

ICC-ES Evaluation Report**ESR-2240**

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A Subsidiary of the International Code Council®

**DIVISION: 06 00 00—WOOD, PLASTICS AND
COMPOSITES**
Section: 06 05 73.13—Preservative Wood Treatment

REPORT HOLDER:

OSMOSE, INC.
1016 EVEREE INN ROAD
GRIFFIN, GEORGIA 30224-0249
(800) 241-0240
www.osmose.com

EVALUATION SUBJECT:

**OSMOSE MicroPro®/LIFEWOOD® AND SUSTAIN®
PRESERVATIVE-TREATED WOOD**

ADDITIONAL LISTEES:

ALABAMA-GEORGIA WOOD PRESERVING
POST OFFICE DRAWER 9
LAFAYETTE, ALABAMA 36862-0009
(334) 865-9303

ALJOMA LUMBER, INC.
10300 NW 121 WAY
MEDLEY, FLORIDA 33178
(305) 556-8003

ALLSTATE TREATING & MANUFACTURING COMPANY, INC.
4625 HICKORY LANE
TUSCUMBIA, ALABAMA 35674
(256) 332-0000

ANTHONY WOOD TREATING, INC.
300 GUNTER STREET
HOPE, ARKANSAS 71802
(870) 777-8971

BB&S TREATED LUMBER OF NEW ENGLAND
POST OFFICE BOX 982
NORTH KINGSTOWN, RHODE ISLAND 02852
(401) 295-3200

BIEWER OF LANSING LLC
6111 WEST MOUNT HOPE HIGHWAY
LANSING, MICHIGAN 48917
(517) 322-3835

C. M. TUCKER LUMBER SALES, LLC
POST OFFICE BOX 7
PAGELAND, SOUTH CAROLINA 29728-0007
(843) 672-6135

CALIFORNIA CASCADE FONTANA, INC.
8395 SULTANA AVENUE
FONTANA, CALIFORNIA 92335
(909) 357-2136

COASTAL TREATED PRODUCTS COMPANY
POST OFFICE BOX 829
WELDON, NORTH CAROLINA 27890
(252) 536-4211

COMMERCIAL LUMBER COMPANY
102 OAKLEY DRIVE
NORTH LITTLE ROCK, ARKANSAS 72114
(501) 945-5011

COMMONWEALTH WOOD PRESERVERS
5604 CITY LINE ROAD
HAMPTON, VIRGINIA 23661
(757) 247-3621

CONASAUGA WOOD PRESERVERS
POST OFFICE BOX 2
CONASAUGA, TENNESSEE 37316-0012
(423) 338-2886

CULPEPER WOOD PRESERVERS
POST OFFICE BOX 1148
CULPEPER, VIRGINIA 22701
(540) 825-5200

D & D WOOD PRESERVING, INC.
2501 COMMERCE LANE
ALBANY, GEORGIA 31702-1802
(229) 436-2638

DAVIS BROTHERS LUMBER COMPANY
299 RICHLAND ROAD – POST OFFICE BOX 5
RICHLAND, SOUTH CAROLINA 29675
(864) 882-8052

EASTEX FOREST PRODUCTS
5429 HARTWICK ROAD
HOUSTON, TEXAS 77093
(281) 442-2591

ELDER WOOD PRESERVING COMPANY
334 ELDER WOOD ROAD
MANSURA, LOUISIANA 71350
(318) 964-2196

FORTRESS WOOD PRODUCTS
POST OFFICE BOX 4991
MARTINSVILLE, VIRGINIA 24115
(276) 656-3252

FREE STATE LUMBER
POST OFFICE BOX 190
HALEYVILLE, ALABAMA 35565
(205) 486-5287

GEORGIA WOOD PRESERVING, INC.
683 LEXINGTON ROAD, N.W.
CRAWFORDVILLE, GEORGIA 30631
(706) 456-2131

GREAT SOUTHERN WOOD PRESERVING
POST OFFICE BOX 610
ABBEVILLE, ALABAMA 36310
(334) 585-2291

GREAT SOUTHERN WOOD - BUCKNER, INC.
1320 EAST OLD LEXINGTON ROAD
BUCKNER, MISSOURI 64016
(816) 650-6988

GREAT SOUTHERN WOOD - BUSHNELL, INC.
194 CR 527A
BUSHNELL, FLORIDA 33538
(352) 793-9410

GREAT SOUTHERN WOOD - COLUMBUS, INC.
