

HYDROCLICK
LINING FOR POTABLE WATER TANKS



agru

Worldwide Competence
in Plastics





„The access to a minimum of 20 litres of affordable clear water per day shall be a basic human right.“

Thomas Zeller | DEZA Switzerland

YOUR POTABLE WATER OUR COMPETENCE

Quality

Potable water is one of our world's necessities. The need for a good potable water supply is one of our biggest challenges.

Providing sufficient potable water is a key issue of our times, careful handling of our water reserves is a priority.

For more than 40 years AGRU has manufactured and supplied high-grade thermoplastic solutions for the transport and storage of valuable water resources.



The system

The HYDRO^{CLICK} system has been developed in cooperation with the Swiss company ETERTUB AG. This company has specialized in potable water applications from the tapping of springs to water storage for more than 30 years.

The material polyethylene is perfectly suited for this application due to the need for purity, mechanical strength and long life expectancy.

The HYDRO^{CLICK} design provides a fast and safe installation for both, new constructions and renovations.

The system consists of a sheet with click and distance studs on one side and the click profile. AGRU extrudes this sheet all in one process by calendaring technology.

CLICK!

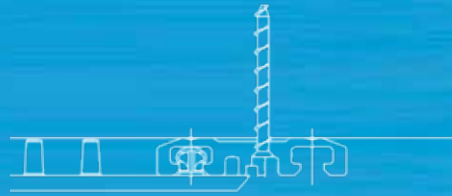
The click profile is aligned to the click studs of the sheet. The profile has a co-extruded electro-conductive layer which provides the counter electrode for discontinuity (holiday) testing. Therefore easy and fast control of the joint area after welding is granted.

HYDRO^{CLICK}

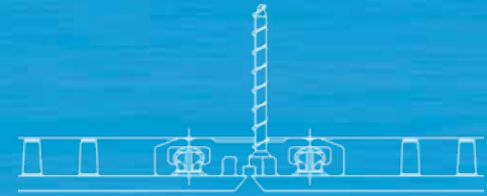
INNOVATIVE LINING SYSTEM

Benefits

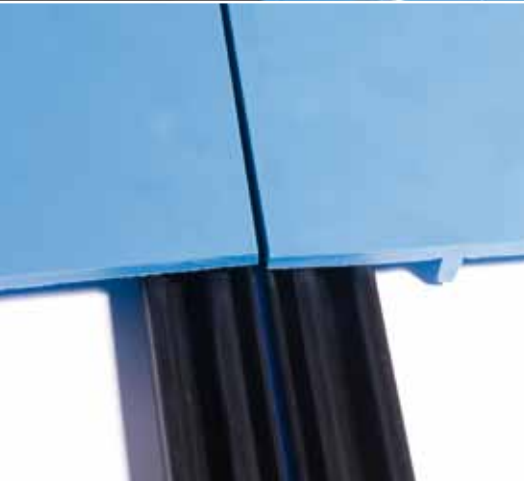
- Frost-proof
- Corrosion resistant
- Resistant to chlorination (up to 5 mg/l)
- Long life expectancy (>50 years)
- Complete leak control
- High surface quality, no deposits
- Easy to maintain and suitable for high-pressure cleaning
- Resistant to micro-organic corrosion



STEP 1



STEP 2



Step by step

Many reservoirs have been in use for many years. They deteriorate with time and do not pass the stringent quality requirements of today.

The HYDRO^{CLICK} lining system has been developed to solve these problems. It is suitable for new and retrofit installations.

INSTALLATION



STEP 1:

The click profiles are mechanically fixed to the concrete structure. This is done without preparation of the existing tank.

STEP 2:

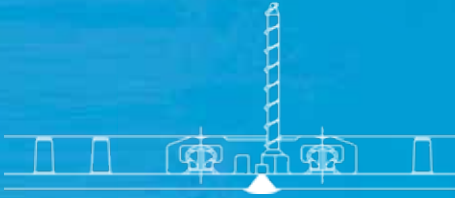
The HYDRO^{CLICK} sheets are clicked into the profiles.

