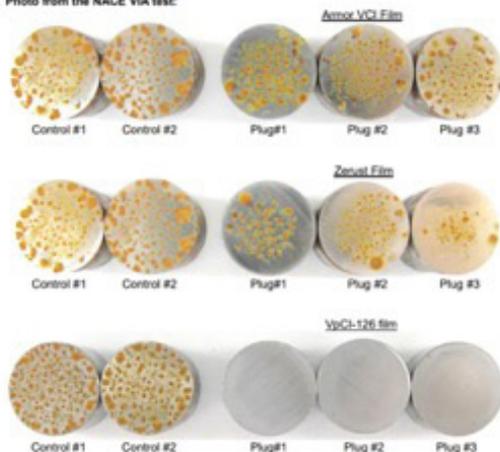




NEWS ALERT

Failed Competitor Test Supports Changeover to VpCI®-126 Film

Photo from the NACE VIA test:



Two competitor films recently failed razor blade and VIA testing after being received in good condition at Cortec® Laboratories. The corrosion protection capabilities of the blue Armor film and yellow Zerust film samples were being evaluated on behalf of a manufacturer who used these brands and was contemplating a switch to Cortec® VpCI® film.

The Armor and Zerust films underwent razor blade testing on carbon steel and copper panels to test their protective ability when in direct contact with metal. Both competitor films failed these tests in contrast to VpCI®-126 film, which passed all razor blade tests for carbon steel and copper in a previous test used for reference (Cortec® Laboratories Project #16-083-1125).*

The two competitor films also failed NACE VIA testing, which uses steel plugs to evaluate whether the film has vapor corrosion inhibiting ability. The plug is placed in the same enclosed space as the film—but not in direct contact with it—and subjected to a high humidity environment. In order to pass this test, all three metal plugs tested must meet or exceed Grade 2 requirements (defined as a “medium corrosion inhibiting effect”).

However, the two competitor films left plugs that were speckled with many corrosion spots that placed them at Grade 1 (defined as a “minute corrosion inhibiting effect”) or lower. In contrast, the reference set of plugs from NACE VIA testing of VpCI®-126 (Project #16-083-1125) successfully passed with two out of three at Grade 3 (“good corrosion inhibiting effect”) and one out of three at Grade 2 (“medium corrosion inhibiting effect”). The plugs appeared effectively clean and in good condition to the eye.

Cortec® holds all VpCI® film to a high standard by requiring it to pass VIA and razor blade testing before it can be shipped to customers. Compared with the unsatisfactory performance of the competitor film samples, the customer now has good evidence to support a change to Cortec® VpCI® films for improved reliability.

To learn more about testing opportunities, please visit the following link:

<http://corteclaboratories.com/>

The Cortec® Laboratories report is posted here:

<https://www.cortecvci.com/Publications/Reports/18-187-1125.bis.pdf>

*Cortec® requires all VpCI® film pass razor blade and VIA testing before release.

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for the Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001 and ISO 14001 Certified, and ISO 17025 Accredited.

