

PROJECT PROFILE

BALTIMORE WASHINGTON INTERNATIONAL (BWI) AIRPORT RENTAL PARKING GARAGE

PROJECT BACKGROUND

This project was a maintenance project to repair and seal all concrete decks and ramps of BWI Rental Parking Garage. URS engineers, BWI Maryland Aviation Administration (MAA) and the various automobile rental companies required a penetrating sealer that would penetrate, seal and dry quickly to allow the parking deck to be opened to vehicle traffic within 24 hours.

URS Engineers and MAA specified a clear 100% silane penetrating sealer that would protect against moisture penetration, chloride intrusion and freeze thaw cycles. URS required a site test application of all materials required for the use on this project including a solvent based traffic marking paint. After review and evaluation of the application and performance of all materials supplied for the site test, Vexcon's Certi-Vex Penseal 244 100% was chosen as the material to be used on this project.

STRATEGIES/CHALLENGES

Automobile rental companies were involved with pre-construction meetings as rental automobiles had to be stored, staged, and quickly moved as the garage was under constant use. The decks were originally divided into 50 separate phases so as to not interrupt traffic flow of the rental automobiles for public use.

Of greatest concern to the rental companies and Maryland Aviation Administration (MAA) was to minimize business interruption and have the least impact on the customer's experience when picking up or dropping off a vehicle. Certi-Vex Penseal 244 100% provided the performance needed to meet these challenges.

RESULTS/SOLUTION

Due to time, weather and multiple construction phase constraints, Vexcon's Certi-Vex Penseal 244 100% was chosen because of the ability to be applied easily to damp surfaces and fast dry times, which allowed for quick turnaround, resulting in labor, time and cost savings to the MAA, automobile rental companies and the General Contractor. The project was delivered on time and under budget.

Dave Reis, Project Manager of Concrete Protection and Restoration, Baltimore, MD said "Vexcon's Certi-Vex Penseal 244 100% has been great to use. The surface prep is easy, the application of the sealer is easy and it has performed to the specifications. Water penetration tests which have been completed indicated that the product is allowing no penetration. We are pleased with both Vexcon and their product".

Project Type:

Repair and Sealing All Decks and Ramps

Location:

BWI Airport, Baltimore, MD

Owner:

Maryland Aviation Administration (MAA)

General Contractor:

Concrete Protection and Restoration

Project Superintendent:

David Reis

Construction Manager

Baker International

Architect:

URS Engineers, Hunt Valley, MD

Total Square Footage:

1.8 million sq.ft.

Project Completion Date:

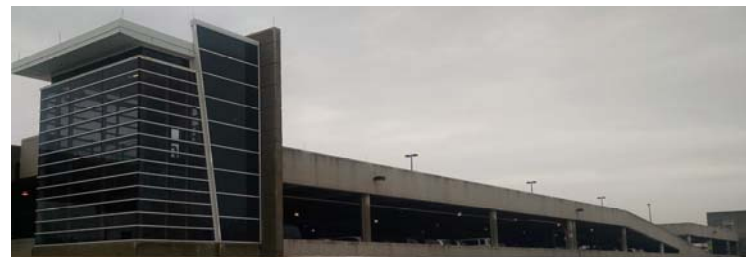
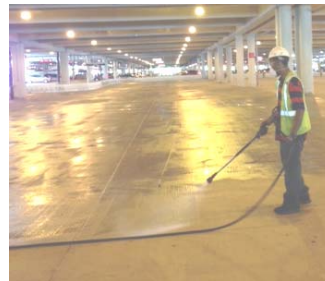
September 2014

Product Used:

Certi-Vex Penseal 244 100%

Project Specification:

100% Silane Penetrating Sealer



ABOUT VEXCON

Founded in 1974, Vexcon Chemicals core business is the manufacture, distribution and sale of construction chemical products.

Vexcon Chemicals is an industry leader providing innovative product solutions through the development of advanced chemical technologies designed to meet today's construction demands. With our unique capability as a vertically integrated specialty chemical manufacturer we produce as starting materials water and solvent based epoxy, urethane, hydrocarbon, acrylic and silicone products. These technologies allow us to develop cost effective products that are designed to exceed market demands for consist high performing materials. We also have the ability to manufacture customized products developed to meet specific customer demands.

Vexcon produces construction materials designed to build, repair, enhance, protect, and maintain a wide variety of concrete and masonry structures.

Our products span numerous markets and product categories and are commonly used on transportation, commercial, industrial, distribution, institutional and residential projects both nationally and globally.

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