

# INDUSTRIAL CASE STUDY

## SEWAGE PURIFYING TANK



### SITUATION

Sewage purifying tanks, like these from the Emek Hefer Region of Israel, are designed to purify waste water from the surrounding town. Waste water contains many harsh substances that slowly ingress into the walls and floor of the tank, degrading the metal and causing the sewage to leak and contaminate the groundwater. A solution was needed to provide a watertight barrier that could prevent the numerous chemicals and acids from seeping into ground water. The chosen application would have to offer a very quick turn-around to allow the water purification system to return to service with minimal disruption.



### SOLUTION

LINE-X XS-350 was selected because of its advanced chemical makeup which provides extreme chemical resistance, durability, and a seamless, watertight barrier. The creation of this seamless membrane is critical to prevent waste water from leaching out of the concrete tank and into clean groundwater. The high elongation qualities of XS-350 allows the membrane to bridge over small fractures in the current substrate which previously led to ingress from the waste water.

The tank was drained, and full preparation works were carried out prior to applying LINE-X's EPX Primer (as per manufactures instructions) and spraying a 3 mm coat of LINE-X XS-350 to the walls and floor. After the application had reached full cure, the tank was refilled.



### RESULTS

The General Manager of the Municipal Authority, and all his specialists, were astonished and delighted with the results of the LINE-X application. Thanks to the LINE-X watertight barrier, the company can better protect its groundwater, the local environment, and save on maintenance over the life of the tank.

**PROJECT OVERVIEW:** Sewage Purifying Tank, Emek Hefer, LINE-X Israel.

**PRODUCTS USED:** LINE-X XS-350; EPX Primer



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