



Designation: B 368 – 97 (Reapproved 2003)^{ε1}

Standard Test Method for Copper-Accelerated Acetic Acid-Salt Spray (Fog) Testing (CASS Test)¹

This standard is issued under the fixed designation B 368; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

^{ε1} NOTE—Sections 8.1 and 10.1.12 were editorially updated in July 2003.

1. Scope

1.1 This method prescribes the conditions required in copper-accelerated acetic acid-salt spray (CASS) testing for specification purposes. The standard does not specify the type of test specimen or exposure periods to be used for a specific product, nor the interpretation to be given to the results.

1.2 This method is applicable to evaluating the corrosive performance of decorative copper/nickel/chromium or nickel/chromium coatings on steel, zinc alloys, aluminum alloys, and plastics designed for severe service. It is also applicable to the testing of anodized aluminum. The suitability of this test and correlation of results with service experience should be determined before it is specified for coating systems or materials other than those mentioned in this paragraph.

NOTE 1—The following standards are not requirements. They are referenced for information only: Practices B 537 and E 50, Specifications B 456 and B 604, and Test Method B 602.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For more specific safety precautionary information see ~~8.1.1, 8.1.~~

2. Referenced Documents

2.1 ASTM Standards:

B 117 Practice for Operating Salt Spray (Fog) Apparatus²

¹ This method is under the jurisdiction of ASTM Committee B-8 B08 on Metallic and Inorganic Coatings and is the direct responsibility of Subcommittee B08.10 on General Test Methods.

Current edition approved Oct. 10, 1997; 2003. Published March 1998; July 2003. Originally published as B 368 – 61 T, approved in 1961. Last previous edition B 368 – 85 (1997), approved in 1997 as B 368 – 97.

The CASS test was developed by the initiative of the Research Board of the American Electroplaters Society under AES Project 15.