
SUBJECT: EXTERIOR CLADDING TO PREMIER SIPS WALLS

Premier SIPS are used in both commercial and residential applications. Throughout the years, Premier has had nearly every type of exterior cladding applied to the face of its SIPs. This bulletin is a review of common claddings that are available and their attachment to Premier SIPS. Premier SIPS do not incorporate framing members and therefore, require cladding materials that are approved to be installed over 7/16" Structural OSB Sheathing.

A review of the requirements for attachment of the siding material typically calls out for the cladding to be attached with 8d nails 16" or 24" on center depending on the framing spacing. Using these values, one can compare the pullout values for 8d nails into standard framing with the fastener pullout values listed in Premier's Technical Bulletins regarding Screw & Nail Withdrawal Capabilities of OSB. This comparison shows that all claddings, with the requirements of fastening to framing members, can be matched by applying 8d ring shank nails 12" o.c. into Premier SIPS. This would include the attachment of standard sidings such as vinyl, Hardie® Board, cedar, redwood, board metal, composites and fiber cement sidings.

This type of comparison is also valid for the application of lath for stucco as well as brick tie placement. Typically, these products are attached to SIPs by simply increasing the number of fasteners by 25%. When a manufacturer calls out for fasteners 16" o.c. the fasteners would be placed in a SIP panel at a spacing of 12" o.c. This will allow the panel application to meet or exceed the pull-out values required by the siding manufacturer. It should be noted that the fastener placement can be maintained at the siding manufacturer's recommendations provided a nail/staple is replaced with a screw. In all cases the fastener should be corrosion resistant.

FIBER CEMENT BOARD SIDING MANUFACTURERS & SIPS

James Hardie, Allura and Nichiha are the leading manufactures of fiber cement board siding supplied throughout the US and Canada. Each of these companies has examined the use of their products when applied over Premier SIPS. All three of these companies have provided notice that their products, when applied directly over the 7/16" OSB facing of SIPs are acceptable by following their recommended attachment patterns and approved fasteners.

James Hardie, Allura and Nichiha sidings are recommended as premium fiber cement board siding products compatible with Premier SIPS. Information on the attachment requirement for each of these companies can be found at:

James Hardie
www.jameshardie.com
ICC-ES Evaluation Reports
ESR-2290 and ESR-1844

Allura
www.allurausa.com
ICC-ES Evaluation Report ESR-1668

Nichiha
www.nichiha.com
Intertek CCRR-0258

SIPS & ENGINEERED WOOD LAP SIDING FROM LOUISIANA PACIFIC

Louisiana-Pacific, a leader in the manufacture of Engineered Wood lap siding, has examined the use of their Smartside Precision Treated Engineered Wood lap siding with SIPs. Louisiana-Pacific worked with APA who authored the APA Product Report ([PR-N124 Available Here](#)). Louisiana-Pacific has served notice that their products applied directly over Premier SIPS are acceptable when following their recommended fastening patterns. Louisiana-Pacific siding is recommended as a premium Engineered-Wood lap siding product compatible with Premier SIPS.

Information regarding the attachment requirements for Louisiana-Pacific's Engineered Wood lap siding can be found in the PR-N124 APA Product Report linked above. Tables 4a and 4b list specific SIP attachment recommendations, and these tables are attached to this bulletin.

For further information on Louisiana-Pacific siding products, please visit www.lpsmartside.com, Engineered Wood Lap Siding from Louisiana-Pacific.