

# Fastener Information Sheet

Fasteners (and other metal products) for use with NatureWood preserved wood products include:

- Hot-Dip Galvanized\*

Fastener and hardware manufacturers have suggested the minimum Hot-Dip Galvanized requirements for use with treated wood should conform to the following ASTM Standards: ASTM- A153 (for Hot-Dip fastener products) and ASTM- A 653 (Coating Designation G-185 for Hot-Dip connector and sheet products).

- Stainless Steel

Stainless steel fasteners and connectors 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.

- Other fasteners and hardware as recommended by the manufacturer

There may be additional products (other than stainless steel or hot-dip galvanized) which are suitable for use with NatureWood treated wood. Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with NatureWood treated wood.

- Aluminum should not be used in direct contact with NatureWood treated wood

Spacer materials or other physical barriers are recommended to prevent direct contact of NatureWood treated wood and aluminum products.

## Other alternative wood preservative manufacturers recommendations include<sup>1</sup>:

CSI fastener recommendations for use with ACQ products include:

- Hot-Dip galvanized
- Stainless steel
- Other fasteners and hardware as recommended by the hardware manufacturer

As a minimum requirement for use with treated wood, hot dip galvanized coated fasteners should conform to ASTM Standard A153 and hot dip galvanized coated connectors should conform to ASTM Standard A653 (Class G-185). For optimum performance and longevity in treated wood, fasteners and connectors fabricated from stainless steel should be considered. Other types of screws and connectors coated with proprietary anti-corrosion technologies are also available for use with treated wood. Consult individual fastener manufacturer's recommendations for information about the performance of their products with treated wood.

ARCH fastener recommendations for use with Copper Azole products include:

Hot-dipped galvanized fasteners (meeting ASTM A 153) and connectors (ASTM A 653 Class G185 sheet), or better, 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.



### 2003 International Residential Code - *Fastener Statement - 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."*

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

See back of sheet for list of hardware manufacturers  
that recommend hardware for use with Alkaline Copper Quaternary treated wood

List of hardware manufacturers that recommend hardware for use with Alkaline Copper Quaternary treated wood.\*\*

## Manufacturer

Renown Specialties Co., Ltd.  
 R. H. Tamlyn & Sons, LP  
 Simpson Strong-Tie® Co., Inc.  
 USP Structural Connectors™  
 DESA

FASTAP Inc.  
 GRK Fasteners  
 The Hillman Group  
 The Hillman Group  
 National Manufacturing of Canada  
 National Nail Corp.  
 National Nail Corp.  
 Olympic Manufacturing Group, Inc.  
 Osmose  
 Phillips Fastener Products, Inc.  
 Phillips Fastener Products, Inc.  
 Plating Technology, Inc.  
 Primesource Building Products  
 Quick Drive USA, Inc.  
 SENCO Products, Inc.  
 Starborn Industries, Inc.  
 Swan Secure Products  
 Dubai Wire  
 Fasco/Beck  
 ITW Buildex

Maze Nails  
 Paslode

Plating Technology, Inc.  
 Swan Secure Products  
 STEELHEAD Fasteners  
 Swan Secure Products  
 Stanley Bostitch®  
 Stanley Bostitch®  
 York Manufacturing, Inc.  
 Crown Bolt, Inc.  
 Crown Bolt, Inc.  
 ITW Ramset/Red Head

POWERS FASTENERS, Inc.

## Product Type

TIMBERTIE® Triple-Zinc G-185 Lumber Connectors  
 G-185 and #316 Stainless Steel Connectors  
 ZMAX (G-185) Hot-Dip Galvanized (Min.) or Stainless Steel Connectors (Max.)  
 Triple Zinc G-185 Connectors (Min.) or Stainless Steel (Max.)  
 Washered and Non-Washed Fasteners Model Numbers 103071, 103072, 103073, 77560, 77562, 77563, 097180 01, 097181 01, & 58050 thru 58053  
 FASTAP Plus with DuraCoat XT Exterior Screws  
 GRK Climatek Coated Screws  
 Hillman Stainless Steel Screws  
 Hillman Ceramic Coated Screws  
 Kwiki Premium Plus and Kwiki Premium Xtra Deck Screws  
 ProFit™ Platinum Series ProTech Coated Premium Screws  
 ProFit™ Platinum Series Stainless Steel Premium Screws  
 Fasten Master Guard Dog Pressure Treated Deck Screws  
 ProDrive Outdoor Screws  
 DeckMate® Screws with Evercote® Coating  
 Phillips II® Screws with Durafast® Coating  
 PT2000 Screws  
 PrimeGuard Plus - Coated Screws, Stainless Steel Fasteners & A153 Collated Fasteners  
 QuickGard and N2000 Coated Screws  
 Stainless Steel Nails, Staples & Screws, Hot-Dipped Galvanized Nails & Weatherex® 3 Screws  
 Headcote Color Coated Heads Stainless Steel Screws  
 Swaneze Deck Screws - 304 and 316 Stainless Steel  
 Stainless Steel & True Hot Dip Galvanized Nails  
 Stainless Steel Fastener Products  
 DEC-KING® Wood Screw with Climacoat, GYP-FAST Nail with Climacoat, Tapcon® Concrete Anchor with Blue Climaseal, Roofgrip® with Spex & Wood-To-Metal TEKS®  
 Double Hot-Dipped Zinc Coated Stormguard® Nails & Case-Hardened, hot-dipped cut nails  
 Hot Dipped Galvanized, RounDrive Hot Dipped Galvanized Plus, TLN treated Lumber Nail & DUO-FAST Hot Dip Galvanized Fastners  
 PT2000 Nails  
 A.F.D. Nails - 304 and 316 Stainless Steel  
 304 Stainless Steel Nails & Staples and Hot Dipped Nails for pneumatic tools  
 Swan Stainless Steel Nails for pneumatic nail guns  
 THICKCOAT™ Galvanized Coil and Stick Framing & Metal Connector Nails  
 Stainless Steel and Hot Dipped Galvanized Nails  
 York Shield 106 Flashing & Termite Shield  
 Hot Dip (meets ASTM A153) Galvanized Hex & Carriage Bolts, Lag Screws, Nuts & Washer  
 Stainless Steel Hex & Carriage Bolts, Lag Screws, Screws, Nuts & Washers  
 Hot-Dipped Galvanized, Type 304 & 316 Stainless Steel Trubolt Wedge Anchors; & Type 304  
 Stainless Steel Dynabolt Sleeve Anchors  
 Perma-Seal Coated Anchors & Fasteners, Stainless Steel Anchors & Fasteners

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