

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 include¹:

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

Product Type

Renown Specialties Co., Ltd.	TIMBERTIE® Triple-Zinc G-185 Lumber Connectors
R. H. Tamlyn & Sons, LP	G-185 and #316 Stainless Steel Connectors
Simpson Strong-Tie® Co., Inc.	ZMAX (G-185) Hot-Dip Galvanized (Min.) or Stainless Steel Connectors (Max.)
USP Structural Connectors™	Triple Zinc G-185 Connectors (Min.) or Stainless Steel (Max.)
DESA	Washed and Non-Washed Fasteners Model Numbers 103071, 103072, 103073, 77560, 77562, 77563, 097180 01, 097181 01, & 58050 thru 58053
FASTAP Inc.	FASTAP Plus with DuraCoat XT Exterior Screws
GRK Fasteners	GRK Climatek Coated Screws
The Hillman Group	Hillman Stainless Steel Screws
The Hillman Group	Hillman Ceramic Coated Screws
National Manufacturing of Canada	Kwiki Premium Plus and Kwiki Premium Xtra Deck Screws
National Nail Corp.	ProFit™ Platinum Series ProTech Coated Premium Screws
National Nail Corp.	ProFit™ Platinum Series Stainless Steel Premium Screws
Olympic Manufacturing Group, Inc.	Fasten Master Guard Dog Pressure Treated Deck Screws
Osmose	ProDrive Outdoor Screws
Phillips Fastener Products, Inc.	DeckMate® Screws with Evercote® Coating
Phillips Fastener Products, Inc.	Phillips II® Screws with Durafast® Coating
Plating Technology, Inc.	PT2000 Screws
Primesource Building Products	PrimeGuard Plus - Coated Screws, Stainless Steel Fasteners & A153 Collated Fasteners
Quick Drive USA, Inc.	QuickGard and N2000 Coated Screws
SENCO Products, Inc.	Stainless Steel Nails, Staples & Screws, Hot-Dipped Galvanized Nails & Weatherex® 3 Screws
Starborn Industries, Inc.	Headcote Color Coated Heads Stainless Steel Screws
Swan Secure Products	Swaneze Deck Screws - 304 and 316 Stainless Steel
Dubai Wire	Stainless Steel & True Hot Dip Galvanized Nails
Fasco/Beck	Stainless Steel Fastener Products
ITW Buildex	DEC-KING® Wood Screw with Climacoat, GYP-FAST Nail with Climacoat, Tapcon® Concrete Anchor with Blue Climaseal, Roofgrip® with Spex & Wood-To-Metal TEKS®
Maze Nails	Double Hot-Dipped Zinc Coated Stormguard® Nails & Case-Hardened, hot-dipped cut nails
Paslode	Hot Dipped Galvanized, RounDrive Hot Dipped Galvanized Plus, TLN treated Lumber Nail & DUO-FAST Hot Dip Galvanized Fastners
Plating Technology, Inc.	PT2000 Nails
Swan Secure Products	A.F.D. Nails - 304 and 316 Stainless Steel
STEELHEAD Fasteners	304 Stainless Steel Nails & Staples and Hot Dipped Nails for pneumatic tools
Swan Secure Products	Swan Stainless Steel Nails for pneumatic nail guns
Stanley Bostitch®	THICKCOAT™ Galvanized Coil and Stick Framing & Metal Connector Nails
Stanley Bostitch®	Stainless Steel and Hot Dipped Galvanized Nails
York Manufacturing, Inc.	York Shield 106 Flashing & Termite Shield
Crown Bolt, Inc.	Standard Galvanized Hex & Carriage Bolts, Lag Screws, Nuts & Washers
Crown Bolt, Inc.	Stainless Steel Hex & Carriage Bolts, Lag Screws, Screws, Nuts & Washers
ITW Ramset/Red Head	Hot-Dipped Galvanized, Type 304 & 316 Stainless Steel Trubolt Wedge Anchors; & Type 304 Stainless Steel Dynabolt Sleeve Anchors
POWERS FASTENERS, Inc.	Perma-Seal Coated Anchors & Fasteners, Stainless Steel Anchors & Fasteners

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