



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

Please visit www.naturewoodproducts.com for recent updates.

Manufacturer

Product Type

Connectors/Hangers

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| 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

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| 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

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| 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

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| 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

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| 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 & 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

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| Michigan Metal Coatings | Dacromet 320 with LTX top coat fastener coating |
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NatureWood
PRESERVED WOOD PRODUCTS

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.