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LABORATORY REPORT

Attn: Robert Harris  
Building Fasteners, LLC  
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Tulsa, OK 74145

Report No.: 10070698-001-v1  
Date Received: 7/16/2010  
Date Reported: 8/31/2010  
P.O. No.: 002649

Sample Description:

- Sample #1: Mech/Zinc, Plain
- Sample #2: Mech/Zinc, Painted
- Sample #3: Electro Zinc; Plain
- Sample #4: Electro Zinc; Painted
- Sample #5: Oxy-Seal; Plain
- Sample #6: Oxy-Seal; Painted
- Sample #7: Silver Sentry; Plain
- Sample #8: Silver Sentry; Painted
- Sample #9: Dynamic; Plain
- Sample #10: Dynamic; Painted
- Sample #11: Leland; JS500; Plain
- Sample #12: Leland; JS500; Powder Coat
- Sample #13: Sealtite; Mech/Zinc; Plain
- Sample #14: Sealtite; Mech/Zinc; Powder Coat

Work requested: 1000 hour salt spray with daily checks

Neutral 5% Salt Spray (Fog) Exposure per ASTM B117-09

Exposure in Salt Spray Cabinet, Hours: 1,008  
Tested for Conformance to: Internal requirements  
Evaluation Requirements: Examine for red rust on coated head of screw. At the first sign of red rust individual screws were removed from the chamber.  
Number of Specimens Tested: 14 sets of 10 pcs. each

Evaluation	Results/Observations
72 hours	#7 - 1 failed #9 - 1 failed
144 hours	#3 - 9 failed #7 - 7 failed #8 - 4 failed #9 - 6 failed #13 - 2 failed
168 hours	#3 - 1 failed (Test complete) #5 - 2 failed #6 - 4 failed #7 - 1 failed #13 - 1 failed

Test results relate only to the items tested. This document shall not be reproduced, except in full, without the written approval of Sherry Laboratories. The recording of false, fictitious, or fraudulent statements or entries on this document may be a punishable offense under federal and state law. A2LA Accredited Laboratory Certificate No. 1089-01 (Mechanical) & 1089-02 (Chemical).

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Evaluation	Results/Observations
192 hours	#1 - 1 failed #5 - 3 failed #7 - 1 failed (Test complete) #8 - 1 failed #13 - 2 failed
216 hours	#5 - 1 failed
240 hours	#1 - 7 failed #9 - 1 failed #11 - 1 failed
288 hours	#5 - 4 failed (Test complete) #8 - 1 failed (Test complete) #9 - 2 failed (Test complete) #11 - 9 failed (Test complete) #13 - 5 failed (Test complete)
336 hours	#1 - 2 failed (Test complete) #4 - 5 failed #6 - 7 failed
360 hours	#14 - 2 failed
456 hours	#2 - 2 failed #4 - 4 failed #6 - 3 failed (Test complete) #12 - 2 failed #14 - 5 failed
480 hours	#2 - 1 failed #14 - 1 failed
504 hours	#14 - 1 failed

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Evaluation	Results/Observations
624 hours	#4 – 1 failed (Test complete) #12 – 3 failed #10 – 2 failed
720 hours	#12 – 1 failed #10 – 3 failed
816 hours	#10 – 2 failed
840 hours	#10 – 1 failed #12 – 2 failed
1008 hours	#10 – 2 failed (Test complete)

**COMMENT:**

After 1,008 hours of salt spray exposure the following samples did not show any signs of red corrosion products on the coated screw heads.

- Sample #2: Qty-5 (50% of original group)
- Sample #12: Qty-1 (10% of original group)
- Sample #14: Qty-1 (10% of original group)

Approved by   
 Chad Jones, Manager of Nonmetallic Testing  
 Sherry Laboratories