

Editorial Contact: Shannon Garrow
Cortec® Advertising Agency: (651) 429-1100 Ext. 128

sgarrow@cortecvci.com

Company Contact: Jessi Jackson-Meyer
Cortec® Corporation: (651) 429-1100 Ext. 185

jessij@cortecvci.com

Technical Contact: Andrea Hansen
Cortec® Corporation: (651) 429-1100 Ext. 165

ahansen@cortecvci.com



Attention: Editor

July 21, 2008

NEWS RELEASE

Cortec® sealer protects 31 year old bridge!

Maryland was host to Cortec® representatives during the recent application of MCI®-2018 to the Francis Scott Key Bridge. Also known as the Key Bridge, it is located in Baltimore on Interstate 695 and spans the Patapsco River. Named in honor of Francis Scott Key, who wrote "The Star Spangled Banner" at nearby Fort McHenry, this continuous truss bridge was opened in 1977. The main four-lane span is 1200 feet long, 52 feet wide, and accommodates over 11 million vehicles annually.



MCI®-2018 is a 100% silane sealer containing Cortec's patented migrating corrosion inhibitors. The corrosion inhibitors will migrate to embedded steel reinforcement and form a protective layer that mitigates the corrosion process.

Prior to the application of MCI®-2018, patches and repairs were made to the bridge and the evening before the application, the deck was shot blasted, leaving a clean even surface for application. The deck temperature was measured and found to be over 40°F before the application was started. A trailer carrying two totes of MCI®-2018 was equipped with a spraying system on the front and rear. Unfortunately, because of code restrictions, it could not be built big enough to spray the entire lane, so the last two feet were hand sprayed. Both methods achieved a wet-wet application that sat on the concrete for a few minutes before drying, giving time for the silane to sink in and react.



Here are photos looking back at the application. The darker area shows how uniformly the product went down. The markers placed on the side of the road corresponded with marks on the totes to also keep uniformity in check. Although it was windy on the top of the bridge, the hand built wood frame around the sprayers caught most of the blowing material, allowing the product to condense on the sides of the wood and drip down onto the concrete.

Photo: Please contact Cortec® Advertising for a High-resolution photo. sgarrow@cortecvci.com

Company Description: Cortec® Corporation is a pioneer of environmentally friendly, corrosion protection Vapor phase Corrosion Inhibitors (VpCI™) & Migratory Corrosion Inhibitors (MCI®) Technologies for the Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001 & ISO 14001:2004 Certified.

Cortec Website: <http://cortecadvertising.com> Phone: 1-800-426-7832 FAX: (651) 429-1122

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