STEP 3:

Extrusion welding is used to seal the joints, thus ensuring a guaranteed seal, thus ensuring a leak tight seal.

The HYDRO^{CLICK} system can be monitored in the service chamber continually, with no added cost to the customer.

The space between the liner and the wall ensures that no condensation will further deteriorate the concrete behind the liner.



STEP 3



HYDRO^{CLICK}

- Clean installation (pre-treatment of existing structure is not necessary)
- Short installation time
- Prefabrication of components is possible
- Completely sealed joints
- Low maintenance
- Inspection is simplified due to light-coloured surface
- Only small entry openings required
(to bring sheets into the tank)



The HYDRO⁺ system is well-proven. It has been used for years in new constructions and renovations.

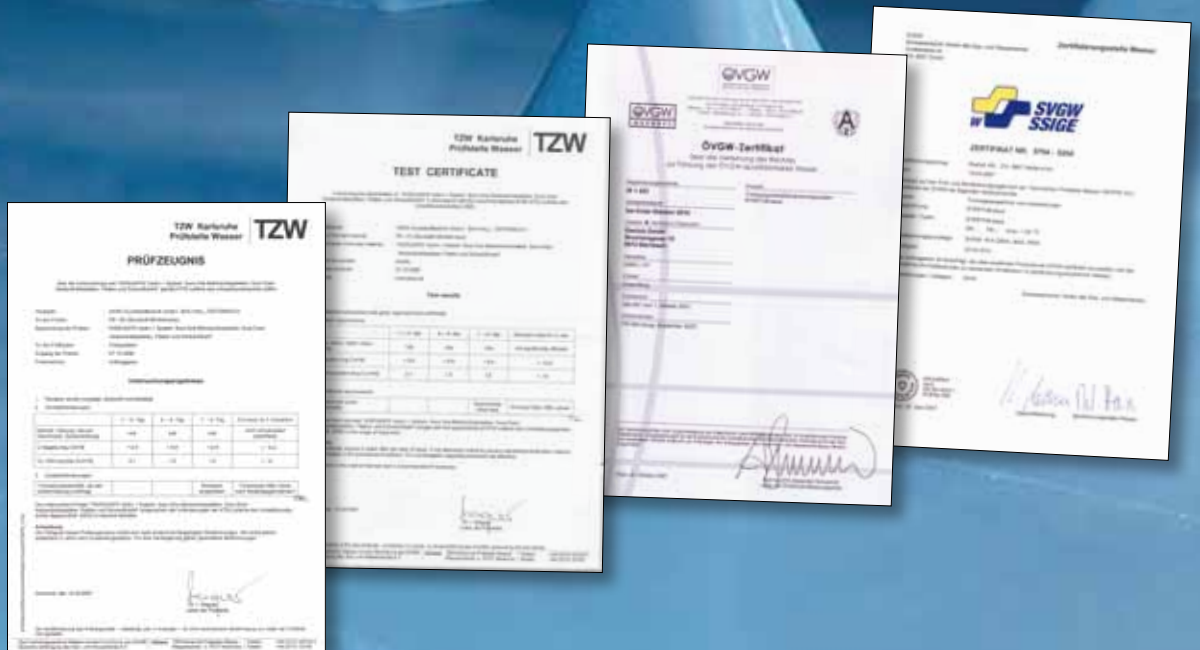
The HYDRO^{CLICK} system is a further development where experiences of fabricators, end users and experts have been implemented.

PERFECT LINING FOR POTABLE WATER TANKS

Fast and safe installation is guaranteed to have short shut-downs - independent from the building condition.

The life expectancy of 50 years and low maintenance result in cost-savings for the operator and the prompt availability of clean water.

APPROVALS





AGRUSAFE

Concrete protective liners

- High flexibility
- Excellent abrasion resistance
- Good chemical resistance



● CONCRETE PROTECTION

AGRUSAFE CONCRETE PROTECTIVE LINERS

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