

The **MIRACOTE**[®] **SOLUTION**

Submitted by: Neil Savitch of Construction Specialties & Joe DiMaio of Miracote
Contractor: Eastern Waterproofing & Restoration Co., Inc., Jessup, MD
Products Used: Miracote MPC, Membrane A, RP Fiberglass Mesh with Miracote HD II Clear Sealer
Customer: Parking Structure Project Virginia Commonwealth University, Richmond, VA

Neil Savitch has been a long time Independent Representative of Crossfield Products

decked parking structure at the main campus of Virginia Commonwealth University, Richmond, Virginia.



MIRACOTE[®] Receives Top Honors at Virginia Commonwealth University

Corp., Miracote Division. Through the years he has seen the Miracote Product Line grow from a few concrete repair materials to a vast and complete product offering that encompasses all markets and industries. Recently, Neil worked with Kenny Pittman of Dunbar, Milby, Williams, Pittman and Vaughan, a well known and respected consulting engineering group located in Richmond, Virginia. With Neil's assistance they developed a retrofit specification designed specifically for use over a precast Double T

The Challenge

To renovate 54,451 sq ft (5,058 sq m) of precast Double T's on the second level of campus parking structure, which was over occupied space, consisting of offices and retail stores.

The Solution

Knowing that the University would require a cost effective and long lasting decking replacement system, Neil recommended the time tested Miracote decking system that

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consisted of Miracote MPC at 120 mils (3 mm) with a time proven protective Miracote HD II Clear Sealer. Prior to placement of the decking system the cracks were detailed with Miracote Membrane A and reinforcement fabric. Knowing

environmental conditions were ideal for the installation – low humidity and temperatures ranging from mid 70's Fahrenheit (21°C) to mid 80's Fahrenheit (36°C). The job was to be completed in two weekends with a crew of eight

Reinforcement fabric was then embedded into the membrane and backrolled and allowed to cure overnight. The owners had requested the membrane to prevent leakage into the occupied space below and the fiberglass was utilized to absorb any flex from thermal changes or mechanical loading from the vehicle.

The next day, Miracote MPC, in standard concrete gray, was broom applied at 30-40 mils (7.6-10.2 mm) over the entire surface (terminating at the joints) and allowed to cure overnight. On Sunday, another 30-40 mils (7.6-10.2 mm) lift of MPC was squeegee applied. The following weekend, the third lift of MPC was squeegee applied at 30-40 mils (7.6-10.2 mm). Once the final lift of MPC had cured overnight, HD II Clear Sealer, a clear, tough and durable stain resistant acrylic sealer coat, was roller applied at 3-5 mils (0.076-0.127 mm). The job was completed ahead of schedule, thanks to the project coordination skills provided by Pat McBreen, Project Manager from Eastern Waterproofing, and well exceeded the engineer and owners expectations.

Once again, Miracote and Eastern

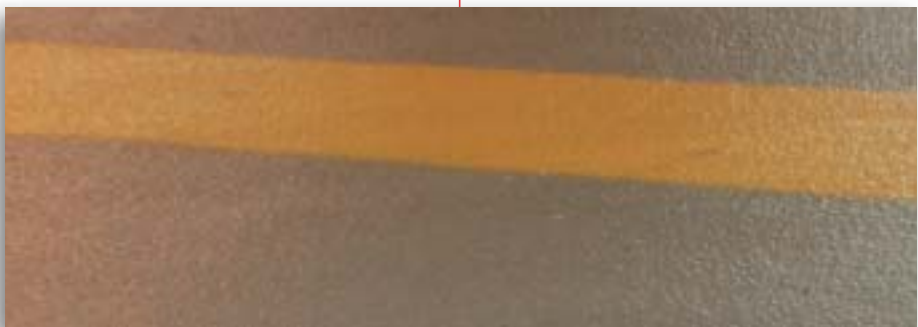


that this was a high profile, fast track project, Neil contacted Jeff Gray, Vice President, and Keith Wright, Estimator, both of Eastern Waterproofing and Restoration Co, Inc., a premier Miracote installer, to bid the project. The competition was tough, but after careful review of all the submittals by the engineer, Eastern Waterproofing was awarded the job.

The MIRACOTE Action

The job began August 20, 2004 and had to be completed and ready for full use occupancy by September 6, 2004, the day after the Labor Day Weekend. Mick McGee, the Job Superintendent for Eastern Waterproofing supervised the project and made sure that the

men. They began the job on Friday evening, by shotblasting and brushblasting the slab to remove the existing deteriorating surfacing and any contamination. After power washing and vacuuming the slab of debris, the cracks required treatment.



The detailing consisted of routing the cracks and filling with a flexible sealant, followed by a roller coat of Miracote Membrane A at 25 mils (6.3 mm).

Waterproofing gain top honors in the field of product and project expertise, far surpassing the competition!



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