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Comparing VpCI-126 Blue Film to Green Film Currently Used by Customer

To: Bob Dessauer

For: Customer

- From: Cortec Corporation Laboratories 4119 White Bear Parkway St. Paul, MN 55110
- cc: Boris Miksic Cliff Cracauer Mike Gabor

Project #: 13-157-1125.bis

Test conducted by:

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Background:	Customer manufac castings a year. Cu and compared to V	Customer manufactures over 85 million pounds of grey and ductile iron castings a year. Customer would like their current green film evaluated and compared to VpCI-126 in accelerated corrosion conditions.		
Sample Received	: Three iron castings Green film (4-mil)	Three iron castings Green film (4-mil)		
Method:	ASTM D-1735 Wa	ASTM D-1735 Water Fog		
Materials:	Iron castings Green film manufa VpCI-126 Blue filı	Iron castings Green film manufactured by Wisconsin Film & Bag VpCI-126 Blue film (Batch #310220)		
Procedure:	The following procedure was used:			
	 Iron castings w After visual ins After visual ins After visual ins	 Iron castings were visually inspected prior to testing. After visual inspection, parts were prepared as follows: a. No preparation (control) b. Packed in green film c. Packed in VpCI-126 Blue Film 		
Results:	The following results were found:			
	Treatment	Time to Corrosion (Hours)		
	None (control)	<4		
	Green film	48		
	VpCI-126 Blue Film	168		

Photos: See below.



Figure 1: Control part, after 168 hours in ASTM D-1735 testing.



Figure 2: Green film packed part, after 168 hours in ASTM D-1735 testing.



Figure 3: VpCI-126 wrapped part, after 168 hours in ASTM D-1735 testing.

Interpretations: After 168 hours in ASTM D-1735 testing, VpCI-126 provided significantly better corrosion protection than the green film currently used by customer.