


<h2>Technical Definition</h2> <p>Salt Spray Corrosion Test – XC 18 (Steel)</p>	Revision No. 1	Page 1 of 1
		
	Kit 7-1 AGS PTP 2012	

Instructions to participant laboratories

Please read carefully these instructions **BEFORE** starting the tests.

1. Five specimens are supplied to each participant
2. No additional machining of specimens is required
3. Each participant is required to determine the mass loss for each specimen
4. Results are to be reported as mass loss in mg
5. All tests are to be performed in accordance with the requirements of ASTM B117* and the instructions shown below:

Preparation of panels before testing - before testing each specimen is to be degreased, so that the surfaces are free of dirt, oil, or other foreign matter that could influence the test results. After cleaning, weigh each panel on an analytical balance to the nearest 1.0 mg and record the mass.

Positioning of the test specimens – after weighing locate the specimens into the salt spray cabinet, with the 127-mm (5.0 in.) length supported 30° from vertical. Place the specimens in the proximity of the condensate collectors.

Duration of Test - Expose the specimens to the salt fog for 48 hours.

Cleaning of test panels after exposure - after removal of the specimens from the cabinet, rinse each panel immediately with running tap water to remove salt, and then rinse in reagent grade water (ASTM D1193, Type IV). Chemically clean each panel for 10 min at 20 to 25°C in a fresh solution prepared as follows:

Mix 1000ml of hydrochloric acid (sp gravity 1.19) with 1000ml reagent grade water and add 10g of hexamethylene tetramine. After cleaning, rinse each panel with reagent grade water and dry.

Determining Mass Loss - immediately after drying, determine the mass loss for each specimen by reweighing and subtracting the mass after exposure from its original mass.

6. Testing may commence as soon as test specimens are received. All participant laboratories must supply results by 1st June 2012.
7. Instructions for submission of results are detailed on the website:
www.proficiency-testing-programs.com
8. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.

* Note: Refer to the latest issue of the standard