

SITE

XX, Australia

SURFACE

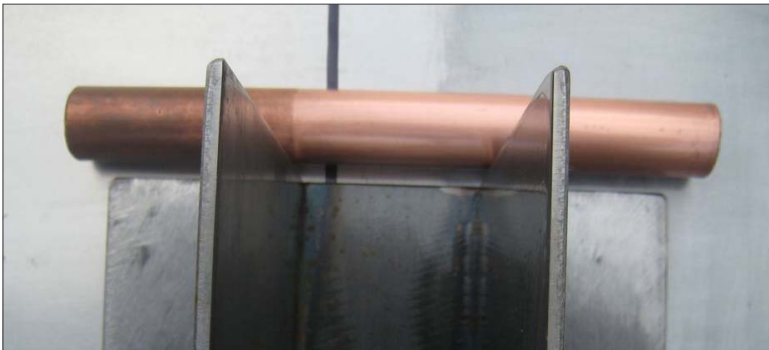
Standard Aluminum
Mild Steel
Copper

SOLUTION

Galvanic Corrosion

SUMMARY

When coated with TruNano™ Metal Armor (which is non-conductive) the transmission of electricity from the dissimilar metals is eliminated, thus preventing galvanic corrosion. After five days, the untreated portions show the effects of galvanic corrosion. Preventing galvanic corrosion is crucial to prolonging the life cycle of assets constructed of dissimilar metals.



START

Date: 07.20.11

The top half of each material was treated with TruNano™ Metal Armor on 07.13.11. Materials were placed in the environment on 07.20.11.



DAY 1

Date: 07.21.11

Temperature: 13° C

Conditions: Rain



DAY 5

Date: 07.25.11

Temperature: 10° C

Conditions: Rain