1050 GREAT SOUTHERN WAY
COLUMBUS, TEXAS 78934
(979) 733-0515

GREAT SOUTHERN WOOD - GLENWOOD, INC.
400 SOUTH SPUR 8
GLENWOOD, ARKANSAS 71943
(870) 356-3800

GREAT SOUTHERN WOOD - JESUP, INC.
2505 SOUTH MACON STREET
JESUP, GEORGIA 31598
(912) 530-3020

GREAT SOUTHERN WOOD – MT. PLEASANT, INC.
2993 COUNTY ROAD 3210
MT. PLEASANT, TEXAS 75455
(903) 572-9663

GREAT SOUTHERN WOOD - TUSCUMBIA, INC.
1703 DENTON ROAD
TUSCUMBIA, ALABAMA 35674
(256) 314-0504

GULF TREATING, INC.
1850 CONCEPTION STREET ROAD
MOBILE, ALABAMA 36633
(251) 457-6872

HILLS PRODUCT GROUP
I-90, OFF WHITEWOOD EXIT
WHITEWOOD, SOUTH DAKOTA 57793
(605) 269-2233

HIXSON LUMBER SALES
POST OFFICE BOX 1466
MAGNOLIA, ARKANSAS 71753
(870) 234-7820

HOOVER TREATED WOOD PRODUCTS
154 WIRE ROAD
THOMSON, GEORGIA 30824
(706) 595-5058

INNOVATIVE PINE TECHNOLOGY/LAKE STATES
1102 PORT TERMINAL DRIVE
DULUTH, MINNESOTA 55802
(218) 733-9663

JOHN A. BIEWER COMPANY OF ILLINOIS
524 EAST UNION STREET
SENECA, ILLINOIS 61360
(815) 357-6792

JOHN A. BIEWER COMPANY OF WISCONSIN
400 RED PINE COURT
PRENTICE, WISCONSIN 54556
(715) 428-2762

MAINE WOOD TREATERS, INC.
POST OFFICE BOX 58
MECHANIC FALLS, MAINE 04256
(207) 345-8411

MIDWEST MANUFACTURING
14317 COUNTY ROAD 15
PIONEER, OHIO 43554
(419) 485-6909

MIDWEST MANUFACTURING
5331 KANE ROAD
EAU CLAIRE, WISCONSIN 54703-9624
(715) 876-3211

NEW SOUTH WOOD PRESERVING LLC
3700 CLAY POND ROAD
MYRTLE BEACH, SOUTH CAROLINA 29579
(843) 236-9399

NORTHERN CROSSARM
11278 COUNTY HIGHWAY X
CHIPPEWA FALLS, WISCONSIN 54729
(715) 723-4100

PERRY LOGISTICS
2760 RALEIGH ROAD
HENDERSON, NORTH CAROLINA 27537
(252) 492-3046

ROBBINS MANUFACTURING
13001 NORTH NEBRASKA AVENUE
TAMPA, FLORIDA 33612-4456
(813) 971-3030

SHENANDOAH WOOD PRESERVERS, INC.
301 EAST 16TH STREET
SCOTLAND NECK, NORTH CAROLINA, 27874
(252) 826-4151

SOUTH HOUSTON LUMBER
607 DUMONT STREET
SOUTH HOUSTON, TEXAS 77587
(713) 944-2111

STEINKAMP WAREHOUSE, INC.
POST OFFICE BOX 535
HUNTINGBURG, INDIANA 47542
(812) 683-3860

STRAITS WOOD TREATING
4804 EAST WILDER ROAD
BAY CITY, MICHIGAN 48706
(989) 684-3584

THOMAS WOOD PRESERVING
 1964 MURFF DRIVE
 GRENADA, MISSISSIPPI 38901
 (662) 226-2350

TOMBALL LIMITED
 42511 OLD HOUSTON HIGHWAY
 WALLER, TEXAS 77484
 (936) 372-0477

TRUEGUARD, LLC
 725 SOUTH 32ND STREET
 WASHOUGAL, WASHINGTON 98671
 (360) 835-8547

UFP BELCHERTOWN, LLC
 155 BAY ROAD
 BELCHERTOWN, MASSACHUSETTS 01007
 (413) 323-7247

UFP NEW WAVERLY, LLC
 146 B FM 2793
 NEW WAVERLY, TEXAS 77358
 (936) 295-3411

**UNIVERSAL FOREST PRODUCTS
 EASTERN DIVISION, INC.**
 2801 EAST BELTLINE, N.E.
 GRAND RAPIDS, MICHIGAN 49525
 (616) 364-6161

