

Purpose:
Standard Salt/Fog is the industry benchmark for corrosion data. This test does not attempt to simulate any particular environment but provides an excellent means for comparison and typical corrosion evaluation. This test is also used to determine the galvanic corrosion potential of a system of metallic parts that are in contact with one another.

Test Procedure:
Due to the wide range and variety of types of samples that have the potential to experience some form of corrosion or blistering due to this corrosive environment, specific procedures are dependent on specific samples.
 1) Samples shall be suspended or supported between 15 and 30° from the vertical and preferably parallel to the principal direction of the flow of fog through the chamber, based upon the dominant surface being tested for the requested exposure period.
 2) The samples shall not contact each other or any metallic material, or any material capable of acting as a wick.
 3) Each sample shall be placed as to permit free settling of fog on all samples.
 4) Salt solution from one specimen shall not drip on any other specimen.
 5) Visual ratings and observations can be made according to the ASTM references. Exposure times will vary based on the material being tested or an agreement between the customer and the vendor. The testing Engineer will supply the required exposure time and observation frequency.

Performance:
Varies based on the sample being tested.

References:
 ASTM B 117 - Standard Practice for Operating Salt Spray (Fog) Apparatus
 ASTM D 610 - Standard Test Method for Evaluating Degree of Rusting on Painted Steel Surfaces
 ASTM D 714 - Standard Test Method for Evaluating Degree of Blistering of Paints
 ASTM D 1654 - Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
 ASTM D 2803 - Standard Guide for Testing Filiform Corrosion Resistance of Organic Coatings on Metal

Start Date: 2-Dec-14 Start Time: 42993.4 Hrs	2,000 hour Stalgard Silver coated fasteners were tested to 2,010 hours without any red corrosion. [MIKE H]
Finish Date: 25-Feb-15 Finish Time: 45003.4 Hrs	
Total Test Exposure 2010.0 hrs	

		Comments
Check Date	Hrs in Chamber	Stalgard Silver
25-Feb-15	2,010	