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PRESS RELEASE



CorrVerter® MCI® Rust Primer: The Clear Winner Against Rebar Corrosion in Concrete Repairs

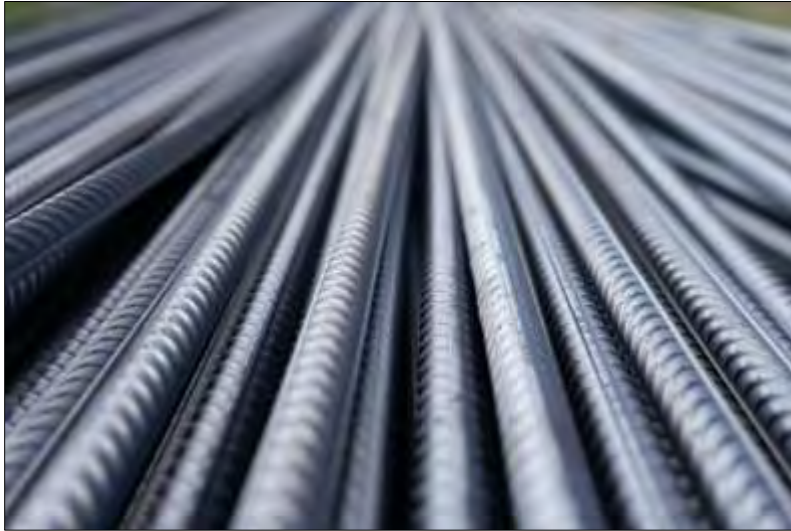
Corroded reinforcement is the chief cause of concrete deterioration, which prompts subsequent repairs. For repairs to be sound, contractors must ensure adequate adhesion of new patch repair materials by proper preparation of exposed reinforcing steel. ICRI's 310.1R-2008 "Guide for Surface Preparation for Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion" states that exposed reinforcing



steel should be free of any materials such as concrete, dirt, and corrosion products that could interfere with repair material adhesion, although a tightly bonded light rust on the rebar surface is usually not detrimental to the bond of patch materials. When it comes to tackling reinforcement surface prep and ongoing protection,

CorrVerter[®] MCI[®] Rust Primer stands out among competitor materials with clear performance and application advantages to mitigate rebar corrosion.

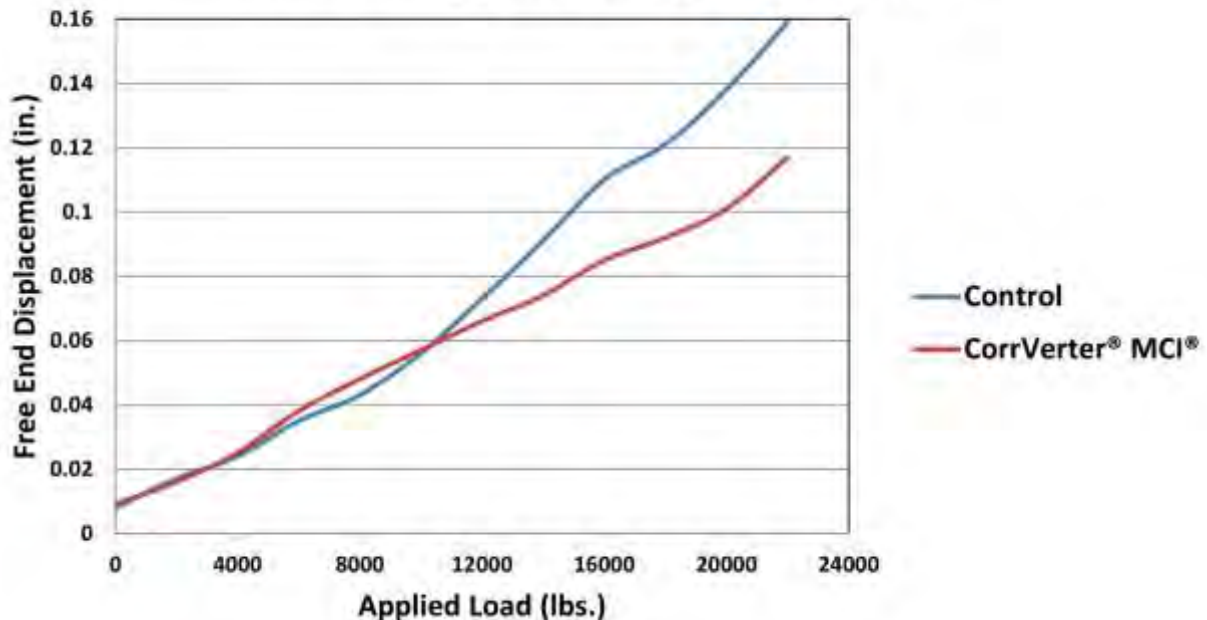
Resolving Existing Corrosion



Competitor rebar coatings containing corrosion inhibitor typically require a rust-free application surface to work properly. Abrasive or water blasting and intensive labor are usually needed to ensure corroded surfaces are completely clean. This is not necessary for CorrVerter[®] MCI[®], which 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. CorrVerter[®] MCI[®] is a unique formulation of chelating agents combined with a high solids waterborne latex with extremely low water vapor permeability. This fast drying, single-component primer converts surface rust into a hydrophobic passive layer and offers excellent protection against re-rusting of metal surfaces. Reinforcement coated with CorrVerter[®] MCI[®] Rust Primer has similar bond strength to concrete compared with uncoated rebar.

Bond Testing According to ASTM A944



Preventing Future Corrosion



While competitor bonding agents list rebar corrosion protection as one of their benefits, actual performance is vague or reduced compared to CorrVerter[®] MCI[®]. One data sheet for a prominent cementitious epoxy resin states that it reduced corrosion rate by over 40% and tripled time to corrosion, without specifying a standard test method used in the study. Another

bonding primer reports excellent corrosion resistance in 120 hours of salt spray testing according to ASTM B-117 (application recommended at 31 mils [787.4 µm] minimum). A third competitive bonding agent claims corrosion protection with no support data listed. In stark contrast, CorrVerter[®] MCI[®] Rust Primer data reports 500 hours of corrosion resistance in salt spray testing (ASTM B-117) at only 3-5 mils (75-125 µm) DFT (applied at 8.7-14.5 mils [217.5-362.5 µm] WFT).

Choosing a Clear Winner for Convenience and Dependability

When it comes to dependable corrosion protection and easy surface prep, CorrVerter[®] MCI[®] Primer is the clear winner among competitive rebar primers and bonding agents. CorrVerter[®] MCI[®] Primer offers engineers, owners, contractors, DOTs, and government agencies a convenient, low-labor option when performing repairs on heavily corroded rebar and other metal surfaces. It converts rust quickly and provides ongoing protection without compromising bond strength. Contractors may rely on it as an integral part of a high-performance repair system that extends the service life of concrete structures.

Contact us today to learn more about using CorrVerter[®] MCI[®] in your next concrete repair:

<https://www.cortecmci.com/contact-us/>

To learn more about CorrVerter[®] MCI[®] Rust Primer, please visit:

https://www.cortecvci.com/Publications/PDS/CorrVerter_MCI_Rust_Primer.pdf



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