



Fastener and Hardware Information Sheet

Warning-Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with NatureWood products. To prevent premature corrosion and failure it is important to follow the recommendations of the manufacturers for all metal products.

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

- Hot-Dip Galvanized* (The minimum standard)

Fastener, hardware, and metal product 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, hardware or any metal product as recommended by their manufacturer

There may be additional products (other than stainless steel or G-185 Hot-Dip galvanized) which are suitable for use with NatureWood treated wood. Please consult with the individual fastener, hardware, or metal product 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 manufacturer's 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.

*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

Connectors/Hangers

KC Metals	Hot Dip, 316 Stainless & G-185 galvanized steel connectors and seismic ties
National Manufacturing Co.	Stainless Steel, Galvanized, Triple Protected & High Performance Coated Hardware
Renown Specialties Co., Ltd.	TIMBERTIE® Triple-Zinc G-185 Lumber Connectors
R. H. Tamlyn & Sons, LP	G-185 & #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.)

Screws/Fasteners

Capstone Steel Inc.	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners
Coast to Coast	"C2C" Ceramic Coated Deck Screw
Compass International, Inc.	LIFECOAT® coated Fasteners
FASTAP Inc.	FASTAP Plus with DuraCoat XT Exterior Screws
Fastec Industrial Corp.	Proprietary FX2 coating for carbon steel fasteners; 304 & 316 stainless steel screws, hot dipped galvanize screws, bolts, washers and other assembly hardware
Fasteners & Fittings	"Fastener-Shield" Deck Screws, Stainless Steel Deck Screws.
Grabber Construction Products	Grabbergard® coatings, Grabber® Extreme Decking Screws 316 Stainless & Grabber® 55 micron Mech Galv. fasteners
GRK Fasteners	GRK Climatek Coated Screws
The Hillman Group	Hillman Stainless Steel Screws
The Hillman Group	Hillman Ceramic Coated Screws
Honor Best Co., Ltd.	Green Land™ Coated Fasteners
Leland Industries, Inc.	Master Gripper™ Fasteners
National Manufacturing of Canada	Kwiki Premium Plus & 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, CR-10 Coated Roofing Fasteners, & Midwest Manufacturing Premium Triple Coated Fasteners
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 +10, PrimeGuard Plus, PrimeGuard Stainless and Hot Galvanized-Hand Drive & Colated Fasteners
Quick Drive USA, Inc.	QuickGard & N2000 Coated Screws
Reliable Fasteners	Reliable Super Ceramic Deck Screws and Stainless Steel Screws
Remington	Washed & Non-Washed Fasteners Model Numbers 103071, 103072, 103073, 77560, 77562, 77563, 097180 01, 097181 01, & 58050 thru 58053
Scorpion Fasteners Inc.	Silver Ceramic Coated Screws
SENCO Products, Inc.	Stainless Steel Nails, Staples & Screws, Hot-Dipped Galvanized Nails & Weatherex® 3 Screws
Sure Drive USA, Inc.	Copperguard™ ACQ & stainless steel construction fasteners
Starborn Industries, Inc.	Headcote Color Coated Heads Stainless Steel Screws
Steel and wire Products, Inc.	"Magnum Zinc" hot dip & "Ultra Rustgard" stainless steel fasteners
Steelco International Ltd.	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners
Swan Secure Products	Swaneze Deck Screws - 304 & 316 Stainless Steel
Tiger Claw	TC-2 and TC-3 Fasteners
Unstain North America, LLC	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners
Western Builders Supply	Silver Star Stainless, Bronze Star Ceramic, C-Deck Ceramic & Stainless, Round Washer Head Ceramic screws

Nails

Alumoweld Company, Inc.	Alumo-Nail® Products & Gator Skin Collated Nail Products
Capstone Steel Inc.	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners
Coast to Coast	"C2C" Ceramic Coated Deck Screw
Dubai Wire	Stainless Steel & True Hot Dip Galvanized Nails
Fanaco® Fasteners	Hot Dip Galvanized and Stainless Steel Nails
Fasco/Beck	Stainless Steel Fastener Products
Hitachi Powertools	Stainless Steel (AISI 304 and 316) & Hot Dip (ASTM A 153) wire fasteners
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, RoundDrive Hot Dipped Galvanized Plus, TLN treated Lumber Nail & DUO-FAST Hot Dip Galvanized Fasteners
Plating Technology, Inc.	PT2000 Nails
Swan Secure Products	A.F.D. Nails - 304 & 316 Stainless Steel
STEELHEAD Fasteners	304 Stainless Steel Nails & Staples & 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 & Hot Dipped Galvanized Nails
Steelco International Ltd.	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners
Unstain North America, LLC	UnStain 1500 and UnStain 3000 Fasteners, UnStain Plus Fasteners, UnStain Pro Fasteners

Flashing

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

Manufacturer

Product Type

Alum-A-Pole.....Pro-Trim Bendable Vinyl Flashing
 Layman Plastics CorporationPVC Z flashings, drip edge and vent strip
 RailWaysPVC deck flashing
 York Manufacturing, Inc.....York Shield 106 Flashing & Termite Shield

Bolts/Nuts/Washers/Anchors

Anco Fastener Mfg, Inc.Plastic Anchor Bolt Protector
 Crown Bolt, Inc.Hot Dip Galvanized Hex & Carriage Bolts, Lag Screws, Nuts & Washers
 Crown Bolt, Inc.Stainless Steel Hex & Carriage Bolts, Lag Screws, Screws, Nuts & Washers
 Fastec Industrial Corp.Proprietary FX2 coating for carbon steel fasteners; 304 & 316 stainless steel screws, hot dipped galvanize screws, bolts, washers and other assembly hardware
 Fasteners & FittingsHot Dipped Galvanized Bolts, Nuts and 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, PTZ Coated Fastener (interior use only) & Stainless Steel Anchors & Fasteners - Type 410 SS, 304 SS & 316 SS

Factory Coating Product

Michigan Metal Coatings.....Dacromet 320 with LTX top coat fastener coating