

CASE HISTORY

Clean Venture

The Challenge: The concrete in this containment pit was deteriorating at an alarming rate, exposing rebar and aggregate. This resulted from the daily use and abuse of this area, as well as high levels of corrosive chemicals. ESPOSITO LLC was chosen to rectify this problem.



The Solution: ESPOSITO LLC's mission was to install a high grade vinyl ester chemical resistant lining systems that would hold up to the usage demands and most importantly the corrosive chemical exposures. To begin, ESPOSITO LLC removed all of the deteriorated concrete and exposed re-bar.



After the floor and walls are mechanically prepared, a vinyl ester primer system is applied that penetrates and reduces porosity in the concrete. Following the primer, a 30 mil vinyl ester base system is applied, re-enforced with 3 ft. wide fiberglass sheeting to reinforce the system to resist stress fractures.



A saturant is then applied over the re-enforced fiberglass and a heavy grade texture is broadcast into the saturant, creating a highly cross linked vinyl ester base. A 15 mil vinyl ester top coat is applied to the surface to create a hard wearing, chemical resistant coating system. The result was a durable, abrasion resistant lining system that will perform under the most strenuous of any environmental requirements.