

Location:

Crosby, TX

Date of Application:

November 2005

Market:

Petrochemical

Substrate:

Concrete

Surface Prep:

Water Blast 3000-4000 PSI

Exposure:

Moderate Chemical Exposure - fumes or spills of mild to moderate acids caustics or solvents

Square Feet:

10000.0

Arkema Chemical

Area Coated: Exterior Coating

- First Coat: SEMSTONE 110
- Second Coat: SEMSTONE 145
- Third Coat: SEMSTONE 800 SERIES PM
- Fourth Coat: SEMSTONE 870
- Fifth Coat: Carbomastic 15
- Sixth Coat: Carbothane 134 HG
- Seventh Coat: Carboguard 890
- Eighth Coat: Carboguard 510

Project Description:

We have coated 6-8 secondary containment areas in this small chemical plant. All containment areas were older concrete that had been badly deteriorated due to chemical exposure on uncoated concrete. Damaged concrete had to be restored, vertical surfaces had to be redirected for better drainage and damaged existing coating had to be removed and replaced. In addition, existing piping and structural steel have been recoated while in service.

Coating Selection Explanation:

The major challenge is dealing with old concrete that was heavily damaged and improperly draining containment where slope changes needed to be addressed. In addition, determining the proper coating choices was challenging due to severe and varied chemical exposures. Finally, application was critical due to complexity of the job.

