

CorrVerter MCI Rust Primer: Cortec's Solution Against Rebar Corrosion in Concrete Repairs

To provide a solution to mitigate rebar corrosion, tackling reinforcement surface preparation and ongoing protection, Cortec has developed CorrVerter MCI Rust Primer.

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, which 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.

To tackle this challenge and mitigate rebar corrosion, Cortec has developed CorrVerter® MCI® Rust Primer, which can be applied 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 formulation of chelating agents combined with a high-solid waterborne latex with extremely low water vapour 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.

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).

For further information:
www.cortecvci.com