**UNIVERSAL FOREST PRODUCTS
 WESTERN DIVISION, INC.**
 2801 EAST BELTLINE, N.E.
 GRAND RAPIDS, MICHIGAN 49525
 (616) 364-6161

VALLEY TIMBER SALES
 10584 JAMES MADISON HIGHWAY
 GORDONSVILLE, VIRGINIA 22952
 (540) 832-3646

WESTERN WOOD PRESERVING COMPANY
 POST OFFICE BOX 1250
 SUMNER, WASHINGTON 98390
 (253) 863-8191

WESTERN WOOD TREATING, INC.
 POST OFFICE BOX 1443
 WOODLAND, CALIFORNIA 95776
 (530) 666-1261

WOOD PROTECTION, LP
 5151 SOUTH LOOP EAST
 HOUSTON, TEXAS 77033-0376
 (713) 733-7421

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2009 *International Building Code*® (IBC)
- 2009 *International Residential Code*® (IRC)
- Other Codes (see Section 8.0)

Properties evaluated:

- Preservative-treated wood
- Decay resistance
- Termite resistance
- Corrosion
- Structural

2.0 USES

Osmose MicroPro®/LifeWood® and Sustain® preservative-treated wood is used in applications that are required by the code to be protected against decay and termites.

3.0 DESCRIPTION

3.1 General:

MicroPro®/LifeWood® and Sustain® preservative-treated wood products are recognized for use in aboveground, ground-contact (general use and critical structural), and freshwater-contact applications and to resist attack by fungal decay, and subterranean termites, including Formosan termites.

The preservatives to treat MicroPro®/LifeWood® and Sustain® are produced by Osmose, Inc., and are used by the wood-preserving treatment facilities listed in Table 3 of this report to preservative-treat wood products in accordance with the Osmose, Inc., Standard MCA® quality control documentation.

3.2 Preservative System:

MicroPro®/LifeWood® and Sustain® brand wood is treated with a copper and azole preservative system. The preservative includes specified ingredients of micronized copper and tebuconazole. The active micronized copper expressed as copper metal (Cu) to azole (tebuconazole) in the wood preservative is in a ratio of 25:1 with tolerances as specified in the proprietary quality control documentation.

3.3 Materials:

MicroPro®/LifeWood® and Sustain® preservative-treated wood materials may consist of the following:

- a. Dimensional lumber and timbers of the following species consisting of primarily sapwood: southern pine, mixed southern pine, radiata pine, Caribbean pine, red pine, Ponderosa pine, and German Scots pine.
- b. Dimensional lumber and timbers of the following species consisting primarily of heartwood: incised hem-fir and incised Douglas-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.
- e. Round and sawn posts and building poles of Southern pine, ponderosa pine, red pine and incised hem-fir.

Minimum preservative retention levels must comply with the values shown in Table 1 of this evaluation report.

4.0 INSTALLATION

4.1 General:

MicroPro®/LifeWood® and Sustain® preservative-treated wood is installed as preservative-treated lumber and timbers in accordance with the requirements of the applicable code.

Osmose, 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 Osmose, Inc., instructions and this report.

4.2 Applications:

MicroPro®/LifeWood® and Sustain® preservative-treated wood products may be used in locations where wood is permitted and/or in locations required by the code to be fungal decay or termite resistant 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 and Sections R317, R318 and R402.1.2 of the IRC.

4.3 Fasteners:

Fasteners used with MicroPro®/LifeWood® and Sustain® preservative-treated 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. In addition, carbon steel fasteners may be used for UC1 and UC2 interior, aboveground, weather-protected applications such as sill plates, interior framing and interior trusses.

4.4 Structural:

4.4.1 Duration of Load: The maximum load duration factor allowed for MicroPro®/LifeWood® and Sustain® treated 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 the treated wood products have been incised, the reference design values must be multiplied by the incising factor, C_i , in accordance with Section 4.3.8 of the NDS.

5.0 CONDITIONS OF USE

The MicroPro®/LifeWood® and Sustain® preservative-treated wood products described in this report comply with, or are suitable alternatives 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 in Section 4.2.
- 5.2 Surface treatment of field cuts must be in accordance with the recommendations of Osmose, Inc.
- 5.3 The MicroPro®/LifeWood® and Sustain® preservative-treated wood products are limited to the wood species noted in Section 3.3 and the minimum retention levels noted in Table 1.
- 5.4 Treatment of wood products is at the facilities of the treaters 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, Inc. (AA-680).

