



PROPERTIES TECHNICAL BULLETIN

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.”

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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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