



## PROPERTIES TECHNICAL BULLETIN

“ For years, the coatings industry employed ASTM B 117 to evaluate the corrosion resistant properties of coatings. Research conducted during the last 15 years has proven that this method does not correlate with actual atmospheric exposures. Today with the reformulation of many protective coatings to comply with VOC regulations, an accurate corrosion acceleration test method is needed more than ever. ASTM D 5894 addresses this need. This new method offers an improved technique for comparing the relative durability of coatings. Its use can make the difference between selecting a coating system that affords effective protection and one that fails. ”

— *Journal of Protective Coatings and Linings*

Below is a listing of the description of the ratings used for evaluation as per ASTM D 5894 and the resultant typical values achieved by EPOX-Z.

**ASTM D 714:** 10 represents no visible signs of blistering which is the highest/best rating.

**Test result: 10**

**ASTM D 1654:** Corrosion creepage is rated on a 0 to 10 scale with 10 representing 0" of corrosion and 0 representing ~0.625" or more of corrosion creepage. A rating of 8 represents approximately 1/64" to 1/32" of corrosion creepage. The rating is based upon the average creepage along the scribe.

**Test Result: 8**

**ASTM D 3359, Method A** is an X-Cut Tape Test; Adhesion is rated on a 0A (Removal of coating beyond the X) to 5A (No peeling or removal of coating) scale.

**Test Result: 5A**

**ASTM D 4214, Method A - Cloth Tape Method;** Chalking is rated against Photographic Reference Standard No.1 - Test Method D 659 with the standard having four ratings: No. 2 (severe chalking), No. 4 (moderate to severe chalking), No. 6 (moderate chalking), and No. 8 (light chalking).

**Test Result: 8**



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