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

REPORT HOLDER:

VIANCE, LLC
200 EAST WOODLAWN ROAD, SUITE 350
CHARLOTTE, NORTH CAROLINA 28217
(704) 522-0825
www.treatedwood.com

EVALUATION SUBJECT:

ECOLIFE™ II PRESERVATIVE-TREATED WOOD

ADDITIONAL LISTEES:

ARIZONA PACIFIC WOOD PRESERVING CORPORATION
850 WEST CHAMBERS
ELOY, ARIZONA 85231

APPALACHIAN FOREST PRODUCTS
121 SPRING STREET
MOSHEIM, TENNESSEE 37818

BB&S OF NEW ENGLAND
61 BONNEAU ROAD
NORTH KINGSTOWN, RHODE ISLAND 02852

BESTWAY OF PENNSYLVANIA, INC.
3870 SR 191/390
CRESCO, PENNSYLVANIA 18326

BLUE RIDGE WOOD PRESERVING
1220 HENDRICKS STORE ROAD
MONETA, VIRGINIA 24121

C.M. TUCKER LUMBER CO., LLC
601 NORTH PEARL STREET
PAGELAND, SOUTH CAROLINA 29728

CENTRAL NEBRASKA WOOD PRESERVERS
105 OWEN STREET
SUTTON, NEBRASKA 68979

COLLUM LUMBER MILL
1723 BARNWELL HIGHWAY, BOX 535
ALLENDALE, SOUTH CAROLINA 29810

COOS HEAD FOREST PRODUCTS, INC.
69015 HAUSER DEPOT ROAD
NORTH BEND, OREGON 97459

CULPEPER WOOD PRESERVERS
15487 BRAGGS CORNER ROAD
CULPEPER, VIRGINIA 22701

GEORGIA PACIFIC CORPORATION
3077 CARTER HILL ROAD
MONTGOMERY, ALABAMA 36111

IOWA WOOD PRESERVERS
2101 SOUTH 17TH STREET
OSKALOOSA, IOWA 52577

LAND AND SEA FOREST PRODUCTS
400 ROCK RUN ROAD
FAIRLESS HILLS, PENNSYLVANIA 19030

NORTHERN CROSSARM CO., INC.
11278 COUNTY HIGHWAY X
CHIPPEWA FALLS, WISCONSIN 54729

PACIFIC WOOD PRESERVING
5601 DISTRICT BOULEVARD
BAKERSFIELD, CALIFORNIA 93309

PACIFIC WOOD PRESERVING OF OREGON
22125 SW ROCK CREEK ROAD
SHERIDAN, OREGON 97378

POLLARD LUMBER CO., INC.
5863 WASHINGTON ROAD
APPLING, GEORGIA 30802

POTOMAC SUPPLY
1398 KINSALE ROAD
KINSALE, VIRGINIA 22488

SUNBELT FOREST PRODUCTS CORPORATION
HIGHWAY 17 AND SPIRIT LAKE ROAD
BARTOW, FLORIDA 33830

SUPERIOR WOOD TREATING
13702 STEWART ROAD
SUMNER, WASHINGTON 98390

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Other Codes (see Section 8.0)

Properties evaluated:

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

2.0 USES

Ecolife™ II preservative-treated wood is used in aboveground applications that are required by the code to be protected against decay and termites.

3.0 DESCRIPTION**3.1 General:**

Ecolife™ II preservative-treated wood products are recognized for use in aboveground applications and to resist attack by fungal decay and subterranean termites, including Formosan termites.

Viance Ecovance™ brand wood preservative is produced by Viance, LLC, and is used by the wood-preservative treatment facilities listed in Table 3 of this report to preservative- treat wood members and plywood in accordance with the Viance, LLC, Standard Ecolife™ II-08.

