

<p style="text-align: center;"><b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b> Housing - Federal Housing Commissioner</p> <p><b>TO: DIRECTORS, SINGLE FAMILY HOCs</b> <b>DIRECTORS, MULTIFAMILY HUBs</b></p>	<p><b>Series and Series Number:</b> <b>MATERIALS RELEASE NO: 1318a</b> (Supersedes issue dated July 12, 2004)</p>
	<p><b>ISSUE DATE</b> September 20, 2007</p>
	<p><b>REVIEW DATE</b> September 20, 2010</p>
<p><b>SUBJECT:</b> 1. Product SmartSide® Siding</p> <p>2. Name and address of Manufacturer Louisiana-Pacific Corporation 414 Union Street, Suite 2000 Nashville, TN 37219-1711</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE:

SmartSide® Siding is for use as Lap and Panel siding.

DESCRIPTION:

GENERAL:

The product consists of an engineered wood substrate containing zinc borate, bonded to a phenolic resin-saturated, primed paper overlay with glue line. The overlay is embossed during the manufacturing process with a smooth or simulated rough-sawn cedar texture. A sealer is applied during the manufacturing process to all edges.

The strands of the engineered wood siding are positioned strategically to provide the greatest strength along the axis perpendicular to supports. The wood composite is bonded together using exterior resins in combination with moisture, heat, and pressure. L-P's engineered wood siding meets all of the specifications established by the APA-The Engineered Wood Association (APA) series N-124 standard (for lap and panel). Lap siding is supplied 16 foot long (4.88 m) by 6, 8, & 12 inches wide (15.24 cm, 20.32 cm, & 30.48 cm), and is available in thicknesses of 5/16-inch, 3/8-inch, and 7/16-inch (7.94 mm, 9.53 mm, & 11.11 mm). Panel siding is supplied 4 feet, 6 feet, 7 feet, 8 feet, 9 feet, and 10 feet long (1.22 m, 1.83 m, 2.74 m, & 3.05 m) by 4 feet wide (1.22 m) and is available in thicknesses of 3/8-inch, 7/16-inch, and 19/32-inch (9.53 mm, 11.11 mm, 15.09 mm).

### SmartSide® Lap Siding:

SmartSide® Lap Siding is available in widths of 6, 8, and 12 inches (152, 203, and 305 mm); thicknesses of 5/16, 3/8 and 7/16 inches (7.94mm, 9/5 and 11.1 mm); and lengths of 16 feet (4877 mm). The siding is attached directly to framing members spaced a maximum of 16 inches (406 mm) on center for 3/8 inch thickness and 24 inches (610 mm) on center for 7/16 inch thickness or over one of the following nailable sheathings.

1. Nominal 1 inch (25.4 mm) boards with studs 16 or 24 inches (406 or 610 mm) on center.
2. Sheathing panels with a roof span rating of 24 inches (610 mm) or greater, with a long dimension placed either parallel or perpendicular to studs 16 or 24 inches (406 or 610 mm) on center.
3. Sheathing panels with a roof-span rating of less than 24 inches (610 mm), with the long dimension placed either parallel or perpendicular to studs 16 inches (406 mm) on center.

All installations of SmartSide® Lap Siding shall be backed by a weather-resistive barrier as required by the applicable building code.

SmartSide® Lap Siding joints shall be staggered over successive courses. For installation without nailable sheathing, lap siding joints shall occur over stud locations.

SmartSide® Lap Siding shall be attached with top nailing in which the nails are installed in the following manner:

SmartSide® Lap Siding: Nails shall be placed at the top of the lap siding panel, ¾ inch (19.1 mm) down from the upper edge. Each successive course of lap siding shall overlap a minimum of 1 inch (25.4 mm).

Self-aligning SmartSide<sup>®</sup> Lap Siding: Nails shall be placed at the top of the SmartSide<sup>®</sup> Lap Siding panel, ½ inch (12.7 mm) down from the upper edge. Each successive course of lap siding shall rest on the back rabbet and shall self align at an overlap of 13/16 inch (20.64 mm).

Fasteners shall be corrosion resistant. Nails attaching lap siding directly to framing shall be 8d box nails. Nails shall penetrate the solid wood framing a minimum of 1 ½ inches (38 mm).

Nails attaching the SmartSide<sup>®</sup> Lap Siding to nailable sheathing shall be spaced at 8 inches (203 mm) on center maximum, along the top edge of the siding. The nails used to fasten the siding shall be 8d box nails. Nails used to attach lap siding to sheathing shall also penetrate the sheathing and framing at each stud location a minimum of 1 ½ inches (38 mm).

#### SmartSide<sup>®</sup> Panel Siding:

SmartSide<sup>®</sup> Panel sidings are 4 feet (1219 mm) wide, 4 feet to 18 feet (1219 mm to 5486 mm) in length. SmartSide<sup>®</sup> Panel Siding is available in 3/8, 7/16, and 19/32 inch (9.5, 11.1, and 15.1 mm) thicknesses. The 3/8 inch thick (9.5 mm) panels have a minimum groove thickness of 0.164 inch (4.2 mm) and a minimum shiplap thickness of 0.136 (3.5 mm). The 7/16 inch thick (11.1 mm) panels have a minimum groove thickness of 0.235 inch (6.0 mm) and a minimum shiplap thickness of 0.150 inch (3.8 mm). The 19/32 inch thick (15.1 mm) panels have a minimum groove thickness of 0.311 inch (7.9 mm) and a minimum shiplap thickness of 0.194 inch (4.9 mm).

