

Installation of PAC-CLAD HT Products Over Oriented Strand Board (OSB) Sheathing

This Technical Bulletin provides guidance for best practices for achieving successful adhesion of PAC-CLAD HT products to oriented strand board, which is commonly used as a structural roof sheathing in steep-slope roof applications. Typically there is a smooth side and a textured side to the OSB. PAC-CLAD HT products should be applied directly to the textured side of OSB sheathing for best adhesion.

PAC-CLAD HT Products can be installed directly to OSB; however, adhesion can be a challenge in some cases due to variability in the OSB and site conditions (e.g. high winds). Prior to underlayment application, Petersen recommends the applicator perform a field adhesion test to determine if a primer or mechanical fastening is needed.

CONTACT ADHESIVE/PRIMER APPLICATIONS:

Petersen recommends the use of Carlisle Contact Adhesive/Primers in applications where adhesion is marginally acceptable. The application of Carlisle 702WB, CCW 702, or CCW 702LV at a coverage rate of 350-500 ft²/gal over the roof decking is acceptable. CCW CAV-GRIP® is a low-VOC aerosol contact adhesive, which can be applied at a coverage rate of 50-55 ft² per pound of adhesive or 1,500-1,650 ft² per cylinder. Caution: uncured adhesives/primers may be slippery, so use proper safety procedures.

MECHANICAL FASTENING:

As an alternative to contact adhesive/primers, PAC-CLAD HT products can be mechanically fastened at the perimeter of the deck 12 inches on-center with roofing cap nails or roofing nails. In excessively windy conditions, nailing in the field of the membrane may be required. The use of staples in lieu of roofing nails is not approved by Petersen.