6.0 EVIDENCE SUBMITTED

Data in accordance with Appendix A, Copper-Azole Wood-Preservative Treatment Systems (Formerly AC143), of the ICC-ES Acceptance Criteria for Proprietary Wood Preservative Systems-Common Requirements for Treatment Process, Test Methods and Performance (AC326), dated June 2009.

7.0 IDENTIFICATION

MicroPro®/LifeWood® and Sustain® preservative-treated wood products must be labeled in accordance with AC326, the name of the inspection agency (Timber Products Inspection Inc. or Southern Pine Inspection Bureau, Inc.); the product name (MicroPro®/LifeWood® and Sustain®) or logo (see Figure 1); the treatment company name and plant location (refer to Table 3); the names of the preservative components; the intended end use; and the evaluation report number (ESR-2240). A sample label is shown as Figure 1. For optional sample label information, refer to Section 6.8.1 of AC326.

8.0 OTHER CODES

In addition to the codes referenced in Section 1.0, the products described in this report were evaluated for compliance with the requirements of the following legacy codes and earlier editions of the International Codes:

- 2006 *International Building Code*® (2006 IBC)
- 2006 *International Residential Code*® (2006 IRC)
- 2003 *International Building Code*® (2003 IBC)
- 2003 *International Residential Code*® (2003 IRC)
- 2000 *International Building Code*® (2000 IBC)
- 2000 *International Residential Code*® (2000 IRC)
- 1997 *Uniform Building Code*™ (UBC)
- BOCA® *National Building Code*/1999 (BNBC)
- 1999 *Standard Building Code*® (SBC)

The MicroPro®/LifeWood® and Sustain® preservative-treated wood products described in this report comply with, or are suitable alternatives to what is specified in, the codes listed above, subject to the provisions of Sections 8.1 through 8.6.

8.1 Uses: See Section 2.0.

8.2 Description: See Section 3.0.

8.3 Installation:

See Section 4.0, except for the following modifications:

Locations requiring preservative-treated wood for decay or termite resistance are described in Section 2304.11 of the 2000, 2003 and 2006 IBC, Sections R323 and R324 of the 2000 IRC, Sections R319 and R320 of the 2003 and 2006 IRC, Section 2304 of the SBC, Section 2311 of the BNBC, and Section 2306 of the UBC.

Fasteners used with MicroPro®/LifeWood® and Sustain® preservative-treated wood products must be in accordance with Section 2304.9.5 of the 2000, 2003 and 2006 IBC, Section R323.3 of the 2000 IRC, Section R319.3 of the 2003 and 2006 IRC, Section 2306.3 of the SBC, Section 2311.3.3 of the BNBC, and Section 2304.3 of the UBC, except that aluminum fasteners are also permitted. In addition, carbon steel fasteners may be used for UC1 and UC2 interior, aboveground, weather protected applications such as sill plates, interior framing and interior trusses.

8.4 Conditions of Use: See Section 5.0.

8.5 Evidence Submitted: See Section 6.0.

8.6 Identification: See Section 7.0.

TABLE 1—MINIMUM PRESERVATIVE RETENTION REQUIREMENTS FOR OSMOSE MICROPRO®/LIFEWOOD® AND SUSTAIN® WOOD PRODUCTS BY END USE

END USE	MINIMUM TOTAL RETENTION ^{1, 2} , pcf (kg/m ³)
Above ground	0.06 (1.0)
Ground contact—General Use	0.15 (2.4)
Ground contact—Critical Structural	0.23 (3.7)

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

²Minimum active component retentions of Cu and azole are noted in the Osmose, Inc., Standard MCA and Sustain® quality control documentation.

