

FASTENERS TO USE WITH TREATED WOOD PRODUCTS

2003 International Residential Code – Fasteners – Section R319.3

“Fasteners for pressure-preservative treated wood shall be of hot-dipped galvanized steel, stainless steel, silicon bronze or copper. Exception: One-half inch (12.7mm) diameter or greater steel bolts.”

2003 International Building Code – Fasteners – Section R2304.9.5

“Fasteners for pressure-preservative treated wood shall be of hot-dipped galvanized steel, stainless steel, silicon bronze or copper. Coating weights for zinc-coated fasteners shall be in accordance with ASTM A-153.”

ICC International Code Council

Whittier, California

The manufacturers of ACQ, CA, CA-B, ACZA and borate treated material recommend the following to be used with their treated wood products.

“The effect of Wolmanized Natural Select™ wood on fasteners is similar to that of CCA treated wood. Hot-dipped fasteners meeting ASTM A-153 are recommended for protection against the moisture often present where treated wood is usually used. For Permanent Wood Foundations, use 304 or 316 stainless steel. Aluminum should not be used in direct contact with this wood.”

Arch Wood Protection, Inc.

1955 Lake Park Drive, Suite 250, Smyrna, Georgia 30080, 770-801-6600

www.naturalselect.com

“As a minimum requirement for use with Preserve® and Preserve Plus® treated wood, hot-dipped galvanized coated fasteners should conform to ASTM Standard A-153. For optimum performance and longevity in treated wood, stainless steel fasteners should be considered.”

Chemical Specialties, Inc.

200 East Woodlawn Road, Suite 250, Charlotte, North Carolina 28217, 800-421-8661

www.chemspec.com

“Fasteners for use with Nature Wood® preserved wood products include hot-dip galvanized fasteners conforming to the ASTM Standard A-153. Stainless steel 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, etc. Type 304 and 316 are the recommended grades to use.”

Osmose, Inc.

1016 Everee Inn Road, Griffin, Georgia 30224, 800-241-0240

www.osmose.com

Chemonite®/ACZA Recommendation: For fasteners and connectors always use post hot-dipped galvanized (ASTM A-153), stainless steel, or an approved equal.

J.H. Baxter

1700 South El Camino Real, San Mateo, California 94402, 650-349-0201

www.jhbaxter.com

Lumber and plywood pressure-treated with Tim-bor® Industrial and used in the appropriate applications – protected and above ground – can utilize standard fasteners and connectors such as those that have historically been used with CCA treated wood.

U.S. Borax, Inc.

26877 Tournay Road, Valencia, California 91355, 800-U.S. BORAX

www.borax.com/wood

Note: Electroplated galvanized fasteners and metal products are typically not accepted by the building codes for use in exterior applications, regardless of the type of wood used.