



SECTION 07312 – PVC THATCH SHINGLE ROOFING SYSTEM

PART 3- EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
 - 1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
 - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored; and that provision has been made for flashings and self-adhering membrane.
 - 3. Submit written report to the Contractor signed by Installer, listing conditions detrimental to performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 UNDERLAYMENT INSTALLATION

- A. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free, on roof deck. Comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install at locations indicated below and on Drawings, lapped in direction to shed water. Lap sides not less than 3-1/2 inches (89mm) Lap ends not less than 6-inches (152mm) staggered 24-inches (610mm) between courses.
 - 1. Hips: Extend bottom corner inches on each side 3-inches (76mm)

3.03 FLASHING INSTALLATION

- A. General: Install metal flashings and other sheet metal to comply with requirements in Section 07600-SHEET METAL FLASHING.
 - 1. Eave Drip Edges: Install eave drip edge flashings below underlayment and fasten to roof sheathing.

3.04 PVC THATCH SHINGLE INSTALLATION

- A. Install Endureed® Bali PVC Thatch Shingles according to manufacturer's written instructions.
 - 1. First Course: Install 2-inch pre-bent thatch eave shingle 2-inches (51mm) from eave edge.
 - 2. Second Course: Install 5-inch thatch pre-bent eave shingle 5-inches (127mm) from eave edge.
 - 3. Install the remaining courses of thatch shingles with field shingle, stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure of 8-inches. (203mm)
 - 4. Using pre-shaped hip shingles at hips, install shingle spaced evenly to allow for two hip courses to one field course.
 - 5. Fasten PVC thatch shingle with a minimum of four roofing nails through pre-punched holes in binder strip, according to manufacturer's written instructions.
 - 6. For shingle application at hips, when pre-punched holes may not be available, nail holes may be drilled through the binder strips, or stapled with pneumatic narrow crown stainless steel staples.