TABLE 2—TYPICAL APPLICATIONS FOR OSMOSE MICROPRO®/LIFEWOOD® AND SUSTAIN® 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 and rapid water runoff	UC3A	Exterior - coated millwork, siding and trim
Exterior construction, above ground, uncoated and poor water runoff	UC3B	Decking, guardrails, spindles, flooring, deck joists, beams and framing, deck posts above grade support on concrete piers with a steel bracket, trim and fascia, sill plates, fence rails, trellises, gazebos
Ground contact - general use	UC4A	Deck support posts, fence posts, retaining walls
Ground contact - critical structural	UC4B	Permanent wood foundations, sawn and round building poles, wood used in salt water splash zones

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS

LISTEES	WOOD PRESERVATIVE TREATMENT LOCATIONS
Alabama-Georgia Wood Preserving	Lafayette, AL
Aljoma Lumber, Inc.	Medley, FL
Allstate Treating & Manufacturing Company, Inc.	Tuscumbia, AL
Anthony Wood Treating, Inc.	Hope, AR
BB&S Treated Lumber of New England	North Kingstown, RI
Biewer of Lansing LLC	Lansing, MI
C. M. Tucker Lumber Sales, LLC	Pageland, SC
California Cascade Fontana, Inc.	Fontana, CA
Coastal Treated Products Company	Havana, FL Weldon, NC Oxford, PA Hopwood, PA
Commercial Lumber Company	North Little Rock, AR
Commonwealth Wood Preservers	Hampton, VA
Conasauga Wood Preservers	Conasauga, TN
Culpeper Wood Preservers	Shelbyville, IN Culpeper, VA Columbia, SC Fredericksburg, VA
D & D Wood Preserving, Inc.	Albany, GA
Davis Brothers Lumber Company	Richland, SC
Eastex Forest Products	Houston, TX
Elder Wood Preserving Company	Mansura, LA
Fortress Wood Products	Greensboro, NC Elizabeth City, NC
Free State Lumber	Haleyville, AL
Georgia Wood Preserving, Inc.	Crawfordville, GA
Great Southern Wood Preserving	Conyers, GA Abbeville, AL Irvington, AL
Great Southern Wood - Buckner, Inc.	Buckner, MO
Great Southern Wood - Bushnell, Inc.	Bushnell, FL
Great Southern Wood - Columbus, Inc.	Columbus, TX
Great Southern Wood - Glenwood, Inc.	Glenwood, AR
Great Southern Wood - Jesup, Inc.	Jesup, GA
Great Southern Wood - Mt. Pleasant, Inc.	Mt. Pleasant, TX

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS (Continued)

LISTEES	WOOD PRESERVATIVE TREATMENT LOCATIONS
Great Southern Wood - Tuscumbia, Inc.	Tuscumbia, AL
Gulf Treating, Inc.	Mobile, AL
Hills Product Group	Whitewood, SD
Hixson Lumber Sales	Magnolia, AR Pine Bluff, AR Plumerville, AR Hillsboro, IL Winnfield, LA Caddo Mills, TX Willis, TX Gilmer, TX Streator, IL
Hoover Treated Wood Products	Pine Bluff, AR
Innovative Pine Technology/Lake States	Duluth, MN
John A. Biewer Company of Illinois	Seneca, IL
John A. Biewer Company of Wisconsin	Prentice, WI
Maine Wood Treaters, Inc.	Mechanic Falls, ME
Midwest Manufacturing	Pioneer, OH Eau Claire, WI
New South Wood Preserving LLC	Camden, SC Conway, SC
Northern Crossarm	Chippewa Falls, WI
Perry Logistics	Henderson, NC
Robbins Manufacturing	Tampa, FL Gainesville, GA Orlando, FL Rockwell, NC Thomaston, GA
Shenandoah Wood Preservers, Inc.	Scotland Neck, NC
South Houston Lumber	South Houston, TX
Steinkamp Warehouse, Inc.	Huntingburg, IN
Straits Wood Treating	Bay City, MI
Thomas Wood Preserving	Grenada, MS
Tomball Limited	Waller, TX
Trueguard, LLC	Washougal, WA Loveland, CO White City, OR
UFP Belchertown, LLC	Belchertown, MA
UFP New Waverly, LLC	New Waverly, TX
Universal Forest Products Eastern Division, Inc.	Moultrie, GA Union City, GA Salisbury, NC Auburndale, FL Granger, IN Janesville, WI Ranson, WV Stockertown, PA Elizabeth City, NC Lodi, OH Blanchester, OH Lansing, MI
Universal Forest Products Western Division, Inc.	Windsor, CO Saginaw, TX Harrisonville, MO Schertz, TX Silsbee, TX White Bear Lake, MN
Valley Timber Sales	Gordonsville, VA
Western Wood Preserving Company	Sumner, WA
Western Wood Treating, Inc.	Woodland, CA
Wood Protection, LP	Houston, TX

