



NU-BOLT™ COATINGS TEST



Hot dip galvanized

Xylan 1014
No primer - Vendor B

Xylan F9300215 Blue
No primer - Vendor A
(2 samples)

SermaGard 1280
1105 primer - Pair A
(2 samples)

Xylan 1014 Blue
4090 primer - Vendor A
(2 samples)

SermaGard 1280
1105 primer - Pair B
(2 samples)

COATINGS TESTED

Hot dip galvanized: Suitable for moderately aggressive environments.

SermaGard: An aluminum-ceramic coating offering superior corrosion resistance in aggressive environments.

Xylan: Coating provides corrosion protection with lubrication and controlled friction, wear resistance, heat resistance, non-stick and release properties.

TEST SET-UP

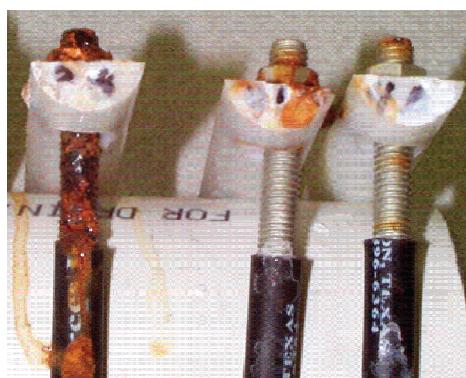
Various samples of galvanized, SermaGard and Xylan coated Nu-Bolts were exposed to 2,500-hour salt fog (ASTM-B117). The full test set-up is shown at left.

RESULTS/ CONCLUSIONS

The **SermaGard** coatings were clearly the best, showing no corrosion at all. Easy nut breakout with no corrosion under threads.

The **galvanized** sample had less corrosion damage than the Xylan-coated samples, but breakout was impossible.

The **Xylans** performed worst; all samples were heavily corroded. However, breakout was possible on 4 of 5 samples.



Left to right:

Xylan 1014 with
4090 primer,
SermaGard 1280
with 1105 primer
(2 samples)



Left to right:

Hot dip galvanized-
with 4090 primer,
Xylan, no primer
Vendor A
Xylan, no primer
Vendor B