

Editorial Contact:  
Cortec® Advertising Agency:

Jeni Duddeck  
(651) 429-1100 Ext. 1114

[jduddeck@cortecvci.com](mailto:jduddeck@cortecvci.com)

Company Contact:  
Cortec® Corporation

Julie Holmquist  
(651) 429-1100 Ext. 1194

[jholmquist@cortecvci.com](mailto:jholmquist@cortecvci.com)

Technical Contact:  
Cortec® Corporation

John Wulterkens  
(651) 429-1100 Ext. 1130

[jwulterkens@cortecvci.com](mailto:jwulterkens@cortecvci.com)



**Attention: Editor**

**July 30, 2019**

**PRESS RELEASE**



## CorrVerter® MCI® Rust Primer Takes the Ugliness Out of Rusty Rebar Repair

An exposed gridwork of rusty rebar is an ugly sight on an aging concrete structure—especially for owners, DOTs, contractors, and engineers responsible for structural durability. Fortunately, CorrVerter® MCI® Rust Primer takes some of the ugliness out of concrete repair by providing a low-labor solution to rebar corrosion.



Rather than taking the time, effort, and precautions required to do sandblasting or chemical rust removal, workers applying CorrVerter® MCI® simply have to remove loose rust with a wire brush and clean the surface with water before brushing it with CorrVerter® MCI®. This single-component, fast drying water-based primer contains a unique formulation of chelating agents combined with a high solids waterborne latex with extremely low water vapor permeability. CorrVerter® MCI® converts the surface rust into a hydrophobic passive layer with excellent protection against re-rusting. Additional concrete repairs can be carried on subsequently.

Advantages of CorrVerter<sup>®</sup> MCI<sup>®</sup> include the following:

- Offers equal or better bond strength to concrete compared with uncoated rebar
- Converts rust quickly and can be applied under varying weather conditions
- Can be top-coated with water- or solvent-based topcoats (tannic and phosphoric acid converters can only be top-coated with solvent-based topcoats)
- Offers better protection against re-rusting than tannic- or phosphoric-acid-based converters
- Works in HCl, H<sub>2</sub>S, SO<sub>2</sub>, and CO<sub>2</sub> vapor environments
- Is water-based, non-flammable, and non-combustible



CorrVerter<sup>®</sup> MCI<sup>®</sup> is recommended for application to rusty or poorly prepared steel surfaces where further corrosion protection is required and good surface preparation is difficult to achieve, as in the following examples of the Maslenica bridge and historic Vukovar water tower restorations in Croatia.



The Maslenica Bridge experienced concrete spalling and corrosion of reinforcing steel because of an aggressive environment near the Adriatic Sea. In addition to the use of MCI<sup>®</sup>-2020 on the entire concrete structure, CorrVerter<sup>®</sup> MCI<sup>®</sup> Rust Primer was applied to exposed rebar by brush after removing dirt, corrosion, and spalled concrete using a high-pressure water blast.

The is being preserved as a memorial to the 1990's Croatian War of Independence. The water tower was hit more than 600 times during the Battle of Vukovar yet remained standing. It was left unprotected for more than 20 years after the war but has recently been undergoing restoration. Much of the tower's artillery damage will be left untouched as a symbol of the city's suffering. Heavily corroded metal surfaces are being preserved with CorrVerter<sup>®</sup> MCI<sup>®</sup> applied by brush after the mechanical removal of loose rust and scale.



Learn more about CorrVerter<sup>®</sup> MCI<sup>®</sup> Rust Primer here:

<https://www.cortecmci.com/product/mci-corrverter/>

Learn more about the Maslenica Bridge restoration here:

[https://www.corteccasehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch595.pdf](https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch595.pdf)

Learn more about the Vukovar water tower restoration here:

[https://www.cortecvci.com/whats\\_new/announcements/Restoration-of-water-tower-22.2.pdf](https://www.cortecvci.com/whats_new/announcements/Restoration-of-water-tower-22.2.pdf)

**References:**

1. Cortec<sup>®</sup> Laboratories, "MCI POWR 100 Efficacy Testing." Project #: 19-024-1916.public. 19 Feb. 2019, Saint Paul, MN.

Need a High-Resolution Photo? Visit: [www.cortecadvertising.com](http://www.cortecadvertising.com)

Cortec<sup>®</sup> Corporation is the global leader in innovative, environmentally responsible VpCI<sup>®</sup> and MCI<sup>®</sup> corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec<sup>®</sup> manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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