3.2 Preservative System:

Ecovance™ brand wood preservative is a DCOIT fungicide wood preservative containing 4, 5-Dichloro-2-n-octyl-4-isothiazolin-3-one and the insecticide Imidacloprid. The Ecovance fungicide is diluted in water or Ecovance work solution. The Imidacloprid insecticide is provided as a water-soluble concentrate.

3.3 Materials:

The following products may treated with the Ecolife™ II preservative system:

- a. Dimensional lumber and timbers of the following species consisting of primarily sapwood: southern pine, mixed southern pine, radiata pine, Patula pine, Caribbean pine, red pine, Ponderosa pine, eastern white pine, and German Scots pine.
- b. Dimensional lumber of the following species consisting primarily of heartwood: hem-fir, hem-fir North, eastern hemlock, subalpine fir, Douglas fir, redwood, and western red cedar.
- 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 must comply with the values shown in Table 1 of this evaluation report.

4.0 INSTALLATION**4.1 General:**

Ecolife™ II preservative-treated wood is installed as preservative-treated lumber and timbers in accordance with the requirements of the applicable code.

Viance, LLC, 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 Viance, LLC, instructions and this report.

4.2 Applications:

Ecolife™ II preservative-treated wood products may be used in aboveground locations where wood is permitted and/or in aboveground locations required by the code to be resistant to fungal decay or termites. The treated wood products are limited to use in aboveground 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 and Sections R319 and R320 of the IRC.

4.3 Fasteners:

Fasteners used with Ecolife™ II 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.

4.4 Structural:

4.4.1 Duration of Load: The maximum load duration factor allowed for Ecolife™ II 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, Ci, in accordance with Section 4.3.8 of the NDS.

5.0 CONDITIONS OF USE

The Ecolife™ II 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 Viance, LLC.
- 5.3** The Ecolife™ II preservative-treated wood products are limited to the wood species noted in Section 3.3 and 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 (AA-680).

6.0 EVIDENCE SUBMITTED

Data in accordance with Appendix C, DCOIT Wood Preservative Systems (Formerly AC314), of the ICC-ES Acceptance Criteria for Proprietary Wood Preservative Systems-Common Requirements for Treatment Process, Test Methods and Performance (AC326), dated February 2008.

7.0 IDENTIFICATION

Ecolife™ II preservative-treated lumber must be labeled with the name of the inspection agency (Timber Products Inspection Inc. or Southern Pine Inspection Bureau, Inc.); the product name (Ecolife™ II) or logo (see Figure 1); the treatment company name and plant location (refer to Table 3); the name of the preservative components; the intended end use; and the evaluation report number (ESR-1851). A sample label is shown as Figure 1.

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:

- 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 Ecolife™ II 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 and 2003 IBC, Sections R323 and R324 of the 2000 IRC, Sections R319 and R320 of the 2003 IRC, Section 2304 of the SBC, Section 2311 of the BNBC, and Section 2306 of the UBC.

Fasteners used with Ecolife™ II preservative-treated wood products must be in accordance with Section 2304.9.5 of the 2000 and 2003 IBC, Section R323.3 of the 2000 IRC, Section R319.3 of the 2003 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.

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 ECOLIFE™ II WOOD PRODUCTS BY END USE

END USE	MINIMUM TOTAL RETENTION, pcf (kg/m ³)	MINIMUM COMPONENTS RETENTION ¹ , pcf (kg/m ³)	
		DCOIT	Imidacloprid
Above ground UC1, UC2, UC3A, UC3B	0.0187 (0.3)	0.0187 (0.3)	Note 2

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

²The Imidacloprid insecticide is blended with the Ecovance brand wood preservative solution.

