

Fastener and Hardware Information Sheet

Warning – Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with wood pressure treated with NW 100[®] preservative. 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 wood pressure treated with NW 100[®] preservative 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-A653 (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 wood pressure treated with NW 100[®] preservative. Please consult with the individual fastener, hardware, or metal product manufacturer for recommendations for use of their products with wood pressure treated with NW 100[®] preservative.

- Aluminum should not be used in direct contact with wood pressure treated with NW 100[®] preservative

Spacer materials or other physical barriers are recommended to prevent direct contact of NW 100 pressure treated wood and aluminum products.

Other alternative wood preservative manufacturer's recommendations include¹:

Viance 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 Permanent Wood Foundations and corrosive environments, such as areas with saltwater spray, 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 following 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 galvanized 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
SESCO 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

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

Manufacturer Product Type

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, RounDrive 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

Alum-A-Pole	Pro-Trim Bendable Vinyl Flashing
Layman Plastics Corporation	PVC Z flashings, drip edge and vent strip
RailWays	PVC 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 galvanized screws, bolts, washers and other assembly hardware
Fasteners & Fittings	Hot-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
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NW 100 is registered trademark of Timber Specialties Co.

NW 100 pressure treated wood is produced by independently owned and operated wood preserving facilities.

¹ This information is correct at the time of printing.

** This information sheet contains general information only. Please refer to hardware manufacturer's product literature or website for manufacturer's recommendations and further information.