



Potable Water Reservoir



ABOUT THIS PROJECT:		
Market Segment: Water Holding Structure	Owner/Developer: Kauno vandenys / Inti	Products Used: Xypex Concentrate
Location: Kaunas, Lithuania		

A drinking water tank with an area of approximately 2,000 m² was successfully waterproofed using XYPEX Concentrate crystalline waterproofing. The goal of this project was to provide long-term protection of the concrete structure against water infiltration, ensuring the tank remained completely safe for contact with drinking water.

One of the main advantages of this solution was that there was no need to fill the tank with water immediately, making the use of XYPEX Modified unnecessary. A single layer of XYPEX Concentrate was sufficient to create durable, non-toxic, and long-lasting protection against moisture.

XYPEX Concentrate works differently from conventional coatings or membranes. It is a cementitious compound applied to the concrete surface. Through a chemical reaction, its active ingredients penetrate deeply into the concrete structure. The resulting crystalline formation fills pores and capillaries, rendering the concrete impermeable to water from within.

This solution offers several unique benefits:

- **Reliable waterproofing:** long-term protection against water pressure from both the positive and negative sides.
- **Self-healing of cracks:** the crystalline structure seals cracks up to 0.5 mm, extending the lifespan of the structure.
- **Chemical resistance:** XYPEX protects concrete against aggressive chemicals commonly found in water or soil.
- **Safety:** the product is non-toxic and completely safe for use in tanks containing drinking water.

This project proved that using advanced crystalline technology can effectively solve even the most demanding waterproofing challenges. XYPEX Concentrate not only prevents water penetration but also significantly extends the service life of the structure. The tank is now ready for long-term operation, meeting all safety and reliability standards.

