

# INDUSTRIAL CASE STUDY

## BIODIESEL TANK LINING



### SITUATION

As the demand for biodiesel and other biofuels becomes more widespread, there will be a growing need to manufacture and store these fuels. Like with other fuel storage, certain precautions must be taken to ensure product longevity and purity. One of the critical functions of the storage tank is to prevent water or other contaminants from leaching into the biodiesel.

A biodiesel company in Europe was searching for a cost-effective means of preventing chemical corrosion within their 300 m<sup>2</sup> concrete biodiesel tank. The tank, and fuel inside, could face serious issues if not properly sealed.



### SOLUTION

LINE-X pure polyurea, XS-350 was chosen to seal the concrete tank and safeguard it against extreme environmental and chemical conditions. As a spray-on coating, LINE-X is ideal for covering porous surfaces like concrete. And thanks to a rapid cure time, LINE-X easily coats vertical walls and surface contours without seams or gaps, one continuous application.

Remedial works were carried out prior to spraying LINE-X, and the concrete was sandblasted and cleaned of any contaminants. Once the concrete tanks were in sound condition, a special primer was applied to the substrate to enhance the adhesion between the concrete and the LINE-X coating. Once cured, LINE-X XS-350 was applied to the primed concrete.



### RESULTS

LINE-X's pure polyurea technology and seamless watertight application created an impenetrable barrier between the concrete tank and moisture outside. With a solid seal against leaks, the concrete tank is ready for a long life of service. The biodiesel company has added LINE-X to several more storage tanks.

**PROJECT OVERVIEW:** Chemical Resistant Tank Lining For Biodiesel Company

**PRODUCTS USED:** LINE-X XS-350; Master Top P-617 Primer

**CASE STUDY PROVIDED BY:** LINE-X Levante - Spain



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