TABLE 4—LISTEES AND PRIVATE BRAND NAMES FOR MICROPRO®/LIFEWOOD® AND SUSTAIN®

PRESERVATIVE-TREATED WOODCOMPANY	PRIVATE BRAND NAME	
	LifeWood®	Sustain®
Osmose, Inc.		
Alabama-Georgia Wood Preserving	Note 1	Note 1
Aljoma Lumber, Inc.	ProWood Micro CA and WeatherShield®	ProWood Micro CA and WeatherShield®
All State Treating & Manufacturing Company, Inc.	Note 1	Note 1
Anthony Wood Treating, Inc.	WeatherShield® and Note 1	WeatherShield® and Note 1
BB&S Treated Lumber of New England	WeatherShield® and Note 1	WeatherShield® and Note 1
Biewer of Lansing LLC	WeatherShield®, Everguard, and Select Cut	WeatherShield®, Everguard and Select Cut
C. M. Tucker Lumber Sales, LLC	Note 1	Note 1
California Cascade Fontana, Inc.	Note 1	Note 1
Coastal Treated Products Company	Note 1	Note 1
Commercial Lumber Company	Note 1	Note 1
Commonwealth Wood Preservers	WeatherShield® and Note 1	WeatherShield® and Note 1
Conasauga Wood Preservers	Note 1	Note 1
Culpeper Wood Preservers	Note 1	Note 1
D & D Wood Preserving	Note 1	Note 1
Davis Brothers Lumber Company	Note 1	Note 1
Eastex Forest Products	Note 1	Note 1
Elder Wood Preserving Company	Note 1	Note 1
Fortress Wood Products	Note 1	Note 1
Free State Lumber	Note 1	Note 1
Georgia Wood Preserving, Inc.	Note 1	Note 1
Great Southern Wood Preserving	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Buckner, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Bushnell, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Columbus, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Glenwood, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Jesup, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood – Mt. Pleasant, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Great Southern Wood - Tuscumbia, Inc.	WeatherShield® and Yella Wood	WeatherShield® and Yella Wood
Gulf Treating, Inc.	Note 1	Note 1
Hills Product Group	Note 1	Note 1
Hixson Lumber Sales	Note 1	Note 1
Hoover Treated Wood Products	Note 1	Note 1
Innovative Pine Technology/Lake States	XGUARD	XGUARD
John A. Biewer Company of Illinois	WeatherShield®, Everguard, and Select Cut	WeatherShield®, Everguard, and Select Cut
John A. Biewer Company of Wisconsin	WeatherShield®, Everguard, and Select Cut	WeatherShield®, Everguard, and Select Cut
Maine Wood Treaters, Inc.	Note 1	Note 1
Midwest Manufacturing	AC2 Micro	AC2 Micro
New South Wood Preserving LLC	Gator Guard	Gator Guard
Northern Crossarm	Note 1	Note 1
Perry Logistics	Note 1	Note 1
Robbins Manufacturing	Natural MC	Natural MC®
Shenandoah Wood Preservers, Inc.	WeatherShield® and Note 1	WeatherShield® and Note 1
South Houston Lumber	Note 1	Note 1
Steinkamp Warehouse, Inc.	Note 1	Note 1
Straits Wood Treating	Note 1	Note 1
Thomas Wood Preserving	Note 1	Note 1
Tomball Limited	Note 1	Note 1
Trueguard, LLC	Note 1 and Sunwood MicroPro	Note 1 and Sunwood MicroPro
UFP Belchertown, LLC	ProWood Micro CA and WeatherShield®	ProWood Micro CA and WeatherShield®
UFP New Waverly, LLC	ProWood Micro CA and WeatherShield®	ProWood Micro CA and WeatherShield®

TABLE 4—LISTEES AND PRIVATE BRAND NAMES FOR MICROPRO®/LIFEWOOD® AND SUSTAIN® (Continued)

PRESERVATIVE-TREATED WOODCOMPANY	PRIVATE BRAND NAME	
Universal Forest Products Eastern Division, Inc.	ProWood Micro CA and WeatherShield®	ProWood Micro CA and WeatherShield®
Universal Forest Products Western Division, Inc.	ProWood Micro CA and WeatherShield®	ProWood Micro CA and WeatherShield®
Valley Timber Sales	Note 1	Note 1
Western Wood Preserving Company	Note 1 and Sunwood MicroPro	Note 1 and Sunwood MicroPro
Western Wood Treating, Inc.	Note 1 and Sunwood MicroPro	Note 1 and Sunwood MicroPro
Wood Protection, LP	Note 1	Note 1

¹The private brand name is as noted for the report holder, Osmose, Inc.

