CORTEC Laboratories
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
cortecvci.com • corteclaboratories.com

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2267 Testing

Comparing Industrie 3-36 Corrosion Inhibitor to Similar Cortec Products

From: Cortec Corporation Laboratories
4119 White Bear Parkway
St.Paul, MN 55110

cc: Boris Miksic
Anna Vignetti
DarioDell'Orto

Project #: 12-024-1825(bis)

Test conducted by: Eric Uutala

Eric Uutala
Technical Service Engineer

Approved by: M. Kharshan

Margarita Kharshan
Laboratory Director

Date: March 6, 2012

Background: Customer sent a sample of Industrie 3-36 to Cortec for testing. The corrosion prevention properties of this product will be evaluated and compared to similar Cortec products.

Sample Received: Industrie 3-36 (~3 ounces)

Method: ASTM D-1748 humidity cabinet (modified)

Materials: Industrie 3-36
VpCI-239
VpCI-325
1010 carbon steel panels
Methanol

Procedure: The following procedure was used:

1) Four carbon steel panels were cleaned with methanol prior to testing.
2) After cleaning, panels were treated as follows:
    a. The first panel was coated with Industrie 3-36.
    b. The second panel was coated with VpCI-239.
    c. The third panel was coated with VpCI-325.
    d. The fourth panel received no further treatment and was tested as a control.
3) After coating, all panels were hung to dry overnight.
4) Panels were then hung in ASTM D-1748 humidity cabinet.
5) All panels were visually inspected periodically.
6) After 500 hours, panels were removed from ASTM D-1748 humidity cabinet.
7) Panels were visually inspected.

Results: The following results were found:

Panel Treatment	Time to Corrosion (Hours)
Industrie 3-36	336
VpCI-239	336
VpCI-325	DNF*
Control	<24

DNF – Did not fail during 336 hours of testing.

Interpretations: After 500 hours of ASTM D-1748 humidity testing, VpCI-325 provided the best corrosion protection of the three products tested. VpCI-239 provided protection equal to Industrie 3-36.