

LP[®] SmartSide[®] Precision Series
Soffit and Rated Sheathing/Ceiling Deck
Louisiana-Pacific Corporation

PR-N117

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Product: LP[®] SmartSide[®] Precision Series Soffit and Rated Sheathing/Ceiling Deck
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1. Basis of the product report:
 - 2009 and 2006 International Building Code: Section 104.11 Alternative Materials
 - 2009 and 2006 International Residential Code: Section R104.11 Alternative Materials
 - DOC PS 2-04 Performance Standard for Wood-Based Structural-Use Panels
 - APA PRP-108 Performance Standards and Qualification Policy for Structural-Use Panels
 - APA Reports T92Q-17, T92Q-22, T94Q-17, T2000Q-21, T2007P-37, and other qualification data
2. Product description:

Louisiana-Pacific Corporation SmartSide[®] Precision Series Soffit and Rated Sheathing/Ceiling Deck panels are made with strands of various wood species and strand classifications in accordance with the in-plant manufacturing standard approved by APA, overlaid with a resin treated paper, and available with either a smooth or embossed surface texture. SmartSide[®] Precision Series Soffit panels are available in 3/8-, 7/16-, and 19/32-inch thicknesses. Rated Sheathing/Ceiling Deck panels are available in 7/16- and 19/32-inch thicknesses. They are available as 4x8-foot panels or cut to 8-, 12-, 16- or 24-inch widths in lengths up to 16 feet. The panels are treated with Zinc Borate for decay and insect resistance. The soffit panels are intended for use as closed soffits at a 24 o.c. Span Rating with the panel strength axis perpendicular to supports. The Rated Sheathing/Ceiling Deck panels are intended for use as open soffits at a 24/16 Span Rating with the panel strength axis perpendicular to supports.

Vented soffit products are available in a 3/8 inch thickness, widths of 8-, 12-, 16- or 24 inches and lengths up to 16 feet. Refer to the manufacturer's literature for details on the configuration of the vented soffits products.
3. Design properties:

Allowable wind loads for non-vented LP[®] SmartSide[®] Precision Series Soffit products are listed in Table 1.
4. Product installation:

LP[®] SmartSide[®] Precision Series Soffit and Rated Sheathing/Ceiling Deck shall be installed in accordance with the recommendations provided by the manufacturer (www.lpcorp.com/smartside/soffit/) and APA Design/Construction Guide: *Engineered Wood Construction Guide*, Form E30 (www.apawood.org/publications). The maximum span shall be in accordance with the Span Rating shown in the trademark.
5. Fire-resistant construction:

Wood structural panels that are not fire-treated have been shown to meet a Class III (or C) category for flame spread. Where otherwise specified, fire-resistant construction shall be in accordance with the recommendations provided in APA Design/Construction Guide: *Fire-Rated Systems*, Form W305 (see link above). Vented soffit products shall not be used in fire-resistant construction.

6. Limitations:
 - a) LP® SmartSide® Precision Series Soffit panels shall be used only as closed soffits at a 24 o.c. Span Rating with the panel strength axis perpendicular to supports.
 - b) LP® SmartSide® Precision Series Rated Sheathing/Ceiling Deck panels shall be used only for open soffits or sheathing at a 24/16 Span Rating with the panel strength axis perpendicular to supports.
 - c) LP® SmartSide® Precision Series Soffit used outdoors must be finished in accordance with recommendations provided by the manufacturer (see link above) and APA Design/Construction Guide: *Engineered Wood Construction Guide*, Form E30.
 - d) LP® SmartSide® Precision Series Soffit and Rated Sheathing/Ceiling Deck panels are produced at Louisiana-Pacific Corporation facilities in Hayward, WI, Newberry, MI, Tomahawk, WI, and Two Harbors, MN under a quality assurance program audited by APA.
 - e) This report is subject to re-examination in one year.

7. Identification:

LP® SmartSide® Precision Series Soffit and Rated Sheathing/Ceiling Deck panels described in this report are identified by a label bearing the manufacturer's name (Louisiana-Pacific Corporation) and/or trademark, the APA assigned plant number (357 for the Hayward plant, 416 for the Newberry plant, 435 for the Tomahawk plant, or 399 for the Two Harbors plant), the product thickness, the Span Rating, the Exposure Rating, the APA logo, the report number PR-N117, and a means of identifying the date of manufacture.

Table 1. Maximum wind speed (mph – 3-second gust) permitted for non-vented LP® SmartSide® Precision Series Soffit^(a)

Minimum Nail Size	Minimum Nominal Panel Thickness (in.)	Support Spacing ^(b) (in.)	Panel Nail Spacing		Maximum Wind Speed ^(c) (mph)			
			Edges (in. o.c.)	Field (in. o.c.)	Wind Exposure Category			
					B	C	D	
6d galvanized box (0.099" x 2.0")	3/8	16	6	12	105	90	85	
				6	150	130	120	
		24	6	12	85	NP	NP	
				6	125	105	90	
		8d galvanized box (0.113" x 2.5")	16	6	12	130	110	100
					6	170	150	145
24	6	12	105	90	85			
		6	150	130	120			
6d box galvanized (0.099" x 2.0")	7/16	16	6	12	105	90	NP	
				6	150	125	110	
		24	6	12	85	NP	NP	
				6	120	105	90	
		8d box galvanized (0.113" x 2.5")	16	6	12	130	110	100
					6	170	150	145
24	6	12	105	90	NP			
		6	150	125	110			
8d box galvanized (0.113" x 2.5")	19/32	16	6	12	125	105	90	
				6	170	150	140	
		24	6	12	100	85	NP	
				6	140	120	110	
		10d box galvanized (0.128" x 3.0")	16	6	12	145	125	110
					6	170	170	150
24	6	12	120	100	90			
		6	170	145	130			

^(a) Panels shall be applied with strength axis across supports.

^(b) Supporting framing must have a minimum specific gravity of 0.42.

^(c) Table is based on wind pressures acting toward and away from building surfaces, at 40-ft height in Zone 5 with smallest effective area per Section 6.4.2.2 of ASCE 7-05, Section R301.2 of the 2006 and 2009 IRC, and Section 1609.1.1 of the 2006 and 2009 IBC.

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APA – THE ENGINEERED WOOD ASSOCIATION

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