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DIVISION: 06—WOOD AND PLASTICS
Section: 06070—Wood Treatment

REPORT HOLDER:

ARCH TREATMENT TECHNOLOGIES, INC.
1955 LAKE PARK DRIVE, SUITE 100
SMYRNA, GEORGIA 30080
(770) 801-6600
www.wolmanizedwood.com
ptwinfo@archchemicals.com

EVALUATION SUBJECT:

WOLMANIZED L³ OUTDOOR® WOOD

ADDITIONAL LISTEES:

BABB LUMBER
6652 HIGHWAY 41 NORTH
RINGGOLD, GEORGIA 30736

J. H. BAXTER & CO.
85 NORTH BAXTER ROAD
EUGENE, OREGON 97402

BESTWAY ENTERPRISES
3877 LUKER ROAD
COURTLAND, NEW YORK 13045

JOHN A. BIEWER COMPANY OF IL
524 EAST UNION STREET
SENECA, ILLINOIS 61360-9493

COX INDUSTRIES
[Treater: COX WOOD PRESERVING]
860 CANNON BRIDGE ROAD
ORANGEBURG, SOUTH CAROLINA 29115

CURT BEAN LUMBER
1320 EAST OLD LEXINGTON
BUCKNER, MISSOURI 64014

EVERWOOD TREATMENT
11349 HIGHWAY 31
SPANISH FORT, ALABAMA 36527
HOOSIER WOOD PRESERVERS
3605 FARNSWORTH AVENUE
INDIANAPOLIS, INDIANA 46241

MADISON WOOD PRESERVERS
216 OAK PARK ROAD
MADISON, VA 22727

MID-STATES WOOD PRESERVERS
147 SHELBY ROAD
SIMSBORO, LOUISIANA 71275

NORTHEAST TREATERS
201 SPRINGFIELD ROAD
BELCHERTOWN, MASSACHUSETTS 01007

PEACH STATE MANUFACTURING
4280 STACKS ROAD
COLLEGE PARK, GEORGIA 30349

PETERSON WOOD TREATING
2 RANDY JOHNSON STREET
SUPERIOR, WISCONSIN 54880

ROBBINS WOOD PRESERVING & MANUFACTURING
13001 NORTH NEBRASKA AVENUE
TAMPA, FLORIDA 33612

SHENANDOAH WOOD PRESERVERS
301 EAST 16TH STREET
SCOTLAND NECK, NC 27874

H.M. STAUFFER & SONS
33 GLENOLA DRIVE
LEOLA, PENNSYLVANIA 17540

TAYLOR-RAMSEY WOOD PRESERVERS, INC.
2960 COX ROAD
BLACKSTONE, VIRGINIA 23824

TIMBER WHOLESALERS
357 COUNTY ROAD 5 SOUTHWEST
WILMAR, MINNESOTA 65201

TSO OF VIRGINIA
1050 NORTH MAIN STREET
ROCKY MOUNT, VIRGINIA 24151

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- 1997 *Uniform Building Code*™ (UBC)
- BOCA® *National Building Code*/1999 (BNBC)
- 1999 *Standard Building Code*® (SBC)

Properties evaluated:

- Preservative-treated wood

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- Decay resistance
- Termite resistance
- Corrosion resistance
- Structural

2.0 USES

Wolmanized L³ Outdoor[®] Wood is used for wood members in above ground applications that are required by the code to be protected against decay and termites.

3.0 DESCRIPTION

3.1 General:

Wolmanized L³ Outdoor[®] Wood products are recognized for use in above ground applications and to resist attack by rot, fungal decay, and subterranean termites, including Formosan termites.

Wolman[®] AG brand wood preservatives are produced by Arch Treatment Technologies, Inc., and are used by the wood-preserving plants listed in this report as additional listees to preservative-treat wood products in accordance with the Wolmanized L³ Outdoor[®] Wood Standard (WL3-06) and the Wolman[®] AG Wood Preservative Manual of Standard Practice.

