

Application Profile

- Project:** ICA Facility Demolition, Jacksonville, Florida
- Project Contractor:** *de maximis, inc* and Golder Associates, Inc., Florida
- 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 203, V-tac Group, Inc., Michigan
- Substrate / Area:** Concrete Flooring, PCB Containment, approx 28,000 ft²
- Date:** November, 2005

The ICA Facility was once used for the assembly and repair of electrical transformers. During the work, PCB's would spill onto the concrete and be absorbed in. The new owner, plans to use the complete complex for another use and requires demolition of the buildings for a re-build. Since the concrete floor area does contain PCB's, exposure to the demolition contractor must be minimized. The REA 203 polyurea system was chosen due to the fast set, durability to the heavy equipment traffic and the barrier properties to PCB's.



Prior to installation of the REA 203 system, the concrete was cleaned / prepared. This work involved the use of heated HP WC (high pressure water cleaning) with injection of Bio Solve[®]. The Bio Solve is a hydrocarbon mitigation material that assists in removal of grease, oils and various hydrocarbon based materials. The wash system was vacuumed up for disposal. It should be noted that this preparation procedure did not create any surface profile to the concrete, just exposed that that was present.

A proprietary polyurethane primer system was then used. The primer was applied using rollers, to a rate of about 10 mils wet (0.25 mm). The REA 203 polyurea system was applied to approximately 28,000 ft² of concrete flooring. Some sections were to receive a minimum average of 60 mils (1.5 mm), while areas that would receive the heaviest of traffic would be at a minimum average of 120 mils (3.0 mm). This project was completed in 5 days.

Once the demolition is complete, additional application of REA 203 will be used to cover exposed concrete areas.



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