



ENSOLCOMP INSTALLATION GUIDE

STEP 1- DECK REQUIREMENTS

The deck must be either 15/32" plywood or 7/16" O.S.B. minimum conforming to all local building codes. ALL wood sheathing must be 3/4" inch minimum thickness, 6" inches minimum in width, and have a maximum spacing of 1/4." Installing 3/8" inch plywood or O.S.B. over top of the existing plank deck is recommended but not required for the installation of the ENSOLCOMP thermal ventilated board system.

STEP 2- ICE AND WATER SHIELD

Install Ice and water shields as per the manufacturer's specification to all eaves and valleys. Check local codes for installation at protrusions and abutments.

STEP 3- VAPOR BARRIER

Install synthetic underlayment that meets ASTM D8257, per the manufacturer's specifications, in a waterproofing fashion to the entire deck surface; using a 9" inch cut piece of Ice and water shield is recommended at all hips, ridges, and valleys not to break/cut the vapor barrier while installing the ENSOLCOMP thermal ventilated boards. Double flashings are required for all pipes and vents to maintain the warranty.

STEP 4- ENSOL-N-TAKE VENT

Install ENSOL-N-TAKE vent to all eaves and fasten it into rafters with a minimum of 4" inch fastener for all slopes of 4/12 pitch or greater. For slopes less than 4/12 pitch, use the ENSOL-N-TAKE eave venting system and mechanically fasten to rafters with a minimum 4" inch fastener.

STEP 5- ENSOLCOMP THERMAL VENTILATED BOARDS

Install the ENSOLCOMP thermal ventilated board vertically, lining up the air channels from eave to hip or ridge. The ENSOLCOMP thermal ventilated boards must be installed using a staggered pattern, using the thermal half board. Mechanically fasten ENSOLCOMP thermal ventilated boards with an EIFS 1 3/4"-2" inch plastic washer and a minimum 3 1/2" inch roofing nail or equal (Shorter nails are acceptable only at open eaves or open ceilings) using six (6) fasteners per entire board (19" inches by 48" inches) in each corner 3" inches from side and end and mid-span 3" inches from the side of the board. Use four (4) fasteners per half board (19" inches by 24" inches) 3" inches from the side of the board. Leave a 2" inch gap in the ENSOLCOMP thermal ventilated boards at all hips, ridges, valleys, and roof-to-wall abutments for proper airflow.

STEP 6- DRIP EDGE

Install metal edging, 3" inch minimum, to all eaves and mechanically fasten to ENSOL-N-TAKE vent as per local codes and practices

STEP 7- 2-LAYERS 30# FELT MEMBRANE

Install 2-layer 30# felt that meets ASTM D226 in a waterproofing fashion, leaving a 2" inch gap at all hips, ridges, and roof-to-wall abutments for proper airflow. Fasten 30# Lbs. felt using EIFS 2" inch plastic washers and, e.g., roofing nails as per local building codes and practices.

STEP 8- ASPHALT SHINGLE SYSTEM

Install asphalt shingle system that meets ASTM D3462 (nail strip recommended), above ENSOLCOMP, using 3.5" inches, E.G., roofing nails.

STEP 9- HIP AND RIDGE AND ROOF-TO-WALL ABUTMENT VENTING

Install a 10" inch hip and ridge vent system with a minimum 18 sq. inch per linear foot system as per manufacturer's specification allowing for an additional 2" inch of the ENSOLCOMP thermal ventilated board. Install a roof-to-wall venting system with a minimum of 9 sq. inches

per linear foot per manufacturer's specifications allowing for the additional 2" inches of the ENSOLCOMP thermal ventilated board.

STEP 10- RE-ROOF COUNTER FLASHING ON ABUTMENTS

Counter flashings may be required to be raised 2" inches to allow for the ENSOLCOMP thermal ventilated board, or an additional counter flashing may be added for waterproofing. Check local codes and practices.