

Quick Guide For Alternative Preservative Treatments with Metal Connector Plates

The purpose of the following tables is not to endorse any particular wood treatment product or products, but rather to provide a guideline for the appropriate metal connector plates to be used with products treated with different preservative types. Contact the Preservative Treatment Supplier and Truss Designer and/or Truss Design Engineer for the proper connector plate to be used in the particular treated lumber application.

WTCA specifically disclaims any perceived endorsement of any particular wood treatment product or products. WTCA recommends that buyers of such treatments (i.e., structural building component manufacturers) are provided with a warranty from the preservative treatment chemical supplier and the preservative treated lumber supplier.

Table 1 – Sodium Borate or Iodine Based Preservatives

Preservative Types	Popular Brand Names	Metal Connector Plate
Sodium Borate Based Preservatives [e.g., disodium octaborate tetrahydrate (DOT)]	<p>Advance Guard® www.osmose.com/wood/usa/preserved/advanceguard Osmose, Inc. at 800-241-0240</p> <p>EnviroSafe Plus™ www.eswoodtreatment.com Wood Treatment Products, Inc. at 800-207-2940</p> <p>Envirotech WP www.envirotech-wp.com/about.htm Envirotech Ventures International, Inc. at 208-265-5911</p> <p>BluWood® Perfect Barrier™ www.perfectbarrier.com WoodSmart Solutions, Inc. at 800-637-1512</p> <p>SillBor® and FrameGuard™ www.wolmanizedwood.com/hd/products.shtml Arch Wood Protection, Inc. at 866-789-4567</p> <p>TimberSaver PT® www.treatedwood.com/products/timbersaver CSI at 800-421-8661</p>	G60 Galvanized Steel (typical metal connector plate used today)

Table 2 – Sodium Borate Based Fire Retardants (FRTs) That Are Also Preservatives

Preservative Types	Popular Brand Names	Metal Connector Plate
Sodium Borate Based Fire Retardants and Preservatives	<p>Notes: All FRTs require strength reduction considerations in design. Most FRTs are not appropriate for wet conditions. Two FRTs below are formulated for exterior use and may be acceptable for interior applications where higher humidity/moisture content exists than is appropriate for the other FRTs, but these exterior treatments may not have been tested with elevated temperatures, as specified by TPI 1-2002 sec. 6.4.9.1.1, so their use in roof applications should be excluded unless such consideration of elevated temperatures is provided. In addition, conditions wet enough to require exterior FRTs may be inappropriate for use of truss plates (see last paragraph of TPI/WTCA Guidelines for Use of Alternative Preservative Treatments With Metal Connector Plates).</p> <p>D-Blaze® www.treatedwood.com/products/dblaze CSI at 800-421-8661</p> <p>Dricon® and FRX® (exterior) www.dricon.com & www.frxwood.com Arch Wood Protection, Inc. at 770-801-6600</p> <p>Fire-Pro® www.osmose.com/wood/usa/retardant/overview Osmose, Inc. at 800-241-0240</p> <p>Pyro-Guard® & Exterior Fire-X® (exterior) www.frtw.com/products.php Hoover Treated Wood Products at 706-595-5058</p>	G60 Galvanized Steel (typical metal connector plate used today)

Table 3 – Copper Based Preservatives

Preservative Types	Popular Brand Names	Metal Connector Plate
<p>Ammoniacal/Alkaline/Amine Copper Quat (ACQ-B, ACQ-C, ACQ-D)</p>	<p>Nature Wood[®], or Nature Wood[®] with water repellent www.osmose.com/wood/usa/preserved/naturewood/product Osmose, Inc. at 800-241-0240</p> <p>Preserve[®], or Preserve Plus[®] (built-in water repellent) www.treatedwood.com/products/preserve or www.treatedwood.com/products/preserveplus CSI at 800-421-8661</p>	<p>G185 or ASTM A153 Galvanized or Stainless Steel</p>
<p>Copper Boron Azole (CBA) Copper Azole-Type B (CA-B)</p>	<p>Wolmanized[®] Outdoor[™] www.wolmanizedwood.com Arch Wood Protection, Inc. at 770-801-6600</p> <p>Wolmanized[®] Outdoor[™] with water repellent www.wolmanizedwood.com Arch Wood Protection, Inc. at 770-801-6600</p>	<p>G185 or ASTM A153 Galvanized or Stainless Steel, or G60 Galvanized Steel if used in dry applications</p>