



Fastener and Hardware Information Sheet for Alkaline Copper Quaternary (ACQ) Treated Products

WARNING - Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with wood products treated with ACQ preservatives. To prevent premature corrosion and failure, consult the end tag to determine which preservative or preservative treatment was used and follow the metal products manufacturers' recommendations (including Fastener Information Sheets, if any) as they relate to the specific preservative or preservative system indicated on the end tag.

Fasteners (and other metal products) for use with products treated with ACQ preservatives 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 ACQ treated wood. Please consult with the individual fastener, hardware, or metal product manufacturer for recommendations for use of their products with ACQ treated wood.
- **Aluminum should not be used in direct contact with wood products treated with ACQ preservatives.** Spacer materials or other physical barriers are recommended to prevent direct contact of ACQ 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-Dip Galvanized fasteners (meeting ASTM-A153) and connectors (ASTM-A653 Class G-185 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.

¹ This information is correct at the time of printing.

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-Dip Galvanized Screws, Bolts, Washers and other assembly hardware
Fasteners & Fittings.....	"Fastener-Shield" Deck Screws, Hot-Dip Galvanized Bolts, Nuts and Washers, Stainless Steel Deck Screws.

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

Manufacturer	Product Type
Screws/Fasteners continued	
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 & Collated 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-Dip 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 A153) 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-Dip Zinc Coated Stormguard® Nails & Case-Hardened, Hot-Dip Cut Nails
Paslode.....	Hot-Dip Galvanized, RounDrive Hot-Dip 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-Dip 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-Dip 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-Dip Galvanized Screws, Bolts, Washers and other assembly hardware
Fasteners & Fittings.....	"Fastener-Shield" Deck Screws, Hot-Dip Galvanized Bolts, Nuts and Washers, Stainless Steel Deck Screws
ITW Ramset/Red Head.....	Hot-Dip 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

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

Ask dealer for warranty details. Great Southern Wood Preserving, Inc., uses Osmose, Inc. wood preserving products, methods and technology in the treatment of ACQ treated wood products. For more information visit www.osmose.com. For important information concerning our products or for a copy of the Material Safety Data Sheet (MSDS), please visit us at www.greatsouthernwood.com or write us at P.O. Box 610, Abbeville, AL 36310.