

PROJECT PROFILE

PROJECT NAME: Whitestone Bridge / Whitestone Express way New York City, New York

PROJECT BACKGROUND

The Bronx-Whitestone Bridge is a heavily trafficked crossing, 103,400 vehicles per day in 2010, over the East River connecting Bronx, NY to Queens, NY. As part of a three-phase restoration of the bridge and to protect the concrete deck and approach ramps from the ravages of deicing chemicals, the MTA decided to wash and seal the bridge deck and approach ramps with a breathable, water repellent & chloride ion screen.

CHALLENGES

The challenge for the contractor was he could only work from 11:00 PM to 4:00 AM to wash the deck and ramps, apply the silane based water repellent sealer, and have the deck open for the morning rush hour traffic. The work was to occur in the late autumn when temperatures can drop below freezing at night. They had to find a sealer that could be applied to a damp surface and dry fast enough so that the last application of day could handle the vehicular traffic as soon as the traffic control was removed.

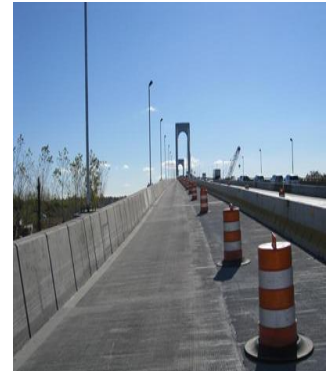
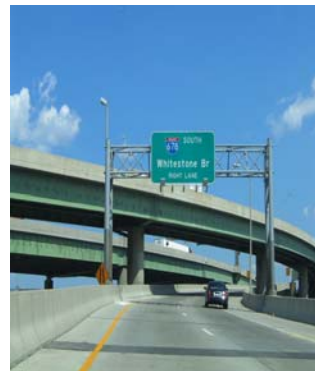
RESULTS

Through a thorough process of job site evaluation by NYDOT Engineers, Burtis Construction and Venture Contracting the decision was made to select VEXCON's PENSEAL 244 BTS 100%.

PENSEAL 244 BTS 100% accepts vehicular traffic in 30 minutes and dry through in 1 hour. Additional benefits include the ability to be applied over damp concrete, be applied at 20°F, provide maximum long term protection against the effects of deicing chemicals, that exacerbates reinforcing steel corrosion, surface spalling from freeze/thaw cycles, as well as have the greatest degree of penetration.

NYDOT, Burtis Construction, and Venture Construction were all very pleased with the exceptional performance of PENSEAL 244 BTS 100% as the deck was cleaned, silane water repellent sealer applied and traffic lanes were opened within the 5 hour time window allotted. Bertrand LeFebvre with Venture construction said "The product worked as presented and they never had an installation problem with the PENSEAL 244 BTS 100%."

Project Type:	Maintenance/Sealing of concrete bridge deck and ramps
Location:	New York City
Owner:	Metropolitan Transportation Authority Bridges & Tunnels (MTA)
General Contractor:	Burtis Construction Yonkers, NY
Project Superintendent:	Percy Mowdawalla
Specialty Contractor::	Venture Construction, Concord, New Hampshire
Project Foreman:	Bertrand LeFebvre
Total Square Footage:	1 Million
Project Completion Date:	2012
Product Used:	Certi-Vex Penseal 244 BTS 100%



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.

Vexcon Chemical, Inc.
7240 State Road
Philadelphia, PA 19135
1-888-VEXCON-1
(215) 332-7709
www.vexcon.com
sales@vexcon.com