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***Evaluating VCI Capabilities of White Film  
Manufactured by CorrPack Brasil***


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**Project #:** 15-258-1125

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**Background:** Cortec Laboratories was asked to verify the VCI capabilities of a white film made by CorrPack Brasil. Based on the look and construction, it is believed this film is CorrPack Corr shrink VCI-327.

**Sample Received:** Opaque, white shrink film, ~6.5 mil (162.5 micron) good condition

**Method:** Nitrite Test\*  
Razor Blade Test, CC-004\*  
VIA Test, CC-027

\*Cortec Laboratories, Inc. is not ISO/IEC 17025 accredited for the test(s) marked.

**Materials:** Nitrite test strips  
Razor Blade test kit  
VIA test kit  
Polyethylene film (control)

**Procedure:** All tests were performed according to standard procedure.

**Results:**

**Nitrite Test:** No Nitrite Found

**Razor Blade (Copper)**

Sample	Panel 1	Panel 2	Panel 3	Overall
White Film	Fail	Fail	Fail	Fail
Control	Fail	-	-	Fail

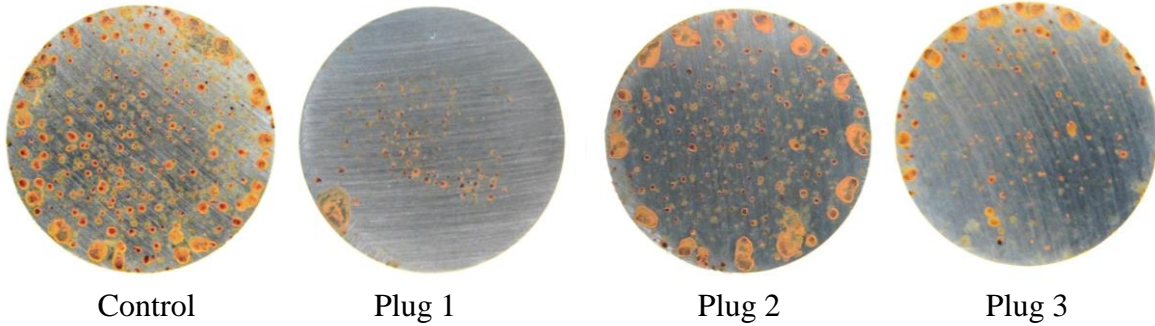
**Razor Blade (Steel)**

Sample	Panel 1	Panel 2	Panel 3	Overall
White Film	Fail	Fail	Pass	Fail
Control	Fail	-	-	Fail

**VIA Test**





Sample	Plug 1	Plug 2	Plug 3	Overall
White Film	2	1	1	Fail
Control	0	-	-	Fail

**Photos from VIA Test**



VIA Test Grading

All three plugs must be grade 2 or better to pass the test

Grade 0:	Blind test No corrosion inhibiting effect	
Grade 1:	Blind test Minute corrosion inhibiting effect	
Grade 2:	Blind test Medium corrosion inhibiting effect	
Grade 3:	Blind test Good corrosion inhibiting effect	

**Interpretations:** Although it is marketed as VCI, the white film from CorrPack Brasil does not offer sufficient contact or vapor phase corrosion protection to pass Cortec VCI packaging tests.

Because the film is opaque, FTIR analysis was not performed.