

Application Profile

- Project:** Patrick Air Force Base, Cocoa Beach, Florida
- Project Contractor:** Weston Solutions, Inc.
- Surface Preparation:** Moran Environmental Recovery, Florida
- Polyurea Applicator:** F.S.I., Inc., Fort Myers, FL
Inspection / Project Monitoring by Primeaux Associates LLC
- Polyurea System Applied:** REA 303, V-tac Group Inc.
- Substrate / Area:** Concrete Secondary Containment Areas
Diesel, Jet Fuel and MOGAS storage areas, 22,000 ft² total
- Date:** September, 2006



Patrick Air Force Base, named for Major General Mason M. Patrick in 1950, is the world's premier gateway to space and home of the 45th Space Wing. It is located between the white sand shores of the Atlantic Ocean and the Banana River. The Fuel Depot areas, FAC 623 and FAC 627, were in need of an improved liner system. The existing epoxy coating system was experiencing severe cracking due to the non-flexible nature. The REA 303 polyurea system was chosen due to excellent performance history in similar application areas.



The coated concrete areas were pressure washed (HP WC, SSPC-SP 1) using a hot aqueous solution of Bio-Solve® to remove any contaminants and rinsed. As the existing epoxy coating was well bonded, just exhibiting cracking, abrasive blasting was not required to remove the coating. The HP WC procedure did remove any loose chips / areas of the epoxy coating system. The complete areas were primed with a proprietary polyurethane primer system for adhesion enhancement and reduction / elimination of concrete outgassing in exposed concrete areas. The REA 303 polyurea system was then applied at a nominal thickness of 80 to 100 mils (2.0 to 2.5 mm).

The REA 303 system has applied up and onto the tank pedestals tanks and penetrations to create a seamless, bonded containment membrane. The area was prepared one day, followed by primer and application of the REA 303 the next day.



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