CORTEC Laboratories, Inc.

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

Armor Film Evaluation for UV Protection

To: Joe Louisell
Metals Preservation Group
20420 Stephens
St. Clair Shores, MI 48080

For: Malvesa
12345 Main Street
Monterrey, Nuevo Leon
Mexica

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

cc: Boris Miksic
Cliff Cracauer
Robert Kean
Jay Zhang
Mike Gabor
Spencer Taylor

Project #: 18-103-1125.supplemental

Results reported by:

Brian Benduha
Lab Technician

Approved by:

John Wulterkens
Technical Service Engineer

Background: A sample of Armor film was submitted for testing. The original report included corrosion testing. This supplemental report will determine if the Armor film provides UV protection.

Sample Received: Green Armor Film, 2mil, 48W x 90L x 43in gusseted bag, received on 5-1-18 in good condition.

Method: Accelerated Weathering with UV Stability, ASTM G53

Materials: QUV Chamber- Accelerated Weathering Tester
Ultraviolet Lamps, UVB-313 EL
Carbon Steel panels, SAE 1010 (for razor blade testing)
Plain polyethylene film, 2mil (control film)

Procedure: The testing was conducted according to standard procedures

Results: The following results were found:

Sample	Panel #	Time to failure
Plain PE film, control, 2mil	1	Did not fail
	2	Did not fail
	3	Did not fail
Green Armor Film, 2mil	1	1320 hours
	2	1400 hours
	3	1400 hours

Interpretations: After 1400 hours of Accelerated Weathering Testing to determine UV protection, the Green Armor film failed before the control film of the same thickness. This would indicate that the Armor film does not provide UV protection.