

- 4119 White Bear Parkway, St. Paul, MN 55110 USA
- Phone (651) 429-1100, Fax (651) 429-1122
- Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
- Internet http://www.cortecvci.com

Evaluating films submitted by Cortec Russia

Background: Sergey Budnitsky/Cortec Russia, submitted films to Cortec Corporation. Two of the films are manufactured by Zerust, (clear and yellow) and another two films are blue in color. One blue colored film has the markings, HET PETF, and the other blue film, has no markings and is slightly rigid.

Purpose: Evaluate the corrosion inhibition performance of submitted films

Method: Razor Blade Test
 VIA Test
 SO₂ Test
 Nitrite Test
 FT-IR Spectroscopy

Materials: Razor Blade Test Kit
 VIA Test Kit
 SO₂ Test Kit
 EM Quant Nitrite/Nitrate test (Lot # OC405590, Exp 9/07)
 Perkin Elmer FT-IR Spectrometer Paragon 1000

Procedure: The above tests were performed according to standard procedures for each.

Results:

Razor Blade Test

| Material | Panel #1 | Panel #2 | Panel #3 |
|--|----------|----------|----------|
| Film with labeling of HET PETF (blue), 2 mil | Pass | Pass | Pass |
| Submitted rigid film (blue), 2.5 mil | Pass | Pass | Pass |
| Control | Fail | Fail | Fail |

VIA Test

| Material | Plug #1 | Plug #2 | Plug #3 |
|--|---------|---------|---------|
| Film with labeling of HET PETF (blue), 2 mil | Grade 3 | Grade 3 | Grade 3 |
| Submitted rigid film (blue), 2.5 mil* | Grade 1 | Grade 2 | Grade 1 |
| Control | Fail | Fail | Fail |

* Unable to prevent film from curling during testing.



