

Application Profile

- Project:** Cape Canaveral Air Force Station, Cape Canaveral, Florida
Fuel Truck Pad Area, FSA No. 4
- Project Contractor:** Weston Solutions, Inc.
- Polyurea Applicator:** F.S.I., Inc., Fort Myers, FL
Inspection / Project Monitoring by Primeaux Associates LLC
- Polyurea System Applied:** PV 350, PolyVers International
- Substrate / Area:** Concrete Secondary Containment, Diesel and JP-8 Fuel Truck Pad area, 11,000 ft² (1,027 m²)
- Date:** December, 2007

Cape Canaveral Air Force Station (CCAFS) is the East Coast space launch facility of the US Department of Defense. Located on Cape Canaveral, Brevard County in Florida, it depends on Patrick Air Force Base, home of the 45th Space Wing. CCAFS is adjacent to the John F. Kennedy Space Center. The Fuel Truck Pad area was in need of an improved liner system. The existing concrete pad was experiencing severe cracking and concerns were had over potential spills of fuel seeping into the ground water. The PV 350 polyurea system was chosen due to excellent performance history in similar application areas, flexibility, toughness for heavy traffic and speed of installation..



The concrete area was pressure washed (LP WC, SSPC-SP 1) using a hot aqueous solution of BioSolve® to remove any contaminants and rinsed. The prepared concrete had a profile of CSP 4 to 5, and would provide for excellent bonding of the applied liner system. The complete area was primed with a proprietary polyurethane primer system for adhesion enhancement and reduction / elimination of outgassing in concrete area. The PV 350 polyurea system was then applied at a minimum average thickness of 100 mils (2.5 mm).

A 1/4-inch (6.35 mm) saw cut joint was used to assist in termination of the PV 350 system around the perimeter area. The area was prepared one day, followed by primer and application of the PV 350 system during the next few days. A finish stipple texture was provided to aid in slip resistance

The PV 350 system was applied using a GUSMER® H-25/25 unit fitted with a GlasCraft® Probler® P2 spray gun with an "02" chamber and tip. This provided controlled output and spray pattern at 2000 psi (138 bar) processing pressure.



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