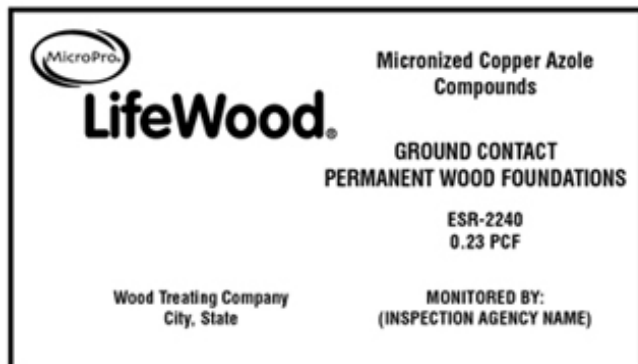
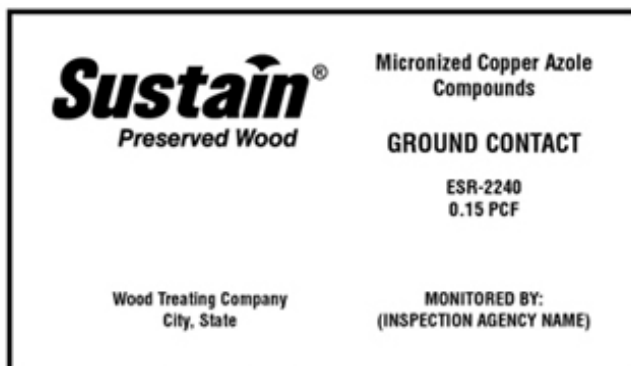
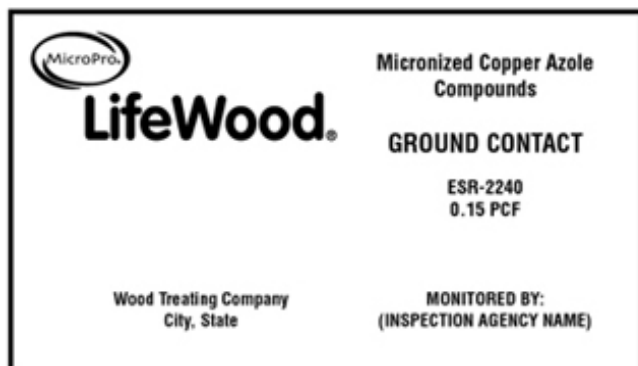
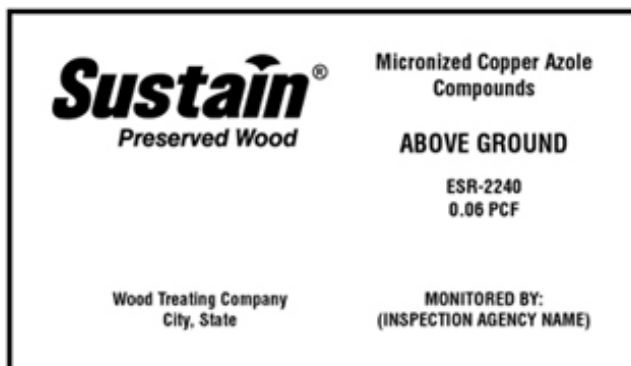
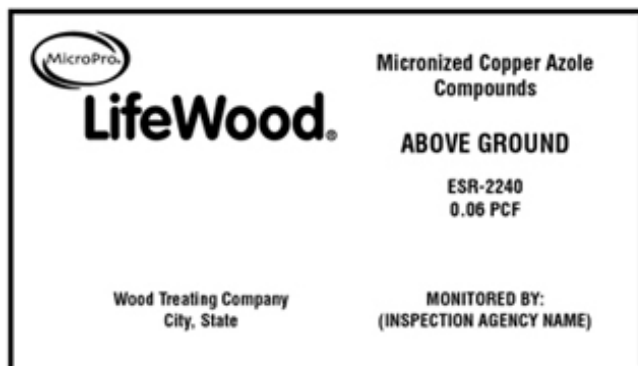


FIGURE 1—SAMPLE PRODUCT LABELS (RETENTION OPTIONAL)