



“TFC SPECIFIC” FASTENERS FOR USE IN TREATED LUMBER AND FIRE RATED LUMBER

Lumber treated with arsenic (CCA – Chromated Copper Arsenic) is no longer produced for residential applications, and a new treated lumber material known as ACQ (Alkaline Copper Quaternary) is being utilized.

From a fastener standpoint, it's important to know that ACQ has up to six (6) times more copper content than the wood it replaces. This condition can cause fasteners plated with electro-plated zinc to corrode at a very fast rate, leaving the bare steel to red rust.

As recommended by the Southern Pine Council (SPC); recognized by the NRCA and the MCA; required by the International Residential Code (R319.3) and the International Building Code (2304.9.5), the following fasteners are acceptable for use in ACQ pressure treated lumber and fire rated lumber;

- Hot-dipped galvanized complying with ASTM A153,
- or coated with proprietary anti-corrosion coatings.
- For maximum corrosion protection, fasteners made from 302, 304, 305 or 316 stainless steel (18-8) should be considered.

Below is a list of TFC brand fasteners that is acceptable for use in ACQ treated lumber or Fire Rated lumber.

1. BLAZER® Drill Screws for wood-to-metal applications coated with TRI-SEAL™ long-life ceramic topcoat.
2. CONCEALOR® Low Profile Pancake head screws coated with TRI-SEAL™ long-life ceramic topcoat.
3. CONCEALOR® ULP Ultra Low Profile head screws coated with TRI-SEAL™ long-life ceramic topcoat.
4. PANEL-TITE® Post Frame metal-to-wood screws coated with TRI-SEAL™ long-life ceramic topcoat.
5. PANEL-TITE® SS Post Frame metal-to-wood screws made of 305 stainless steel.
6. SENTRY PLUS FIVE® Roofing Fasteners coated with an electro-coated epoxy (E-coat) topcoat.
NOTE: Approved for the attachment of treated wood to metal or concrete. Approved for the attachment of a prepunch roof clip to treated wood. Not approved for the attachment of metal panel, trim or siding to treated wood where the screw must penetrate the steel.
7. TRACER® Drywall screws coated with TRI-SEAL™ long-life ceramic topcoat.
8. TRI-SEAL™ Long-life coated screws.
9. Any fastener made from 300 series stainless steel.
10. Any fastener made from 410 stainless steel

Note: Estimating service life of fasteners in ACQ treated lumber cannot be determined due to variables uncontrollable by TFC. Stainless steel screws are recommended. It is important that if carbon steel fasteners are used, they are at the least coated with a finish that provides protection equal to or better than hot dipped galvanized like the ones listed above. Determining the proper fastener is the responsibility of the user or specifier, who assumes all risks and liabilities.

Rev.: 062420JS