

Installation of WIP® Products over Oriented Strand Board (OSB) Sheathing

This Technical Bulletin provides guidance for best practices in achieving successful adhesion of WIP products to oriented strand board which is commonly used as a structural roof sheathing in steep-slope roof applications. There is typically a smooth side and a textured side to the OSB. Carlisle WIP Products should be applied directly to the textured side of OSB sheathing for best adhesion.

Carlisle WIP Products are self-adhering roofing underlayments which include WIP GRIP, WIP 100, WIP 100SG, WIP 250HT, WIP 300HT, and WIP 401LT.

Carlisle WIP 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, Carlisle recommends the applicator perform a field adhesion test to determine if a primer or mechanical fastening is needed.

Contact Adhesive/Primer Applications:

Carlisle recommends the use of CCW Contact Adhesive/Primers in applications where adhesion is marginally acceptable. The application of CCW 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, CCW WIP 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 Carlisle.