

Case Study: Veolia Solvent Recycling Facility

Veolia Environmental Services facility in West Carrollton, OH recycles industrial solvents. About 24 years ago it was coated with Milamar's ICO Super Guard, ¼" and they were pleased with how well the coatings performed standing up to the harsh chemicals (chlorinated solvents) that were present. A recent fire at the facility destroyed the solvent recovery portion of the plant and led to a complete rebuild of the inside processing and outside containment areas.

Drew Kistner knew the General Contractor, Dryden Builders, who was bidding the structural part of the project to Veolia. Drew informed them of our original role over 20 years ago and we were brought in as a competitive bid to Carboline. Working closely with Shane and Chris Reynolds of FlorLine, a detailed bid was submitted and eventually accepted by Veolia.



The project consisted of approximately 40,000 sq. ft. of ¼" Super Guard troweled floors with a 1" spoon cove. Wall protection included filling all bug-holes with ICO Gel, then two coats of ICO Hi Guard Coating GF @ 20 mils/coat, and an 8-10mil top coat of ICO Super Guard Coating. In addition over 5,000 sq. ft. of vertical tank pads and tank support legs were coated with the same system. One truck parking sump area was also coated with 1/8" ICO Hi Guard Liner with ICO Super Guard Coating.

This was a very difficult and demanding installation for several reasons. With 50°F minimum application temperatures, FlorLine had to contend with scheduling around temperature variations, particularly as the project extended late into the year. This required tenting some areas, and providing heating blankets to new flooring work. The walls had extensive bug-holes, resulting in significantly more gelling than originally anticipated. A rainy construction season resulted in frequent pumping of water out of the containment areas, with little time left to dry the slab before application. Lastly direct exposure to sunshine forced crews to apply later in day after air temperatures were receding to reduce outgassing.



A very challenging project, indeed, but FlorLine had met the challenges and completed the job. Congratulations to FlorLine and Drew Kistner for outstanding teamwork and a job well done.