



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

***Supplement to:
Evaluation of Competitor Armor's Crusade film vs Cortec 126 UV
Film
-- on Film UV Stability***

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

cc: Boris Miksic
Anna Vignetti
Cliff Cracauer
Bob Boyle
Mike Morin

Project #: 10-039-1125(bis)

Test conducted by:

A handwritten signature in blue ink that reads "Ming Shen".

Ming Shen

Approved by:

A handwritten signature in blue ink that reads "M. Kharshan".

Margarita Kharshan
Laboratory Director

Date: June 9, 2010



Background: The Armor's Crusade Film was tested in March 2010 for anticorrosion properties. It passed the Razor Blade Test, failed VIA test. This supplement is to report the result of the film's UV stability and the film's effect on carbon steel panel wrapped in it.

Sample Received: see the original report

Sample(s) labeled: see the original report

Method: ASTM G-53

Materials:

- 1) Submitted Armor film sample
- 2) Carbon Steel Panels
- 3) Methanol-lab grade

Procedure:

Per ASTM G-53

Results:

Days to corrosion for carbon steel panel wrapped in the Armor's Crusade film was 9 weeks, see figure 1. Days to breaking down of the film was 15 weeks, see figure 2.

Photos:



Figure 1



Figure 2

Interpretations:

The Armor Crusade film breaks down in QUV exposure in 15 weeks. In addition, it doesn't provide corrosion protection in vapor phase. Cortec VpCI-126 UV film, with 38 week UV stability and ability to multi metal protection both in contact and in vapor phase, is obviously a better choice.