

## **Sure Drive USA® introduces COPPERGUARD™. OK for ACQ !**

Copperguard™ ACQ-approved decking screws feature a Recex® Square-Phillips combo drive, self-countersinking nibs, patented Woodmaster® cutting threads and our exclusive Copperguard® four step coating process using the latest technology in organic polymers.

We have listed below the testing method and results we received from an independent laboratory. For over 18 months we have continually tested the Copperguard® coating in ACQ, CA and AZCA in a variety of labs to provide you, our customer, with current, reliable information regarding ACQ testing.

Some companies claim their deck screws have a lifetime guarantee. We will not make such a claim. With our fasteners being used across the country and in a variety of different environments we stand behind our products 100%. We will not however guarantee a carbon steel screw will not rust for life. If you need a fastener that is guaranteed for life we direct you to our high quality SEAMASTER® stainless steel deck screw line. If you are looking for a lower cost alternative to stainless steel that offers you the maximum protection and eliminates the need for pre-drilling then we highly recommend our Copperguard™ deck screw. Contact your Sure Drive USA® sales representative for more information. Toll free 866-767-1850 or 888-219-1700 or email us directly at [sales@suredrive.com](mailto:sales@suredrive.com).

### **Method**

Ten screws with our COPPERGUARD™ coating were tested in a neutral salt spray chamber, five installed completely into the ACQ treated lumber, and five installed and removed three times into the lumber with the first few threads left exposed. Five screws installed flush in ACQ lumber was tested in Kesternich.

### **Result**

The COPPERGUARD™ coated screws installed completely into the ACQ lumber first exhibited red rust in the recessed heads at 1128 hours in salt spray. At 1500 hours these screws exhibited less than 5% red rust.

The COPPERGUARD™ screws installed five times with the threads exposed did not exhibit any red rust at 1500 hours

The COPPERGUARD™ coated screws tested in Kesternich first exhibited red rust in the recessed heads at 28 cycles, at 35 cycles there was less than 5% red rust. Figure one and two are pictures of these parts.

The COPPERGUARD coated screws installed completely into the ACQ lumber first exhibited red rust in the recessed heads at 1056 hours in salt spray. At 1500 hours these screws exhibited less than 5% red rust.

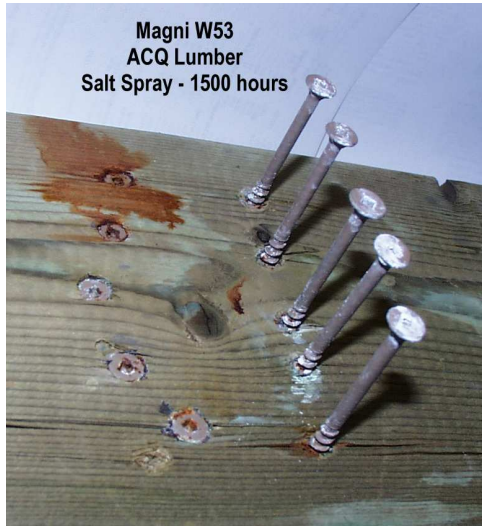
The COPPERGUARD™ screws installed five times with the threads exposed first exhibited red rust at 1416 hours and they had less than 1% red rust at 1500 hours.

The Copperguard™ coated screws tested in Kesternich first exhibited red rust in the recessed heads at 32 cycles, at 35 cycles there was less than 5% red rust. Figure three and four are pictures of these parts.

## Conclusions

SURE DRIVE USA's minimum specification for this new coating was 1500 hours salt spray and 30 cycles Kesternich with less than 5% red rust. Sure Drive USA's COPPERGUARD™ coating exceeded this minimum specification.

Figure 1: W53 - Salt spray



Note: Rust on the upper left corner around the top two screws was caused by rust dripping of another part in the salt spray cabinet. This accident occurred at 1440 hours.

Figure 2: W53 - Kesternich



Figure 3: W71 – Salt spray



Figure 4: W71 - Kesternich

