



TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1.800.TEC.WOOD (832.9663)

FASTENER & HARDWARE INFORMATION

MICRO-GUARD® Preservative Treated Wood

Use fasteners and hardware that comply with appropriate building code requirements and manufacturer's recommendations for the end use of the treated wood.

For exterior applications, the following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of **MICRO-GUARD®** treated wood.

- Fasteners, Nails, Screws should conform to ASTM-A153 (1 oz/ft²).
- Hardware, such as connectors, joist hangers, etc. Shall conform to ASTM-A653 G90 (0.90 oz/ft²)

Stainless Steel (Type 304 and 316) fasteners are required for Permanent Wood Foundations below grade and are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure and other critical environments.

Where design and or actual conditions allow for constant, repetitive or long periods of wet conditions that favor corrosion, only stainless steel fasteners should be used.

Aluminum or aluminum based fasteners and other building products, such as flashing, siding, roofing, gutters, door and window trim, nails, fasteners and other hardware, may be placed in direct contact with **MICRO-GUARD®** when used for *code compliant interior or above ground applications*, such as decks, or fencing. Applications must provide proper water drainage and not allow the wood to be exposed to standing water or to water immersion. Manufacturers of aluminum products or who use aluminum products may have specific recommendations regarding compatibility of their products.

Fasteners used with **MICRO-GUARD®** must be in accordance with Section 2304.10.4 of the 2015 IBC, Section 2304.9.5 of the 2009 / 2012 IBC and Section R317.3 of the IRC, except that aluminum fasteners are permitted. Carbon steel fasteners may be used for interior, aboveground, weather protected applications such as sill plates, interior framing and interior trusses.

As with any good design and construction practice **MICRO-GUARD**[®] treated wood should not be used in applications where trapped moisture or water can occur. The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners for projects containing treated wood.