







0

60

•

Background:	A sample of Armor film has been submitted for corrosion testing. This film might also provide UV protection, but will need to be confirmed.		
Sample Received:	Green Armor Film, 2mil, 48W x 90L x 43in gusseted bag, received on 5-1-18 in good condition.		
Method:	VIA Test, CC-027 Accelerated Weathering with UV Stability, ASTM G53* Razor Blade Test, CC-004* Nitrite/Nitrate Test* *The tests marked are not covered under Cortec Laboratories, Inc. ISO 17025 Scope of Accreditation		
Materials:	VIA test kit (testing jars and lids, steel plugs, 320grit sandpaper) Carbon Steel panels, SAE 1010 (for razor blade testing) Glycerol (lot #Q10A018) Methanol, ACS grade (lot #071417B) Nitrite/Nitrate Test Strips (lot #HC719626) Plain polyethylene film, 2mil (control film) 40°C oven (oven #5) QUV Chamber- Accelerated Weathering Tester Ultraviolet Lamps, UVB-313 EL		
Procedure:	The testing was conducted according to standard procedures for each test. Note- the VIA test was conducted using two strips of sample per jar (1" X 6" per strip)		

Results: The following results were found:

Razor Blade Test- Carbon Steel Panels

Sample	Panel #1	Panel #2	Panel #3	End Result			
Green Armor Film	Fail	Fail	Fail	Fail			
Control	Fail	-	-	Fail			

VIA Test							
Sample	Plug #1	Plug #2	Plug #3	End Result			
Green Armor Film	Grade 2	Grade 1	Grade 1	Fail			
Control	Grade 1	-	-	Fail			

Nitrite/Nitrate Test Strips

The Green Armor Film does not contain any nitrite/nitrate

Interpretations: The submitted Armor film does not provide sufficient contact or vapor phase corrosion protection to pass the VIA and razor blade tests.

UV testing is still in progress. A supplemental report will be issued once the testing is complete.

Photo from the VIA test:



VIA Test Grades (Grade 2 and 3 are passing) All three plugs must be grade 2 or better to pass the test