3.2 Preservative System:

Wolman[®] AG wood preservatives are propiconazole-tebuconazole-imidacloprid (PTI) preservative systems used for treating wood members. The active fungicides and termiticide in Wolman[®] AG wood preservative are propiconazole, tebuconazole and imidacloprid in a ratio of 10:10:1. These organic compounds are emulsified in water using a proprietary blend of dispersants.

3.3 Wood Species:

Wolmanized L³ Outdoor[®] Wood may consist of the following preservative treated materials:

- a. Dimensional lumber and timbers of the following species consisting of primarily sapwood: southern pine, mixed southern pine, ponderosa pine, red pine, radiata pine, redwood, western red cedar and Caribbean pine.
- b. Dimensional lumber and timbers of the following species consisting of primarily heartwood: Douglas fir, western hemlock, hem-fir.
- c. Lumber, of nominal size of 2-by-8 or less, for decking and specialty use of the species listed in (a) and (b), above.
- d. Southern pine and Douglas fir plywood.

Minimum preservative retention levels are provided in Table 1 of this evaluation report.

4.0 INSTALLATION

4.1 General:

Wolmanized L³ Outdoor[®] Wood is installed as preservative-treated lumber, timbers and plywood in accordance with the requirements of the applicable code.

Arch Treatment Technologies, Inc., and industry published installation instructions for wood and pressure-treated wood and this report must be strictly adhered to, and a copy of the instructions must be available at all times on the jobsite during installation.

The instructions within this report govern if there are any conflicts between Arch Treatment Technologies, Inc., instructions and this report.

4.2 Applications:

Wolmanized L³ Outdoor[®] Wood products may be used in above ground locations where wood is used and/or in above ground locations required by the code to be resistant to fungal decay or termites. The treated wood members are recognized for use in above ground applications in all building types and occupancies where permitted by the applicable code. Typical applications are described in Table 2.

Locations requiring preservative-treated wood for fungal decay or termite resistance are described in Section 2304.11 of the IBC, Section 2304 of the SBC, Section 2311 of the NBC, Section 2306 of the UBC, and Sections R323 and R324 of the IRC.

4.3 Fasteners:

The fasteners used with Wolmanized L³ Outdoor[®] Wood products must be in accordance with Section 2304.9.5 of the IBC and Section R319.3 of the IRC, except that aluminum fasteners are also permitted.

4.4 Structural:

4.4.1 Duration of Load: The maximum load duration factor allowed for Wolmanized L³ Outdoor[®] Wood products used for structural members is 1.6, in accordance with Section 2.3 of the American Forest & Paper Association (AF&PA) National Design Specification for Wood Construction (NDS).

4.4.2 Incising Factor: When incising is required to meet the minimum penetration requirements for specific wood species and sizes of materials, it must be limited to the depth, length and density specified in Section 4.3.8 of the NDS, or data must be submitted for approval by the code official establishing incising factors in accordance with Section 4.3.8 of the NDS.

5.0 CONDITIONS OF USE

The Wolmanized L³ Outdoor[®] Wood described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Use of the preservative-treated wood is limited to the types of applications noted under Section 4.2 of this report.
- 5.2 Surface treatment of field cuts must be in accordance with the recommendations of Arch Treatment Technologies, Inc.
- 5.3 The Wolmanized L³ Outdoor[®] Wood products are limited to the wood species and minimum retention levels noted in Section 3.3 and Table 1.
- 5.4 Treatment is at the facilities of the listees noted in Table 3, under a quality control program with inspections by Timber Products Inspection Inc. (AA-664 and AA-696) or Southern Pine Inspection Bureau (AA-680).

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Organic Preservative Systems (AC268), dated October 2006.
- 6.2 Data in accordance with the ICC-ES Acceptance Criteria for Proprietary Wood Preservative Systems—Common Requirements for Treatment Process, Test Methods and Performance (AC326), dated May 2006.

