



Salt Spray Testing of 40 Panels

Prepared for:

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Date: August 13, 2012
Revised: September 13, 2012

Anderson Laboratories, Inc.

Project Number: P12-1512B

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Sample Identification: Salt Spray Testing of 40 Panels

Purchase Order#: 8475

Project Number: P12-1512B
Supplement to P12-1512

Objective: We were requested to expose 40 panels to a salt fog environment meeting the requirements of ASTM B117 for periods of 8, 24, 48, 72, 96, 100, 120 and 168 hours or until 10% of the surface was covered with white corrosion based on customer supplied instructions.

Procedures and Data: The following panels were removed when the test surface was covered with 10% white corrosion or at the corresponding number of hours:

	%Red Corrosion
072712 -Controls-EG(20G)	0
1 Panel @ 8 Hours	1
1 Panel @ 24 hours	75
1 Panel @ 48 hours	90
1 Panel @ 72 hours	
072712 -Controls-EG(30G)	
1 Panel @ 8 Hours	0
1 Panel @ 24 hours	0
1 Panel @ 48 hours	0
1 Panel @ 72 hours	1
072712 -Controls-EG(ZincNickel)	
1 Panel @ 8 Hours	0
1 Panel @ 24 hours	0
1 Panel @ 48 hours	0
1 Panel @ 72 hours	0
072712-315MPTFE EG (20G)	
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0
072712-315MPTFE EG (30G)	
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0

Procedures and Data (continued):

072712-315MPTFE EG (ZincNickel)	%Red Corrosion
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0
072712-315MPTFE B EG (20G)	
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0
072712-315MPTFE B EG (30G)	
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0
072712-315MPTFE B EG (ZincNickel)	
1 Panel @ 72 Hours	0
1 Panel @ 100 hours	0
1 Panel @ 120 hours	0
1 Panel @ 168 hours	0
072712-NC CG 115B EG (20G)	
1 Panel @ 48 Hours	0
1 Panel @ 72 hours	0
1 Panel @ 96 hours	0
1 Panel @ 10% WHITE rust but no more than 168 hours	168 hours

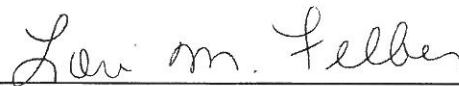
The conditions inside the cabinet were as follows:

Solution	5% NaCl	pH of Collected Solution	6.5 to 7.2
Chamber Temperature	95 ± 1°F	Average Collection Rate	1-2 ml/hr./80 cm ²
Specific Gravity @ 95 °F	1.025 to 1.040		

ANDERSON LABORATORIES, INC.



Michael Porfilio
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NDE Level III / Certified Lead Auditor



Lori M. Felber
Quality Assurance Manager
Certified Lead Auditor

BMC

The above tests were performed using one or more of the following specifications: ASTM A48, A247, A262, A370, B117, B328, B368, B748, E2 (SM 11-22), E3, E8, E9, E10, E18, E21, E23, E34, E45, E92, E112, E212, E290, E340, E350, E352, E353, E381, E384, E404, E407, E415, E562, E663, E766, E883, E986, E1019, E1024, E1077, E1086, E1251, E1508, G053, G154, ASME IX, AWS D1.1, MIL-S-867A, NAVSEA S9074-AQ-GIB-010/248, SAE J81, EN 10002 Part 1, EN 10045 Parts 1 & 2, EN 10204 Section 3.1.C, and Anderson Laboratories' Quality Manual Revision K dated 10/12/09. This report shall not be reproduced except in full, without the written approval of Anderson Laboratories, Inc.



072712-315MPTFE EG (20G)
ASTM B117 Salt Spray



72 Hours



100 Hours



120 Hours



168 Hours

072712-315MPTFE EG (30G)
ASTM B117 Salt Spray



72 Hours



100 Hours



120 Hours



168 Hours

072712-315MPTFE EG (ZincNickel)
ASTM B117 Salt Spray



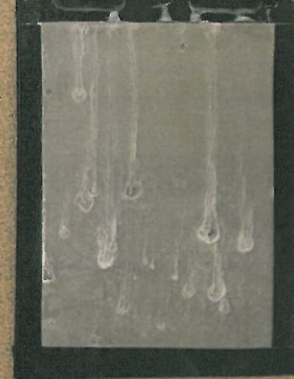
72 Hours



100 Hours



120 Hours



168 Hours

072712-315MPTFE B EG (20G)

ASTM B117 Salt Spray



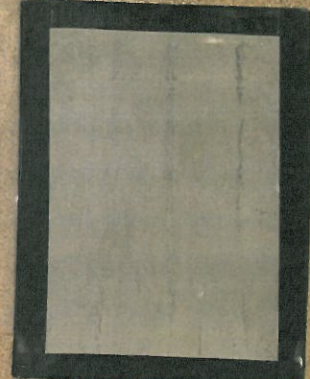
72 Hours



100 Hours



120 Hours



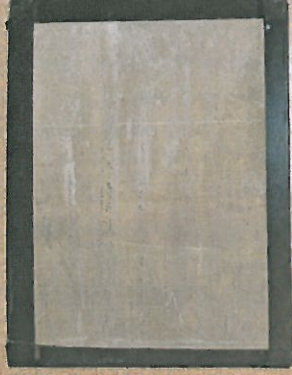
168 Hours

072712-315MPTFE B EG (30G)

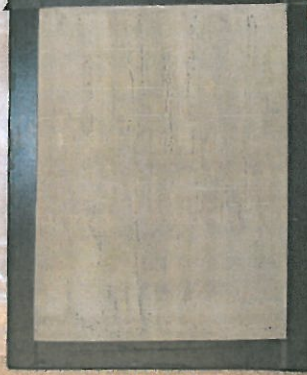
ASTM B117 Salt Spray



72 Hours



100 Hours



120 Hours



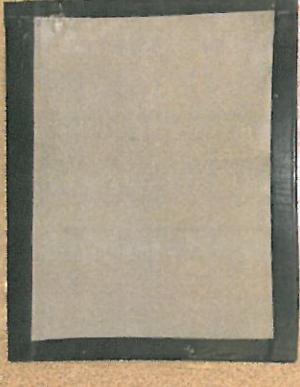
168 Hours

072712-315MPTFE B EG (ZincNickel)

ASTM B117 Salt Spray



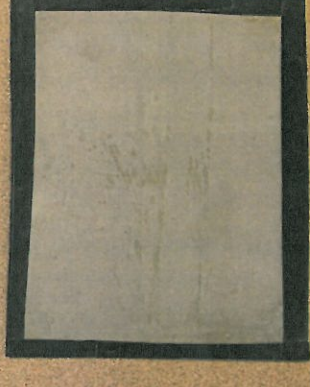
72 Hours



100 Hours



120 Hours

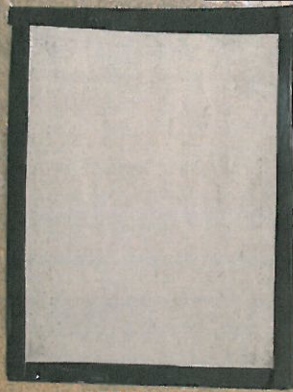


168 Hours

072712-NC CG 115B EG (20G)
ASTM B117 Salt Spray



72 Hours



100 Hours



120 Hours



168 hours