SmartSide<sup>®</sup> Panels shall be installed either directly to framing members or over one of the following nailable sheathing:

1. Nominal 1 inch (25.4 mm) boards with studs 16 or 24 inches (406 or 610 mm) on center.
2. Sheathing panels with a roof-span rating of 24 inches (610 mm) or greater, with the long dimension placed either parallel or perpendicular to studs 16 or 24 inches (406 or 610 mm) on center.
3. Sheathing panels with a roof span rating of less than 24 inches (610 mm), with the long dimension placed either parallel or perpendicular to studs 16 inches (406 mm) on center.

SmartSide® Panel Siding shall be installed with its long dimension oriented vertically. The 3/8 and 7/16 inch thick (9.5 & 11.1 mm) panel siding shall be fastened to framing members with 6d box nails. The 19/32 inch thick (15.1 mm) panel siding shall be fastened to framing members with 8d box nails. Nails shall penetrate wood framing a minimum of 1 ½ inches (38 mm). Fasteners shall be corrosion resistant.

When SmartSide® Panel Siding is applied directly to the framing, the maximum spacing of the framing shall be consistent with the span rating of the SmartSide® Panel siding, which is located on the panel's label.

All SmartSide® Panel joints shall occur at framing members and shall be protected with a continuous wood batt, approved caulking, flashing, vertical or horizontal shiplap or otherwise made waterproof.

When SmartSide® Panel Siding is installed over an approved foam plastic sheathing up to 1 inch (25.4 mm) in thickness, the siding shall be fastened with galvanized box nails of sufficient size to provide 1 ½ inch (38 mm) penetration into the framing.

#### INSTALLATION AND LIMITATIONS:

Louisiana-Pacific Corporation's SmartSide® Lap Siding and SmartSide® Panel Siding shall be installed in accordance with the requirements of this report and in accordance with HUD Minimum Property Standards (MPS). Additionally, the SmartSide® Lap Siding and SmartSide® Panel Siding shall be installed in accordance with Louisiana-Pacific Corporation's *Application Instructions for SmartSide® Lap Siding and SmartSide® Panel Siding*.

#### CERTIFICATION AND IDENTIFICATION:

Louisiana-Pacific Corporation shall certify that each SmartSide® Lap Siding and SmartSide® Panel Siding conforms to the requirements of this MR. The Quality Inspection Agency shall validate the manufacturer's certification that the SmartSide® Lap Siding and SmartSide® Panel Siding meet the requirements of this MR. Each certified SmartSide® Lap Siding or SmartSide® Panel Siding shall be marked with the following information:

1. Manufacturer's name and / or trademark
2. Plant number
3. Product designation
4. Grade
5. Evaluation report number (HUD MR 1318)
6. Quality control agency name and / or trademark

SAMPLE STAMP:



**APA**

*THE ENGINEERED  
WOOD ASSOCIATION*



Panel Grade → RATED SIDING -- SHEATHING

Span Rating → **16 OC** 7/16 INCH ← Thickness

Exposure Durability **SIZED FOR SPACING**  
Classification → EXTERIOR

**000** ← Mill ID No.

Code Reports → ESR-1301 PR-N124  
MR 1318 ←

HUD Material  
Release

Canadian Listing → CCMC 11826



QUALITY CONTROL:

The quality control manuals for SmartSide® Lap Siding and SmartSide® Panel Siding are on file with the HUD office and test data shall be available for inspection upon request by HUD.

Louisiana-Pacific produces SmartSide® Lap Siding and SmartSide® Panel Siding at the following plants:

Two Harbors  
711 25<sup>th</sup> Avenue  
Two Harbors, MN 55616  
Phone: (218) 834-5652

Newberry  
461 Miller Road  
Newberry, MI 49868  
Phone: (906) 293-3265

Tomahawk Operation  
Business Highway 51 South  
Tomahawk, WI 54487  
Phone: (715) 224-2700

L-P Hayward  
16751 US Highway 63  
Haywood, WI 54543-7129  
Phone: (715) 634-8946

WARRANTY:

Louisiana-Pacific Corporation warrants the SmartSide® Lap Siding and SmartSide® Panel Siding against faulty performance resulting from faulty materials or workmanship in the manufacturing process for a period of 30 years from the date of installation. For information concerning warranty for SmartSide® Lap Siding and SmartSide® Panel Siding, contact Louisiana-Pacific Corporation corporate office at 1313 Fairgrounds Road, Two Harbors, MN 55616 (phone: 218-834-5652).

The manufacturer's warranty does not, in any way, relieve the builder of responsibility under the terms of the Builder's Warranty required by the National Housing Act or under any provisions applicable to any other housing program. A copy of the manufacturer's warranty shall be furnished by the builder to the owner upon completion of the installation.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.

2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the FHA Standards, Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for a renewal or revision 90 days prior to the review date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development  
FHA Standards, Office of Manufactured Housing Programs  
451 7<sup>th</sup> Street, SW, Room 9168  
Washington, DC 20410-8000

Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development  
Miscellaneous Income - Technical Suitability of Products Program Fees  
Bank of America  
P. O. Box 198762  
Atlanta, GA 30384-8762

The holder of this MR may apply for revision at any time prior to the review date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program", and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be cancelled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted materials, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be cancelled. No refund of fees will be made on a canceled document.

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This Materials Release is issued solely for the captioned firm and is not transferable to any person or successor entity.  
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