

Topical Treatment Continued

existing concrete structures to reduce the corrosion of rebar and metal mesh embedded in the concrete structure. The more viscous version minimizes flowdown on walls and misting on bridges from wind. The thicker layer of MCI-2020 allows application in one-coat rather than two coats.

MCI-2020 is especially formulated for use in environmentally sensitive areas. Its water-based formulation does not contain calcium nitrite and is non-toxic, non-flammable, organic, and safe to handle. MCI 2020 has been certified by underwriter's labs to meet NSF Standard 61 for indirect contact with drinking water. The product can be easily applied by spray, roller, squeegee or brush to any concrete surface for the most convenient and cost-effective application. MCI-2020 dries quickly. For bridge applications, traffic can be resumed in less than 30 minutes after treatment.



Applying MCI® 2020

Proven effective in the Strategic Highway Research Program (SHRP) funded by the Federal government and state DOTs, the product migrates through the densest concrete structures to seek out steel rebar and wire mesh to stop further corrosion. MCI-2020 functions independently of chloride levels and is effective in high chloride concrete structures with active corrosion being present.

Studies indicate that MCI-2020 is up to 50% more effective than polymer modified concrete and can extend the service life of some structures, such as bridge deck over-

lays, by as much as 34 years. The product can be used for all types of reinforced, precast, prestressed, post-tensioned and marine concrete structures. Users can repair or restore bridges, parking decks, piers, foundations, offshore platforms, and other reinforced concrete commercial and civil engineered structures. Cortec® MCI-2020 offers one of the easiest methods to incorporate in a simple preventive maintenance program against catastrophic failure from metal corrosion in concrete.

MCI® Polyfilm Stops Rust on Rebar, Mesh, and Studs

A new polyethylene film from Cortec can be used to cover metal parts and components on the construction site to stop rust. Known as MCI® Film, it is unlike any conventional plastic film used for protective covering, wrapping, barriers, or interleaving.

Conventional poly films, wraps, and tarps actually promote rust, especially wherever they touch metal. They trap moisture and water next to the metal, setting up corrosion cells. When poly or tarp is used to cover or tent metal parts, rather than protecting them, they create a humidity chamber much like a sauna, recycling humidity and micro-corrosive vapor thoroughly around all the metal.

Cortec MCI® Film can be used for the same purpose as a wrap and tarp to protect against dirt and weather, however it contains special VpCI™ corrosion inhibitors that prevent rust.



MCI® Film protects metal parts and components