

# PROJECT PROFILE

## Baltimore Washington International (BWI) Airport Parking Garage

### PROJECT BACKGROUND

Maintenance project to repair and seal all concrete decks and ramps of BWI Daily Parking Garage. URS/ BWI Engineers required a sealer that would penetrate, seal and dry quickly to allow the parking deck to be opened to vehicle traffic the next day.

The Maryland Aviation Administration (MAA) was specifying a clear 40% solid, water base silane penetrating sealer that would protect against moisture penetration, chloride intrusion, and freeze-thaw cycles.

URS Engineers required a site test application of all products approved for use on this project. After reviewing the application and performance of all materials supplied for the site test, Vexcon's Powerseal 40 was chosen as the product to be used on the project.

### STRATEGIES

As this was the busiest BWI Parking Garage, all construction work had to be completed in phases as the garage was under constant use. Decks were divided into 30,000 sq.ft. areas while automobile traffic had to be diverted to other areas.

Vexcon's Powerseal 40% fast dry time and ability to be applied to damp surfaces allowed the parking decks to quickly open to automobile traffic.

### RESULTS

Due to time and weather constraints, Vexcon's Powerseal 40% was chosen because of its ability to be applied to damp surfaces and fast dry time which allowed for a quick turn around resulting in time and cost savings. The project was delivered on time and under budget.

John Feezer, Senior Project Manager of Brawner Builders in Hunt Valley MD said "Brawner Builders was very satisfied with Vexcon material. It preformed well and it was an advantage to be able to apply to damp surfaces. We were happy with the product's ease of application and performance and would recommend using Vexcon in the future."

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|---------------------------------|---------------------------------------|
| <b>Project:</b>                 | BWI Airport Parking Garage            |
| <b>Project Type:</b>            | Reseal all decks and ramps            |
| <b>Location:</b>                | BWI Airport, MD                       |
| <b>Owner:</b>                   | Maryland Aviation Administration      |
| <b>General Contractor:</b>      | Brawner Builders, Hunt Valley, MD     |
| <b>Architect:</b>               | URS Engineers, Hunt Valley, MD        |
| <b>Construction Manager:</b>    | Parsons Inc, Baltimore MD             |
| <b>Distributor:</b>             | Wharton Hardware & Supply, Clinton MD |
| <b>Total Square Footage:</b>    | 1.8 Million sq.ft.                    |
| <b>Project Completion Date:</b> | August 2012                           |
| <b>Product Used</b>             | PowerSeal 40%                         |



Before



After



### 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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