PRESSURE TREATED WOOD FOR RESIDENTIAL USE

Beginning Jan.1, 2004, CCA pressure treated wood will no longer be produced for residential use. The CCA treatment used a chromium-copper-arsenic compound to prevent wood decay and infestation by wood destroying insects, but because of public concern with this chemical treatment, the wood preservative industry decided to replace it with other preservative chemicals which are equally effective.

Two alternative treatment processes have undergone review and testing, and are accepted by the current building codes. These are: Wolmanized Natural Select Pressure Treated Wood, and Nature Wood Preserved Wood Products. In addition, other treatment chemicals/methods are undergoing tests, and may be available in the future. Additional information about products can be obtained by obtaining a brochure from the lumber retailer, or by visiting the web site of each company.

The Wolmanized Natural Select Pressure Treated Wood web site is www.naturalselect.com.
The Nature Wood Preserved Wood Products web site is www.osmose.com.

These new chemical treatments have eliminated the chromium and arsenic previously used in CCA treated wood. The new treatment processes rely on a new formula copper compound, along with small amounts of other insect and fungi control agents. While these formulas do an excellent job of protecting the wood, precautions must be taken when using the treated wood. The following highlight must be observed:

- **Hot-dipped galvanized** fasteners and **hot-dipped galvanized** connector brackets must be used. The new treatments are more corrosive to steel than the CCA treatment, and electroplated steel is not adequate.
- Alternatives to **hot-dipped galvanized** fasteners are listed and attached. For example, stainless steel, ceramic coated steel screws, and other fasteners listed in the attachment may be used. Most nail gun manufacturer's have hot-dipped galvanized fasteners available for their line of tools.
- Aluminum flashing **may not** be used in contact with these new wood products. The high copper content of the chemical will quickly corrode aluminum.

The CCA treated wood was readily available with a 0.40 PCF retention rate, which was suitable for ground contact and above ground use. Although 0.25 PCF treated CCA lumber was suitable for above ground use only, most lumber suppliers did not stock the two different grades. The 0.40 PCF treated wood cost a small amount more than the 0.25 PCF treated wood, but the extra space and cost of stocking two different lumber grades more than offset the small additional cost of the additional treatment. Thus the lumber retailers stocked only the 0.40 PCF treated wood.

The new treated wood products are available in two grades; **above ground use** and **ground contact use**. Look at the small tag on the end of each piece of lumber to be sure you are using the properly treated wood in the location for which it is designed. If the lumber retailers find that the cost of stocking two different grades of lumber is costly, they may decide to eliminate the above ground use product, and sell only the ground contact product.

The most commonly treated wood is Southern Yellow Pine, and the strength of this wood with the new treatments, remains equal to the CCA treated wood. Please contact the Code Administration office at 703 385-7830, if you have any questions concerning these new products.

FASTENER INFORMATION SHEET

Manufacturer	Product Type
Renown Specialties Co., Ltd.	TIMBERTIE® Triple-Zinc G-185 Lumber 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.)
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 Nail Corporation	Profit™ Platinum Series 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 Evercoat® Coating
Phillips Fastener Products, Inc.	Phillips II® Screws with Durafast® Coating
Plating Technology, Inc.	PT2000 Screws
Primesourse Building Products	PrimeGuard Plus – Coated Screws
Quick Drive USA, Inc.	QuickGard and N2000 Coated Screws
Starborn Industries, Inc.	Headcote Color Coated Heads Stainless Steel Screws
Swan Secure Products	Swaneze Deck Screws – 304 and 316 Stainless Steel
Maze Nails	Double Hot-Dipped Zinc Coated Stormguard® Nails
Plating Technology, Inc.	PT2000 Nails
Swan Secure Products	A.F.D. Nails – 304 and 316 Stainless Steel
Swan Secure Products	Swan Stainless Steel Nails for pneumatic nail guns
York Manufacturing, Inc.	York Shield 106 Flashing & Termite Shield
Alum-A-Pole Corp.	Pro-Trim DuroBend® Solid Bendable Vinyl Coil
P&G Solutions, Inc.	Ledger Board ("J" Channel) Vinyl Flashing
Grace Constr. Products	Grace Vycor Deck Protector
Advanced Bldg. Products, Inc.	Thru Wall Flashings

This list is not all inclusive: for other products that may be used with the new pressure treated wood, check with the manufacturer of fasteners/connectors.