Salt Spray Fog Test

Salt spray (fog) testing is the most popular form of testing for protective coatings. These tests have been used as accelerated tests in order to determine the degree of protection afforded by both inorganic and organic coatings on a metallic substrate.

The neutral salt spray (fog) test (ASTM B 117): is perhaps the most commonly used salt spray test in existence for testing inorganic and organic coatings, in particular where such tests are used for material or product specifications. The duration of the test can range from 8 to over 3000 hours, depending on the product. A 5% sodium chloride solution containing not more than 200 parts per million (ppm) total solids and with a pH range of 6.5 to 7.2 is used. The temperature of the salt spray chamber is controlled to maintain 35 + 1.1 or – 1.7°C within the exposure zone of the closed chamber.

The material to be tested is usually placed into a chamber and a solution of sodium chloride is sprayed onto its surface. The test can help researchers and product designers develop paints, coatings, or film that is more resistant to salt damage.

The Solution

Intertek Turkey is pleased to announce that the test equipment has been installed and the test according to ASTM B117 can be conducted beginning from May 2011.

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