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**Attention: Editor**  
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**PRESS RELEASE**



## **Tackle Concrete Corrosion with MCI®-2040 for Vertical Repairs**

Cortec® Corporation, the home of MCI® Technology, is pleased to announce its new, improved [MCI®-2040 High Performance Vertical/Overhead Repair Mortar](#). This is yet another component of Cortec's High Performance Repair System (HPRS®), which helps concrete repairs last longer by inhibiting corrosion and reducing the risk of the insidious ring-anode effect. With MCI®-2040, Cortec® has extended the protective qualities of MCI®-2041 (horizontal repair mortar) to vertical and overhead surfaces, giving concrete contractors an MCI® repair mortar for any angle!



### **Extend Service Life of Concrete Repairs**

MCI®-2040 is a single-component, fast-setting, high-strength, cement-based repair mortar that is enhanced with Migrating Corrosion Inhibitors (MCI®). MCI®-2040 offers corrosion protection to reinforcing metals

both in the patch and in the surrounding areas. Migrating Corrosion Inhibitors in the concrete repair mortar penetrate the substrate and even out corrosion potentials between patched areas and nearby concrete. This slows down the ring-anode/halo effect in surrounding concrete. Once applied and hardened, MCI®-2040 provides a high level of adhesion and durability, as well as resistance to water and carbonation attack. This increases the quality and extends the service life of the repair and surrounding structure.

### More Flexibility for Vertical and Overhead Repairs



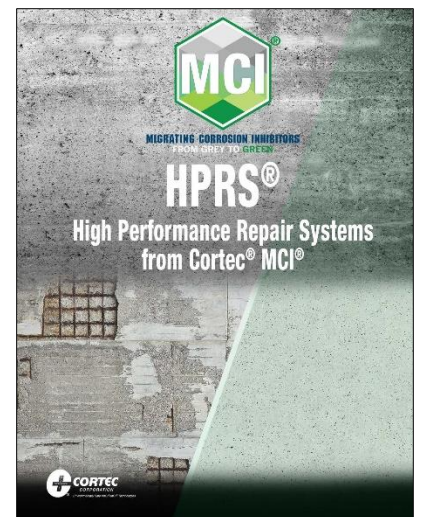
MCI®-2040 is an easy-to-handle patching material for fast-paced repair jobs. It offers quick turnaround due to high early strength and can be applied like normal repair mortars, but without the need for bonding agents. MCI®-2040 is specifically designed for vertical and overhead repairs, greatly increasing the potential use for MCI® repair mortar and offering enhanced flexibility for contractors. Possible applications for MCI®-2040 include the following:

- Undersides of bridge decks, parking ramps, balconies, and ramps
- Concrete columns, retaining walls, building facades, and soffits

### MCI® High-Performance Repair System (HPRS®)

For best results, MCI®-2040 should be applied following the five steps of the MCI® HPRS®:

1. Prepare the substrate.
2. Treat and clean rusted rebar in concrete.
3. Apply repair materials (e.g., MCI®-2040) to reinstate concrete and mitigate rebar rust.
4. Apply surface applied corrosion inhibitors (optional for added protection).
5. Apply final coating (optional for added protection).



The HPRS® guide promotes maximum repair mortar success through best practices for surface prep (critical to good adhesion) and additional protection options.

## Building and Resource Conservation

Sustainability has become a buzzword in today's construction market with practical implications for building owners as well as the environment. Engineers are looking for ways to make buildings last longer to meet increasing service life demands and preserve an aging infrastructure. However, in spite of the strength of concrete as a durable building material, repairs are an inevitable part of the concrete life-cycle. The good news is that the



proper use of MCI<sup>®</sup> Technology to mitigate concrete corrosion can help concrete structures and repairs last longer, ideally lengthening intervals between repairs and thus saving substantial time, labor, and money.



Contact Cortec<sup>®</sup> to learn more about the benefits of MCI<sup>®</sup>-2040 for vertical and horizontal repairs: <https://www.cortecmci.com/contact-us/>

*Keyword: rusted rebar in concrete, rebar rust, Migrating Corrosion Inhibitor, concrete corrosion, corrosion inhibitors in concrete, MCI concrete, repair rusted rebar concrete, Cortec, From Grey to Green, sustainability*

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