

Horticulture: Water reservoirs



Water reservoirs

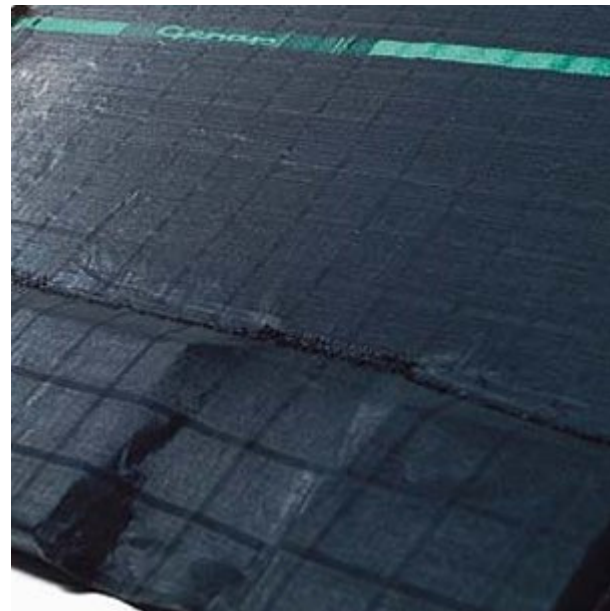
Genap provides a variety of liners for water reservoirs. Genap supplies ready-to-apply liners suited for every dimension. Genap als installs the liners.



Bank protection

Genatex 1000

Provides good protection against splashing damage on the inside of the bank due to the weight of the tiles. One can walk freely on the crown without damaging the foil underneath. The outside of the bank remains free of growth and insects. In short: the bank is maintenance free and will remain intact for a long time.



Conical outlets

These are made from the same material as the lining.

Further properties:

- pipe diameter from 32 to 500 mm, in four steps (>500 mm on request);
- ground sheet: 1.0 mm (for Aquatex® plus 0.5 mm);
- sleeve: 0.5 mm;
- angle between background: 45° to 90°.



A conical outlet as delivered by the factory. It consists of a ground sheet and a sleeve, which because of its conical form can be pulled tightly over the pipe. The material used is the same as that of the liner on to which the conical outlet is to be welded.

A conical outlet as it looks in practice. An opening has been cut in the liner. The ground sheet is welded underneath the liner material and the sleeve is pulled tightly over the pipe. Two layers of Genastrip are wound around a considerable length of the pipe - sleeve connection. A Genatape 'pressure bandage' is put over this. The complete assembly guarantees a water and drip proof connection.



Horticulture: Steel tanks

Genap tanks

Genap tanks are simple to assemble and easy to transport. Their long-lasting properties make them a worthwhile investment. These qualities have led to our tanks being installed across the globe.



Tank applications

- * rain and run-off water storage
- * industrial fluid retention
- * buffer retention in soil decontamination projects
- * temporary operating locations or material storage
- * non-invasive sand, pumice or compost filters
- * fish farm tanks and even a swimming pool!

Tank manufacture

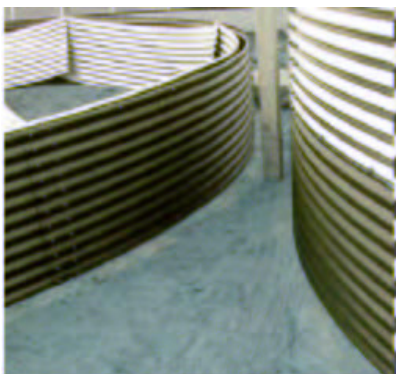
Galvanised steel sheets are slit from mother rolls, corrugated and punched. The corrugated sheets are then formed into the desired diameter on an automated production line. This flexible production system allows a wide range in available diameters. The most efficient solution is thus applicable for every usage.

Tank quality

The end product is thoroughly inspected. The entire production process adheres to ISO certification norms.

Tank installation

Genap provides easy-to-follow instructions allowing trouble-free tank installation. Off-standard heights can also be supplied on request.



Coated underplate for a longer lifetime.



Ground anchor for installation.

Tank specifications

The tank needs to adhere to specifications in terms of quality, shape maintenance and mechanical strength. The steel plates of the tank have a galvanised layer of minimum 10 µm per side (275 gr/m²) and a high tensile strength (S 280 GD) according to the DIN - EN 10147 norm. Our long-lasting tank support items are treated with a high grade Zincrolyte de-ionising coating which guarantees very high levels of corrosion resistance.

Coated tanks

The tank sheets are covered on both sides with a Plastisol coating, RAL 6009 (dark green) in 200 µm gauges. European saltspray and kesternich tests (DIN/ISO 3231/7253) confirm a very long lifetime exception.

Horticulture: Tank liners



Aquatex

A water retention system is only complete once a watertight tank liner has been installed. For tank liners Aquatex has proved its worth.

"Proved its worth" means that you can rest assured of your choice. Aquatex is a liner that has been specially developed for the horticultural industry. Because specifications vary by end-user a variety of grades are available.

Tank liners must always be manufactured to correspond precisely to the required dimensions.

Tank liners are available in three main material types:

Aquatex EX black, thickness 0.5 mm

High quality, suitable for storage of rain/clean water and recirculation water. Aquatex EX is exceptionally suitable for applications with high demands to temperature and UV- and high chemical resistance.

Aquatex PVC black, thickness 0.5 mm

Drinking water quality with KIWA-ATA-approval, suitable for storage of rain/clean water.

Aquatex PLUS grey, thickness 0.5 mm

Drinking water quality with a high UV resistance, especially developed for areas with high UV ratio's.

Tank liners can also be made of **Aquatex PVC 1.0 mm** and **Aquatex EX 1.0 mm**. Other materials are also available on request.



Polyester inner liner 300 gr/m²

For protection between steel tank and Aquatex liner. We also recommend to use this protection sheet on the bottom of the tank.

Horticulture: Material

Material / Property	Aquatex EX®	Aquatex® PVC	Aquatex® Plus	Fecatex®	Genatex® 1000	Vaporex®
Material	Polyolefine	PVC	PVC	PVC	PE fabric / monofil fabric	PVC
Thickness [mm]	0.5 - 1.0	0.5 - 1.0	0.5	1.0		0.25 - 0.30
Weight [gr/m²]	485 (0.5 mm)	650 (0.5 mm)	650	1300	190	320
Softening agent	No	Yes	Yes	Yes	No	Yes
Temp.resistance						
- Heat	++	+	+	+	++	+++
- Cold	++	+/-	+/-	+/-	++	+/-
U.V. resistance	+++	+	++	++	++	+/-
Chemical resistance	+++	+	+	++	++	+
Certification:						
- Kiwa (K519)		Yes		Yes		
- ATA (drinking water)		Yes				
- FDA	Yes					
Repair options:						
- Welding (dryer)	Yes	Yes	Yes	Yes	Stitching only	Yes
- Gluing	No	Yes	Yes	Yes		Yes
Application:	Water storage	Water storage	Water Storage	Slurry storage	Bankprotection	Steam.sheetl
Reservoirs	Yes	Yes	Yes	Yes	Yes	
Tank liners	Yes	Yes	Yes	Yes		
Rain water	Yes	Yes	Yes			
Recirculation water	Yes	No	No			
Max.tankheight outer [m]	5.06	3.38	3.38			
Max.tankheight inner [m]	5.06	5.06	5.06			
Tankheight > 5.06 m		On request				

Certification KIWA for drinking water and ISO9002