Milamar Coatings, L.L.C.
A CASS Polymers Company

Case Study: Enterprise Transport

Enterprise Transportation is one of the top ten largest tank truck companies with 28 terminals in the US. They haul over a thousand different products in their stainless steel tanker trucks that range from food grade materials to industrial chemicals.

Bruce Parker, Director of Maintenance and Mike Leggio Terminal Manager of the Gulfport, TX terminal were experiencing failure with their current floor coating after only two years and the walls of the sump for the trench drain had collapsed. They were also concerned for the safety of their employees because the floor had very little traction and would get slippery when wet. The trucks are washed with a cleaner, which is determined by what they are carrying and then rinsed with hot water inside and out. The strong cleaners as well as corrosive materials hauled in the trucks in combination with the abrasion from the dirt and gravel tracked in from the parking lot were attacking their floors. The current coating was too thin and was not installed properly for the conditions. They had met Bert Downing of Milamar Coatings when he spoke at the Assoc. of Haulers national convention and decided to give him a call.

Bert brought in Tom Burk and Rick Jones of Plant Maintenance Services, certified contractors out of Houston, TX to help fix the problems. The first step was to thoroughly remove the old coating and clean the floor; this was done with a combination grinding, pressure washing and shot blasting. All joints and cracks were routed out to remove failing joint fillers and coatings then they were saw cut.

Outside perimeter edges were saw cut and keyed. The wall that had collapsed was removed and a fiberglass sump was prefabricated by the contractor then set in place. The top edge flange was sealed with ICO-Hi Guard and reinforced with fiberglass fabric. After all detail work was done a coat of ICO-Primer LV was applied and allowed to dry tack free. Then dark gray ICO- Hi Guard was applied using a slurry/broadcast method to achieve a ¼" total thickness. ICO- High Guard was chosen because of its excellent chemical resistance and ability to stand up to thermal and mechanical shock. The job was done over two weekends with each session starting Friday evening and ending Sunday afternoon with traffic resuming first thing Monday morning. The end result was exactly what Bruce and Mike were looking for - a durable floor that could withstand the harsh conditions and remain safe for their employees to walk on when wet.