

Primary Containment Bund Area, UAE

POLYUREA

Client	Aldar Properties PJSC
Construction Contractor	Aldar Laing O'Rourke
Consultant	Aldar Laing O'Rourke
Coating Contractor	APS Coating Systems
Project	ADNOC, Abu Dhabi
Area	400m ²
Construction	October 2008
VIP System	QuickPrime 1-K PU universal QuickSpray Industrial



Project Description

Laing O'Rourke required a fast curing surface coating system with high chemical resistance, no VOC contents, no cracking and stable features for the primary containment bund area. Application with 1:1 heated, high-pressure, plural component equipment. Pressure of time for fast completion and stringent requirement for high chemical resistance favoured the aromatic Polyurea QuickSpray, a 100% Polyurea 2-part Coating-System derived from a reaction of Isocyanate and Amine terminated resin.

Application took place in 4 steps:

1. Concrete was prepared and cleaned of any residues that may have an affect to bonding.
2. Surface was primed and adhesion improved.
3. QuickSpray Industrial (aromatic) applied with heated mixing equipment.
4. 12 hours after the application the job was considered completed.

The complete process of surface-preparation and application of base coat was successfully completed in less then 24 hours.

