





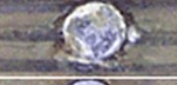









The chemicals that are in treated wood has changed since 2004. Although the new chemicals are proven much safer for people who work with them, an unfortunate side effect is the increased corrosive properties, as much as 3 times as corrosive of non-treated lumber on steel & aluminum, like staples, screws, and nails. Typically water and salt are the issue for the fasteners, however, in treated wood, the issue is the embedded chemical in the wood.

Corey Zussman, AIA, NCARB - Director of Quality Management

Selecting the appropriate Fasteners for Treated Lumber

- The new chemicals used in treated lumber are more corrosive. Far greater amounts of red & white rust have appeared in the new treated lumber quickly after installation.
- Hot dipped galvanized fasteners are code, however, manufactures DO NOT recommend its use for treated lumber.
- Never use aluminum or electroplated galvanized fasteners.

Hours/Fastener Types	120 Hours	300 Hours	500 Hours
Typical Exterior Screw			
Typical Exterior Nail			
Stainless Steel Screw			
Stainless Steel Nail			

500 Hours is only 20 days

- Due to the uncertainty of the galvanizing thickness and it's life in a hostile environment, such as treated lumber, Hot-dipped galvanized fasteners are deemed not adequate by the major hardware manufactures! The major hardware manufacturers recommend **STAINLESS STEEL** fasteners for connecting treated lumber when ever possible.
- **DO NOT MIX HOT DIPPED GALVANIZED ATTACHMENTS WITH STAINLESS STEEL FASTENERS and THE OPPOSITE.**
- There might be other suitable coatings, however, anything but Stainless Steel must be verified with the manufacture of the treated lumber in writing.
- Not all stainless screws are acceptable. Use type 304 & 316 only.
- Locations for concern include roof blocking, wall blocking, wall and floor studs, sill plates, outside decks, walkways, marine locations, etc.
- If other hardware is used than stainless steel, separation material must be installed between the lumber and the metal.
- If anything else but stainless steel is used, it is recommended to have a maintenance program in place to verify the condition of the fastener or attachment.

We should meet or exceed Manufacturer's Standard for Fasteners & Hardware Attachments to Treated Lumber —which typically is Stainless Steel

THERE IS ALSO AN ISSUE WITH ANY TYPE OF TREATED LUMBER RESTING DIRECTLY ON METAL DECKS...The Steel Deck Institute recommends a barrier of Water and Ice Shield or equivalent be used between pressure treated lumber and steel deck products or accessories.

Technical Bulletin Filing

Technical Issue:
Fasteners for Treated Lumber
found in
SharePoint **Quality database** under
Quick Quality >
Quality Technical Bulletins > 060000
Fasteners for Treated Lumber



Additional Information

Shop drawings can not be used to change the Architect/ Engineer's drawings...

A drawing or directive from the A/E must follow.

Please visit the **Quality database** in SharePoint often & call me if you have any questions or comments.