7.0 IDENTIFICATION

Wolmanized L³ Outdoor[®] Wood lumber and plywood must be labeled with the name of the inspection agency (Timber Products Inspection Inc. or Southern Pine Inspection Bureau); the product name (Wolmanized L³ Outdoor[®] Wood) or logo

(see Figure 1); the treatment company name and plant location; the name of the preservative components or designation (PTI); minimum retention; the intended end use; and the evaluation report number (ESR-1477). A sample label is shown in Figure 1 of this report.

TABLE 1—MINIMUM PRESERVATIVE RETENTION REQUIREMENTS FOR WOLMANIZED L³ OUTDOOR[®] WOOD PRODUCTS BY END USE

END USE	MINIMUM TOTAL RETENTION pcf (kg/m ³)	MINIMUM COMPONENTS RETENTION ¹ , pcf (kg/m ³)		
		Propiconazole	Tebuconazole	Imidacloprid
Above ground UC1, UC2, UC3A, UC3B	0.013 (0.208)	0.005 (0.080)	0.005 (0.080)	0.0004 (0.0064)

¹Retention is expressed in pounds of preservative per cubic foot (kilograms per cubic meter) of preservative actives.

TABLE 2—TYPICAL APPLICATIONS FOR WOLMANIZED L³ OUTDOOR[®] WOOD PRODUCTS

SERVICE CONDITIONS	AWPA USE CATEGORY	TYPICAL APPLICATIONS
Interior construction, above ground, dry	UC1	Interior construction - millwork and furnishings
Interior construction, above ground, damp	UC2	Interior construction - interior beams, timbers, flooring, millwork and sill plates
Exterior construction, above ground, coated & rapid water runoff	UC3A	Exterior - coated millwork, siding and trim
Exterior construction, above ground, uncoated and poor water runoff	UC3B	Decking, guard rails, spindles, flooring, deck joists, beams and framing, deck posts above grade supported on concrete piers with a steel bracket, trim and fascia, sill plates, fence rails, trellises, gazebos

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS

LISTEES	WOOD PRESERVATIVE TREATMENT LOCATIONS
Babb Lumber	Ringgold, GA Vincennes, IN
J. H. Baxter & Co.	Eugene, OR
Bestway Enterprises Bestway of New England Bestway of New York Bestway of Pennsylvania Bestway South	Courtland, NY S. Lancaster, MA Gouverneur, NY Cresco, PA Stony Point, NC
John A. Biewer Company of IL	Seneca, IL
Cox Industries [Treater Name Cox Wood Preserving]	Orangeburg, SC
Curt Bean Lumber	Buckner, MO
Everwood Treatment	Spanish Fort, AL
Hoosier Wood Preservers	Indianapolis, IN
Madison Wood Preservers	Madison, VA
Mid-States Wood Preservers	Simsboro, LA
Northeast Treaters	Belchertown, MA
Peach State Manufacturing	College Park, GA
Peterson Wood Treating	Superior, WI
Robbins Wood Preserving & Manufacturing	Gainesville, GA Orlando, FL Rockwell, NC Tampa, FL Thomaston, GA
Shenandoah Wood Preservers	Scotland Neck, NC
H.M. Stauffer & Sons	Leola, PA
Taylor-Ramsey Wood Preservers, Inc.	Blackstone, VA
Timber Wholesalers	Wilmar, MN
TSO of Maryland TSO of Ohio TSO of Virginia	Hagerstown, MD Fombell, PA Rocky Mount, VA



Wood Treated Right™

0.013 pcf PTI
Above Ground Use
ESR 1477

Quality Audited by
[Inspection Agency Name]
[AA ###]

Treating Company Name
And Plant Location(s)

FIGURE 1—SAMPLE PRODUCT LABEL, Wolmanized L³ Outdoor® Wood¹

¹The preservative components “propiconazole-tebuconazole-imidacloprid” may be used in place of the designation “PTI.”