



Cortec's Top-Three Primer/Topcoat Combos to Protect Metals from Micro-Corrosion

Rick Shannon

Cortec Corporation - St. Paul (MN) - United States ✉ rshannon@cortecvci.com

Cortec® Corporation released top-three primer-topcoat combinations from its range of Micro-Corrosion Inhibiting Coatings™ to protect metals and fight micro-corrosion.

In order to help painters in finding the best primer/topcoat combo solution Cortec® Corporation developed three primer-topcoat combinations that are great ways to go for excellent performance with options for environmental or user benefits, 2K durability, or 1K convenience. Here are the details:

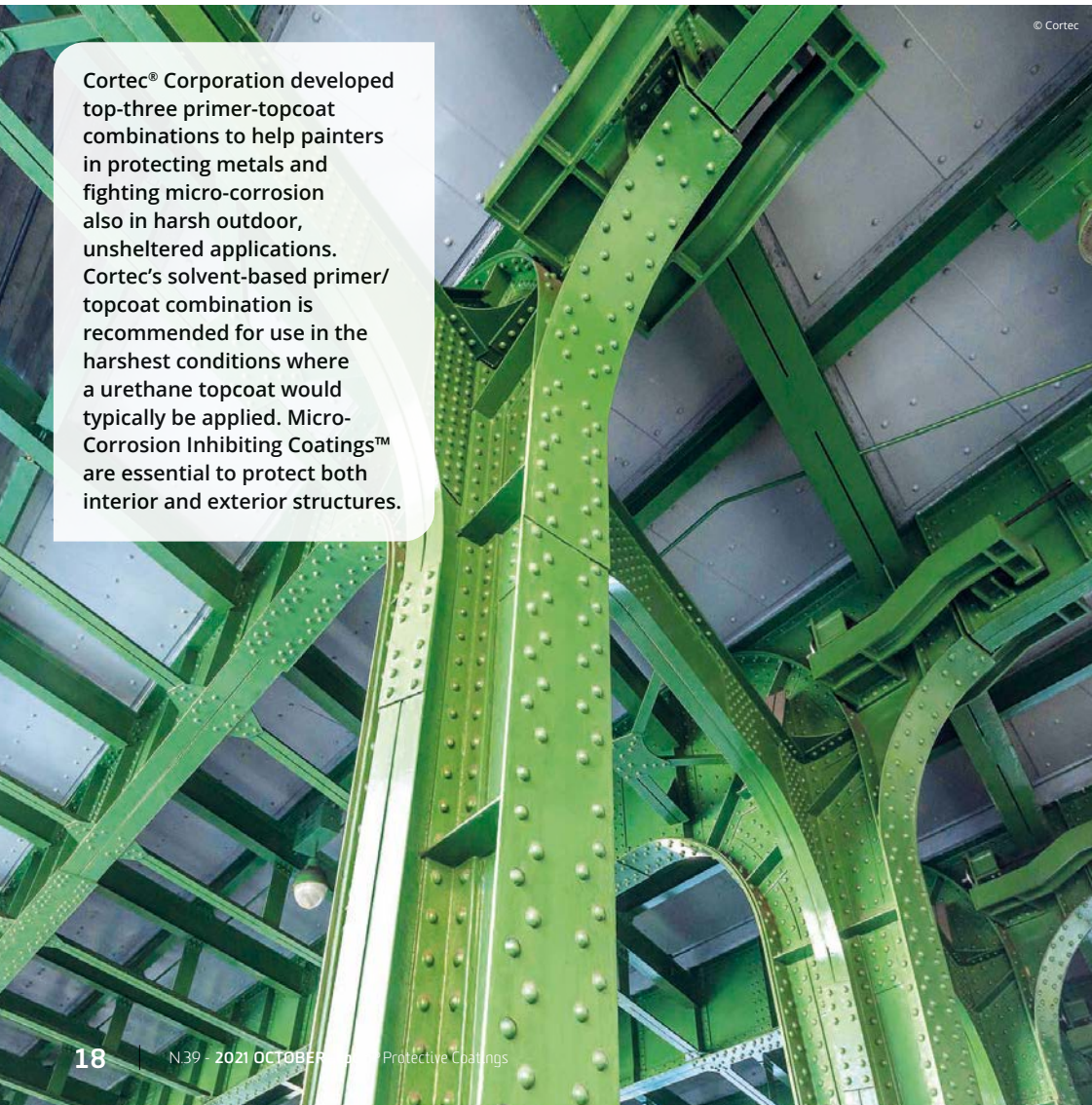
Solvent-Based Primer/Topcoat

Cortec's VpCI®-396/VpCI®-384 combination takes first place as the best Cortec® solvent-based coatings system, and is ideal for those seeking

extreme protection in harsh outdoor, unsheltered applications. VpCI®-396 is a fast drying, solvent-based moisture cure urethane one coat primer that can be applied DTM (direct to metal).

Its complex chemistry offers protection that competes with most paints and zinc-rich primers. VpCI®-396 primes the way for application of VpCI®-384, a solvent-based urethane topcoat that rivals other big-name urethanes on the market and offers excellent adhesion to moisture cure urethanes like VpCI®-396 primer.

It has a high gloss, excellent hardness, extremely good flexibility, and



Cortec® Corporation developed top-three primer-topcoat combinations to help painters in protecting metals and fighting micro-corrosion also in harsh outdoor, unsheltered applications. Cortec's solvent-based primer/topcoat combination is recommended for use in the harshest conditions where a urethane topcoat would typically be applied. Micro-Corrosion Inhibiting Coatings™ are essential to protect both interior and exterior structures.

© Cortec



excellent solvent resistance. VpCI®-384 is a 2K (two-component) system, which adds another step to the process for mixing. However, this extra effort pays off due to the special cross-linking action that takes place between the two parts for greater durability in the long run. Cortec's VpCI®-396/VpCI®-384 combination has excellent UV resistance and is recommended for use in the harshest conditions where a urethane topcoat would typically be applied, including coastal wind farms, power poles, tanks, and bridges.

Water-Based Primer/Topcoat

While solvent-based coatings are sometimes needed to withstand extreme conditions, water-based coatings are often preferred for environmental or worker advantages. For example, water-based coatings generally have lower VOC than solvent-based coatings and are typically easier to clean up just with water. Fortunately, Cortec® has developed many excellent water-based Micro-Corrosion Inhibiting Coatings™ with exceptional protection. The first go-to water-based option is Cortec's VpCI®-395/EcoShield® 386 combination. VpCI®-395 is a fast-drying water-based epoxy

primer. As a 2K system, it has special crosslinking advantages for increased durability. Another advantage is its low VOC of 0.2 lbs/gal (24 g/L). EcoShield® 386 is the best option for a water-based topcoat and shows exceptional corrosion protection in salt spray testing. EcoShield® 386 provides UV resistance and therefore can be used as an outdoor coating. It can be applied clear or matched to most custom colours.

Single Component Water-Based Primer/Topcoat

For those who want to go the water-based route without the extra hassle of mixing a 2K primer, Cortec® also offers an excellent single component water-based primer/topcoat combination for corrosion protection in harsh conditions. VpCI®-375 is a water-based acrylic one coat DTM system that is resistant to sagging or running and forms a tough protective barrier. It offers UV resistance when dried, providing optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight. Although VpCI®-375 can be used as a topcoat if desired, it is even better paired with EcoShield® 386, Cortec's outstanding single-component water-based topcoat. ◀