TABLE 2—TYPICAL APPLICATIONS FOR ECOLIFE™ II 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

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS

LISTEES	WOOD PRESERVATIVE TREATMENT LOCATIONS
Arizona Pacific Wood Preserving Corp.	Eloy, AZ
Appalachian Forest Products	Mosheim, TN
BB & S of New England	North Kinstown, RI
Bestway of Pennsylvania	Cresco, PA
Blue Ridge Wood Preserving	Moneta, VA
C.M. Tucker Lumber Co., LLC	Pageland, SC
Central Nebraska Wood	Sutton, NE
Collum Lumber Mill	Allendale, SC
Coos Head Forest Products, Inc., dba Durawood FP	North bend, OR
Culpeper Wood Preservers	Streator, IL Columbia, SC Culpeper, VA Frederickburg, VA
Georgia Pacific/Southeast Wood Treating	Athens, AL Nauvoo, AL Louisville, AL Rockledge, FL Rochelle, IL Richmond, IN Pleasant Hill, MO Herderson, NC Rock Hill, SC Mineola, TX
Iowa Wood Preserving	Oskaloosa, IA
Land and Sea Forest Products	Fairless Hills, PA
Northern CrossArm Co., Inc.	Chippewa Falls, WI
Pacific Wood Preserving	Bakersfield, CA Sheridan, OR
Pollard Lumber	Appling, GA
Potomac Supply	Kinsale, VA
Sunbelt Forest Products	Bartow, FL
Superior Wood Treating	Sumner, VA

TABLE 4—ALTERNATE BRAND NAMES BY INDIVIDUAL LISTEES
FOR LUMBER AND PLYWOOD TREATED WITH ECOLIFE™ II

COMPANY	PRIVATE BRAND NAME
Appalachian FP	Top Choice/Severe Weather
Bestway of Pennsylvania	Top Choice/Severe Weather
C.M. Tucker	Top Choice/Severe Weather
Collm Lumber Mill	Top Choice/Severe Weather
Coos Head Forest Products	Durawood/Cedar Treat
Culpeper Wood Preservers	Prodigy, Pure Pine
Georgia Pacific/SE Wood	Top Choice/Severe Weather
Land and Sea Forest Products	Top Choice/Severe Weather
Pollard Lumber	Top Choice/Severe Weather
Potomac Supply	Top Choice/Severe Weather
Sunbelt Forest Products	Tropical Decking
Viance, LLC	Ecolife II

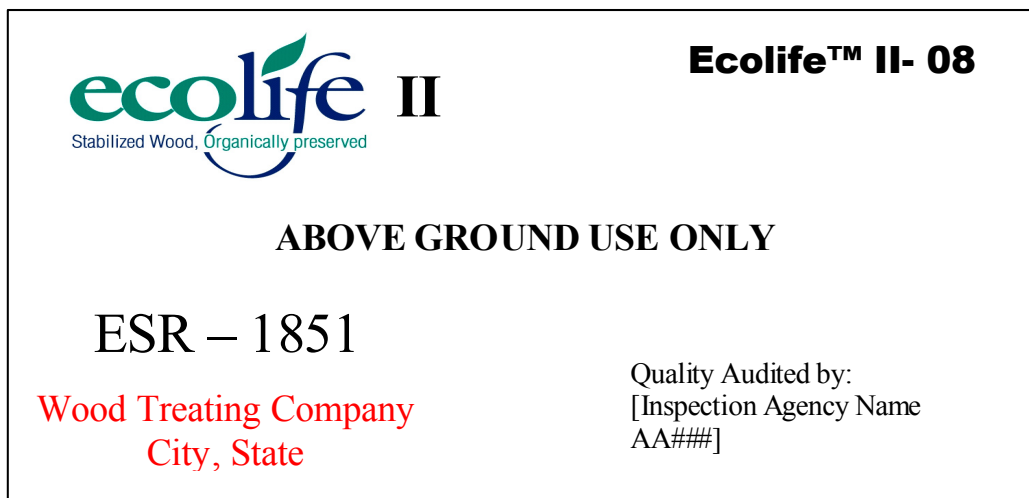


FIGURE 1—SAMPLE PRODUCT LABEL
(Product must also be labeled with the minimum retention as specified in Table 1)