



## CeDUR Synthetic Roofing Products Installation Tips

- Only experienced professionals who follow proper safety and workmanship practices should implement the information contained herein.
- The contents of this manual are not intended to supersede local jurisdiction requirements or building code. Check with local building code official for local jurisdiction requirements.
- Different climates have different code requirements. Ensure the right products and installation methods are used per the building code official in your area.
- CeDUR shakes will, by design, shift color upon exposure to the sun. This color change takes place gradually and then stabilizes at a weathered wood color for the life of the product.
- Occupational Safety and Hazard Administration (OSHA) prescribed safety standards are to be followed during product loading and installation, as well as and any subsequent roof traffic.
- A 10" (254 mm) weather exposure for straight line installations is standard, and has been used for all calculations, testing and certifications, and the basis for the product warranty. When 1" staggered installation is used, shakes exposure is laid at 9" (229 mm) exposure and random shakes are at 10" (254 mm) exposure or 1" (25.4 +/-) stagger. The maximum recommended stagger is 2 inches (8" exposure). More material is needed when staggered installation is used.
- CeDUR Starter Shakes are to be installed at all eave-lines. Butts of the starter shakes and first course of CeDUR shakes are to project equally beyond the finished fascia as determined by conditions to insure proper water drainage. Typical installation is a 3/4" - 1" inch (25.4 mm) overhang. Where gutters are present, the overhang may be adjusted to insure proper water flow into the gutters.
- When installed with a standard 10" weather exposure and a 3/8" keyway, 168 field pieces or 8 bundles will cover 1 roofing square (SQ).
- To assure proper horizontal alignment we recommend that chalk lines be snapped frequently. Chalk lines should be snapped on the underlayment with the tips of the shakes following the lines. Do not snap chalk lines on the CeDUR shakes or use red chalk as the red chalk may permanently discolor the shakes.
- When tabbing down or making repairs the recommended silicone is GE Clear Silicone II silicone adhesive/caulk, or Rainbuster 12000 Clear silicone adhesive.
- Windows, caps, and all other projections at points where rainwater accumulates are to be protected with metal flashing. Metal flashing is to be extended up under the shakes at the sidewalls and behind outside finish materials for a distance of at least 5".
- Ring shank roofing nails hot dipped galvanized 1 3/4" in. in length, 11-gauge 5/16" head are the recommended fastener.
- Fasteners shall be of sufficient length to fully penetrate a minimum of 3/4" into and/or through the decking.
- Fastener placement marks are located on CeDUR shakes with a dimple mark.



- Two (2) fasteners per 5 1/4" CeDUR shake and 7 1/4" CeDUR shake, and three (3) fasteners per 12 1/4" CeDUR shake.
- Do not drive nail heads or staple crowns below the CeDUR product. Overdriving or underdriving the fasteners can seriously damage the integrity of the roofing system.
- Fasteners are to be concealed by the subsequent overlapping shake.
- Fasten a minimum 1" from shakes edge and place in the fastening zone 1" above the butt line of the course to follow.
- Non-compliance to these fastening requirements may void the warranty.
- Never interlay shingles with felt.
- No special underlayment is required for a Class A Fire Rating.
- Underlayment must be a minimum of one layer of Type II (No. 30) asphalt-saturated felt complying with ASTM D226.
- Interlayment, when required, must be one layer of minimum 18-inch-wide (457 mm) Type II (No. 30) asphalt-saturated felt complying with ASTM D226.
- No felt should be visible between the side joints of the shakes (keyway).
- The minimum standard keyway is 1/4" and the maximum standard keyway is 3/8".
- Keyways must not be aligned and must be a minimum 1 1/2" in. offset from the course above. Off-set joints between courses a minimum of 1 1/2".
- CeDUR shakes must be installed on solid sheathing consisting of minimum 15/32 inch (11.9 mm) exterior-grade plywood sheathing 7/16 inch thick (11.1 mm) oriented strand board (OSB) or nominally 1-inch-thick (25.4 mm) lumber complying with the applicable code.
- Flashing must be a minimum No. 26 gage [0.019 inch (0.483 mm)] corrosive-resistant sheet metal.
- Minimum and maximum shake exposure: 8 inches (203 mm) and 10 inches (254 mm).
- Maximum exposure for shake rows is 10", measured butt to butt.
- 18" shake liner (interlace) between shake rows for slopes 4:12 – 6:12.
- Slopes steeper than 6:12 do not require shake liner.
- Ice and water shield where required by code.
- Staggered butt applications are made by shortening the exposure less than the greater maximum exposure. No shakes shall be applied greater than the maximum exposure allowed. Check with local building codes for approval of this installation method.
- CeDUR shakes require no sealing or treatment to due edges due to their closed cell structure which permits no significant water absorption.
- CeDUR shakes should be stored at temperatures above 40 degrees Fahrenheit and pallets should not be stacked more than two pallets high. CeDUR shakes can be installed in temperatures as low as 20 degrees Fahrenheit.

**To obtain product warranty, the Completion of Work Form is to be submitted to [info@cedur.com](mailto:info@cedur.com) within 90 days of job completion.**