

PRODUCT INNOVATIONS

TANK *storage systems*

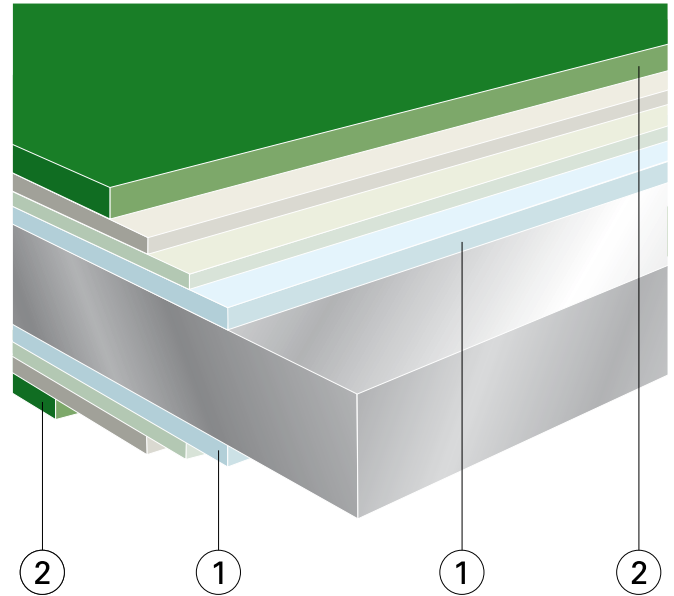
for manure and sludge



TANK storage systems for manure and sludge

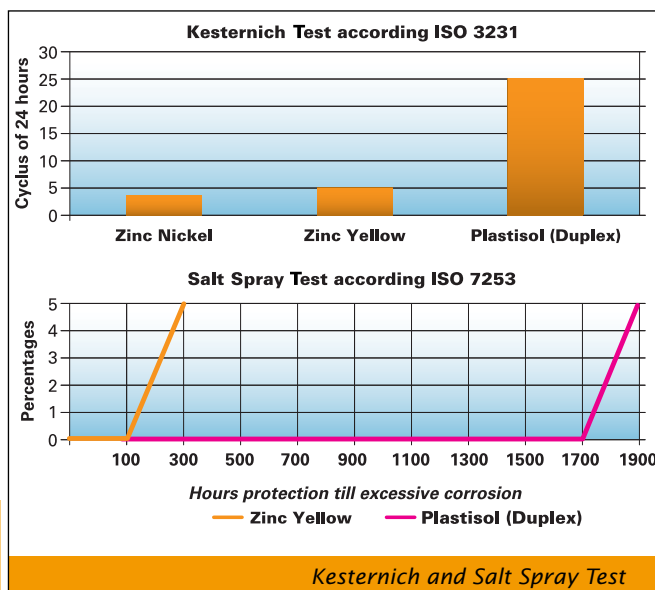
Manure storage can be a problem particularly as the effluent decomposes to produce aggressive and noxious gases. Our manure storage systems offer proven solutions.

The tank is constructed from curved, Duplex coated, corrugated steel sheets that are bolted together to form a cylinder. A tailor made PVC liner fits inside the steel shell to create a seal. The tank can either be covered with a floating cover or completely covered by a unique 'AIRtop' system. The construction is approved to Dutch KIWA Institute and German Profbescheid standards as well as to BS 5502 Part 50.



Duplex coating

The steel tank panels are continuous galvanised to BS EN 10142(G275) and covered in a vinyl thermoplastic 'Plastisol' coating to a thickness of 200 µm. This provides excellent corrosion resistance proven by adherence to BSEN ISO 7253 (2001) (Salt Spray Test) and BS ISO 3231 (1998) (the Kesternich Test).



Ancillary items.

For a complete manure storage solution we can offer mixers, pumps valves and pipework, besides accessories for the tank itself such as Inspection platforms and ladders.

