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

VpCI-390 Customer Blue

To: Jessica Carpenter

For: **Cortec Corporation**
4119 White Bear Parkway
St. Paul, Mn. 55110

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

cc: Boris Miksic
Mike Gabor

Project #:13-038-1525.bis

Test conducted by:

Rick Shannon
Coatings Chemist

Approved by:

Margarita Kharshan
Laboratory Director

Date: May 31, 2013

Background: Customer supplied two pump housings and six panels for additional salt fog testing. One housing and three panels were coated with the trial run material supplied by Cortec, and one housing and three panels were coated with their standard product supplied by Sherwin Williams.

Method:

Salt Fog Test: ASTM – B117

Materials:

2 coated pump housings
6 coated panels

Procedure:

Panels and pump housings were coated and supplied to Cortec, by customer. There was no preparation involved for Cortec, so all parts were recorded and placed into test.

Salt Fog Test results: ASTM B-117

Products	Pump Housing	Corrosion Rating	Blisters	Field Failure
VpCI-390 Pump housing	720 hrs	< 5%	Very few #8	< 1%
Sherwin Williams Pump housing	720 hrs	< 5%	#4's with 2% peeling	>5%
VpCI-390 Panel	1520	None	None	None
SW Panel	1520	None	None	80% loss of gloss

Results relate only to the items tested

Pictures:

Cortec 720 hrs

Sherwin Williams 720 hrs

1520 hrs

Cold rolled steel panels; ASTM B-117

Interpretations:

Due to the heavy build film thickness, (6-8 mils dft), this test ran longer than the required 480 hours, this would not change the end results, it simply extended the test time.
Based on the test results VpCI-390 has better adhesion and better gloss retention after salt fog testing than the Sherwin Williams product.