



MCI 2020 is an organic, surface applied, migrating corrosion inhibitor designed to penetrate through cementitious materials including concrete, mortar, and limestone. It travels in both liquid and vapor (gas) phases through the pore structure, forming a protective, molecular layer on embedded reinforcement and allowing for the substance to diffuse as vapors.

MCI 2020 provides strong corrosion protection against carbonation, chlorides, and other contaminants and will migrate independent of orientation (horizontal, vertical or overhead up to eight centimeters (three inches) in 30 days. Water based, non-flammable MCI 2020 offers engineers, owners, contractors, DOTs, and other government agencies a time proven, corrosion inhibiting technology that will significantly extend the service life of their reinforced concrete structures.

How It Works

MCI-2020 is considered an ambiodic (mixed) inhibitor, which means it protects both anodic and cathodic areas within a corrosion cell. MCI-2020/MCI-2020 V/O contain a synergistic blend of amino-alcohols and salts of carboxylic acids which form a protective layer on embedded reinforcement delaying the onset of corrosion as well as reducing existing corrosion rates.

It can be applied to new concrete or used for restoration and will not delay construction or increase costs. Unlike standard inorganic inhibitors it does not have to come in contact with the reinforcing steel upon application.

Easily applied by spray, brush, or roller and does not etch, stain, discolor, or otherwise harm glass, metals, or automotive paint.

Conforms to ASTM G 109, ASTM E 96, meets ANSI/NSF Standard 61 Approval for structures containing potable water and is RoHS compliant.

MCI 2020 was chosen for renovation of Pentagon and has won International Concrete Repair Institute Award for the best repair project.

Source: https://www.cortecvci.com/Publications/PDS/MCI-2020_and_VO.pdf