, Scottish Agricultural College

*"The robust construction of the Agri-Tank allows the structure to be back filled, which in turn enabled us to locate both our tanks at optimum locations on the farm."*

### Robert Barrow

Helm Farm, Appleby

*"Competitive when compared to steel tanks but with twice the design life - I am looking forward to 50 years maintenance-free slurry storage."*

### Richard Ford

Maythorne Farm

*"Speed of construction was impressive, top quality product."*