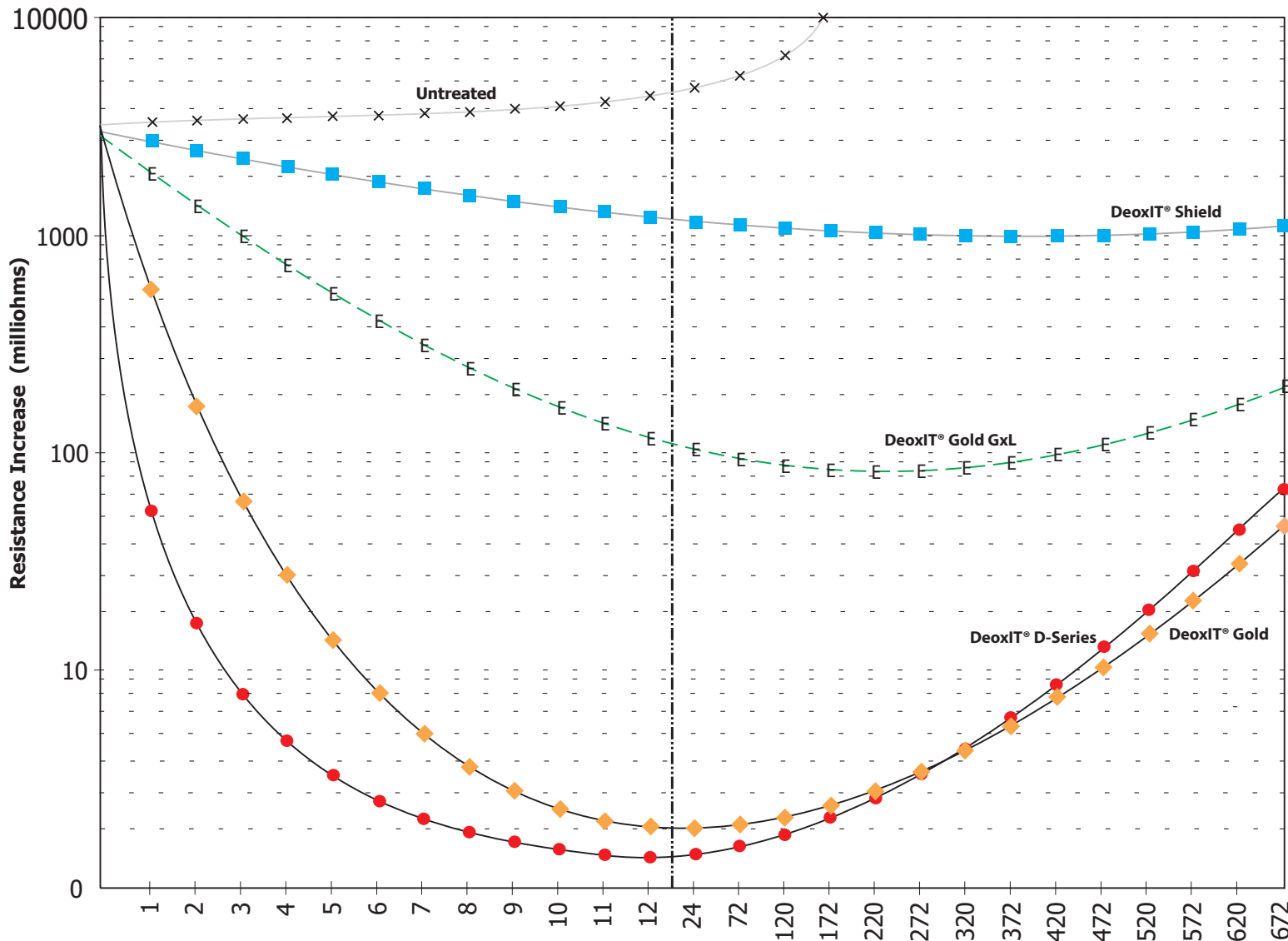


# OXIDATION/PROTECTION TEST

RESISTANCE INCREASE VS. TIME EXPOSED  
 SAMPLES EXPOSED/OXIDIZED



**TEST SAMPLES:**

Tin plated copper 3/4" squares. Samples exposed to hydrogen disulfide with a constant time and temperature.

**TEMPERATURE:**

After 12 hours, all samples exposed to 180°C temperature at approximately 85% humidity.

**TIME:**

Life cycle test. Exposing samples to 180°C for 600 hours estimates 10 years exposure.

**Note:** Actual results may vary. Degree of exposure to salt, sulfur and other contaminants may increase or decrease length of protection.

**TEST MEASUREMENTS:**

Test fixture provides a constant 400 grams of force to the spring loaded contact points. First 12 hours samples tested every hour for resistance measurements. Remainder of life cycle test, samples removed from oven every 24 hours for measurements.