Other Items include:

- Loading and unloading chamber with tank inlet and outlet connections
- Leakage detection device
- Internal mixer/agitator and pump support system



Mixer shaft drive



Floating cover



Electric mixer

TANK storage systems features:

- A product design approved to the appropriate standards
- Modular storage system with capacity up to 2000 M³
- Optimum corrosion protection to the steel tank shell
- Proven life expectancy
- Environmentally pleasing green finish (RAL6009)
- Minimal tank maintenance due to the use of high quality materials
- Installation carried out by our own trained teams



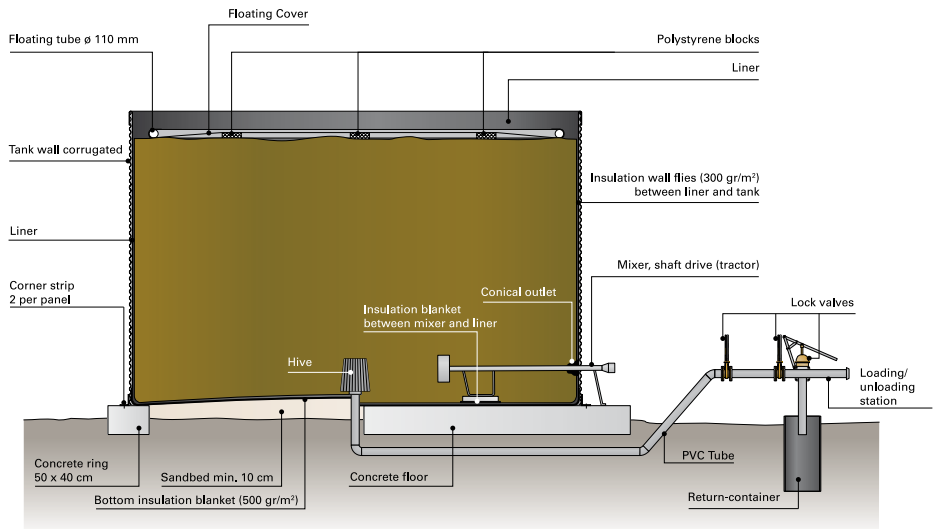
Manure tank

Our manure storage systems offer two roofing options:

Tank with floating cover

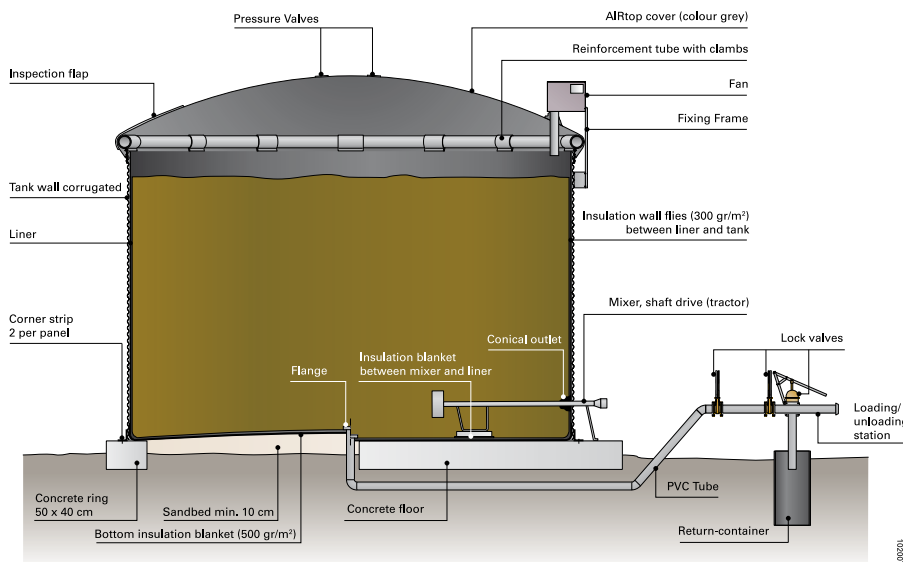
Tank with floating cover

Consists of a tank with corrugated panels as previously described with a 1.00 mm EPDM or PVC liner. The tank is covered with a floating cover of reinforced green PVC (850 g/m²) which is stretched over a frame of 110 mm HDPE pipes and polystyrene floats.



Important note: to avoid liner damage because of hard wind, a minimal level of 40 cm liquid is required!

Tank with AIRtop cover (air blown)



Tank with AIRtop cover

Whilst the tank construction is the same, the liner, made from 1.00 mm PVC is integral with the roof cover which as before is made from reinforced PVC.

A small centrifugal fan (50Hz - 140 Watts) creates a pressure inside the liner/roof combination of around 250 - 450 Pa depending upon the size and height of the tank. The inflated roof forms an aerodynamic shape which is wind resistant.

This tank is totally enclosed thereby preventing any odour pollution.



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