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DIVISION: 06—WOOD AND PLASTICS
Section: 06070—Wood Treatment
Section: 06073—Insect Treatment

REPORT HOLDER:

POSTSAVER® USA
246 NORTH LINCOLN AVENUE
LEBANON, PENNSYLVANIA 17046
(610) 681-6451
www.postsaverusa.com
jmakevek@postsaverusa.com

EVALUATION SUBJECT:

POSTSAVER® SYSTEM

ADDITIONAL LISTEE:

ADVANCED SOLUTIONS, LLC
246 NORTH LINCOLN AVENUE
LEBANON, PENNSYLVANIA 17046
(717) 389-0353

1.0 EVALUATION SCOPE

Compliance with the following codes:

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

Properties evaluated:

- Decay resistance
- Termite resistance

2.0 USES

The Postsaver® System is used as a barrier system for protection of sawn lumber posts and round posts used in ground-contact applications.

3.0 DESCRIPTION

3.1 General:

The Postsaver® System consists of a preformed polyethylene boot and bitumen adhesive which is factory-installed to one end of wood posts. The system is used to protect solid-sawn lumber and engineered products made from solid-sawn lumber (glulam and nail-lam columns) from decay and termites and is used for both preservative-treated wood and nonpreservative-treated wood.

3.2 Materials:

3.2.1 Boot: The boot is a preformed polyethylene boot that is shrink-wrapped and adhered with bitumen to one end of the wood posts. The polyethylene boot material is a minimum of 0.30 millimeter thick, complying with ASTM D 4801.

3.2.2 Bitumen: Bitumen is applied to the inside of the boot as an interlayment to the wood post. The bitumen is liquified during the heat-shrinking process which penetrates the wood. The bitumen coverage rate is determined as a percent of the total surface area covered by the boot. The bitumen is prepared from asphalt complying with ASTM D 312 or EN13304, Type 3, with an average minimum thickness of 0.25 millimeter.

3.2.3 Wood Posts: Wood post members, used in the manufacture of the Postsaver® System, are of any grade marked wood species of sawn lumber posts and round posts. The grade mark must be visible after fabrication for grades other than No. 2. When preservative-treated wood members are used, they must bear a quality mark by an accredited third-party inspection agency and the quality mark must be visible after fabrication. Engineered wood products, using solid-sawn lumber, must be evaluated in a current ICC-ES evaluation report and labeled by an accredited third-party inspection agency; and the label must be visible after fabrication.

4.0 INSTALLATION

4.1 General:

Postsaver® System fabricated wood posts are installed in accordance with this report and the manufacturer's published installation instructions.

The instructions within this report govern if there are any conflicts between Postsaver® USA instructions and this report.

The "ground level" is identified on the boot material. The posts are installed with the boot in the ground, and the top of the boot must be installed a minimum of 2 inches (51 mm) above exposed earth for preservative-treated posts and a minimum of 8 inches (203 mm) for nonpreservative-treated posts.

4.2 Applications:

The Postsaver® System fabricated wood posts are permitted for ground-contact locations requiring preservative-treated wood under the applicable code. The Postsaver® System is used to protect nonpreservative-treated wood posts used as interior floor supports in ground contact. The boot material must extend a minimum of 8 inches (203 mm) above exposed earth. The Postsaver system is also used to protect preservative-treated wood posts which are recognized for aboveground exterior use but are installed as support posts in ground contact.

Locations requiring preservative-treated wood for fungal decay or termite resistance are described in Section 2304.11

of the IBC, Sections R319 and R320 of the IRC, Section 2304 of the SBC, Section 2311 of the BNBC, and Section 2306 of the UBC.

4.3 Structural:

The grade, size and shape of the wood members must comply with the applicable building code for their intended use. The structural analysis and design of the wood members must be in accordance with the applicable building code.

The maximum load duration factor allowed for Postsaver® System fabricated wood posts is 1.6 (1.33 for UBC), in accordance with Section 2.3 of the AF&PA, National Design Specification for Wood Construction (NDS).

5.0 CONDITIONS OF USE

The Postsaver® System fabricated wood posts 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 Postsaver® System fabricated wood posts must be installed in accordance with the manufacturer's published installation instructions.
- 5.2 Penetration of the boot material below "Ground Level" on the post by fasteners, bolts and nails is not permitted.
- 5.3 The use of Postsaver® System fabricated wood posts is limited to the applications noted in Section 4.2.

5.4 Postsaver® System fabricated wood posts, using nonpreservative-treated wood members, are not permitted in applications where the untreated portions of the wood members are directly exposed to the weather.

5.5 Postsaver® System fabricated wood posts must not be installed in areas infested with Formosan termites.

5.6 Postsaver® System fabricated wood posts are manufactured by Advanced Solutions, LLC, in Lebanon, Pennsylvania, under a quality control program with inspections by Timber Products Inspection, Inc. (AA-664).

6.0 EVIDENCE SUBMITTED

Data in accordance with ICC-ES Acceptance Criteria for Barrier Systems for Protection of Wood Posts against Decay and Termites, (AC313), dated July 1, 2005.

7.0 IDENTIFICATION

Each Postsaver® System fabricated wood post covered by this report must bear a label located on the boot material with the name of the inspection agency (Timber Products Inspection, Inc.); the name of the report holder (Postsaver® USA) and the name and address of the listee fabricating the product; and the evaluation report number (ESR-1834). A sample label is shown in Figure 1 of this report.

2006		2007
POSTSAVER® USA ESR-XXXX	MANUFACTURER NAME LOCATION	
Quality Monitored by Timber Products Inspection		

¹The marks may appear in the form of indelible ink stamps, burn branding, noncorrosive metal tags, paper or vinyl tags, stencil or other approved methods. Copies of these marks will be on file at Postsaver® USA and the agency offices.

FIGURE 1—SAMPLE LABEL