

Application Profile

- Project:** Schlumberger Loading / Offloading Pit, Longview, Texas
- Project Contractor:** M & M Contractors & Industrial Coatings, Kilgore, Texas
- Polyurea Applicator:** Fast Set Coatings, Inc., Austin, Texas
Inspection / Project Monitoring by Primeaux Associates LLC
- Polyurea System Applied:** PCS-325, Black; Polyurea Coatings Systems, Inc., Stafford, TX
- Primer System:** DURA-PLATE® 235 epoxy; The Sherwin-Williams Co.
- Substrate / Area:** Concrete Drive Pit, approx 3,000 ft²
- Date:** October, 2001

Schlumberger is involved in a variety of applications relating to the oilfield industry. The Longview, TX site is one where a variety of the field trucks are housed. Loading and offloading of highly corrosive drilling fluids occurs in a drive through concrete pit area outside the storage tank facility. In order to protect the concrete pit and steel walkway, the PCS-325 polyurea system was chosen. The DURA-PLATE 235 epoxy primer was applied followed by 80 to 100 mils of the PCS-325 polyurea system.



The project specification called for blast cleaning of the concrete pit area and steel walkway structure. The pit area had a small berm wall surrounding the pit to trap any spills or leakage. A 1/4" key way was cut around the berm perimeter to allow for lock-in of the PCS-325 system. After preparation, the area was primed using the DURA-PLATE 235 epoxy processed through airless spray equipment at a thickness of 8—10 mils. Some back-rolling was also required.

The PCS-325 system was then applied at an average film thickness of 80 to 100 mils on the on the concrete substrate. For the steel structure, an average 60—80 mils of PCS-325 was applied. The pit area was installed with a stipple / non-skid texture. The application was completed in one day and will give excellent service and corrosion protection for the concrete and steel structure against the corrosive drilling fluids. The pit area was put back into complete service the following day after installation.



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