

# CastleRock™ InsulStone

## Installation Instructions

### I). Interface with Other Work:

Coordinate with installation of substrate required for installation. If Electrical, Plumbing and other Mechanical penetrations are installed after the exterior siding panels are installed, provisions for watertight sealing of all penetrations must be addressed.

### II) General: Install in accordance with local building codes. In the absence of local building codes, install in accordance with the requirements of the IRC/IBC and the manufacturers installation instructions. Use a qualified installer.

### III). Flashings:

Install flashings in accordance with the window and roofing manufacturer's installation instructions, or in the absence of these instructions, install per section 703.8 of the 2009 International Residential Code (IRC) at the following locations:

- a). Top of all doors and windows,
- b). Projecting lips or conversion to masonry or other sheathing, or an areas that may allow water to enter.
- c). At the base of a wall to prevent wicking into the plate or substrate.

### VI). Weather Protective Barrier:

A weather protective barrier (60 minute paper or approved equivalent) is required by the manufacturer to be installed behind the siding as a protective water barrier. Check with your local building official for weather protective barrier requirements in your area.

### V). Installation of Interlocking Insulated Brick or Stone Panels:

#### a. Install the weather protective barrier.

**b. Prior to installation** of the starter section, determine its location in regard to windows and other opening to align with the stone height. Stone may be trimmed to fit at openings, but preplanning can save work and effort. Allow for the drip cap/sill to be located under the openings such as windows. Be sure to seal water tight any areas that may allow water penetration into the wall.

**c. Install the Starter Section** (Part# 001-000) – Install the starter section at the bottom of area where the panels are to be installed a minimum of 6" above grade. Attach the starter section with 1 ½" corrosion resistant roofing nails to the sheathing every 6 inches on center. Starter section must be level and straight. Use of a transit or laser level is recommended.

**d. Fastener Attachment Pattern:** Secure the panels to the wall using the specified fasteners. 1inch crown x 2 inch long corrosion resistant staples a minimum of every 3 inches on the tongue flange of the panel or equivalent.

#### e. Panel placement

The tongue flange must always be placed upward to prevent water intrusion into the wall. The panels are designed to be installed from bottom up and left and install to the right. Inspect each panel for flaws or damage prior to attaching to the wall. Use a level to ensure each row is straight and level before attaching to the wall or proceeding to the next row.

#### f. Corners or ends

Each row usually begins and ends at a corner or an end panel. Doors and windows require end panels or a protruding flange typically of wood or metal protruding 3 ½" outward from the wall to terminate a row. Inside corners are simply cut to fit and dead ended into the wall or adjoining panel. Panels may be miter cut for inside corners if desired. Install the outside corners and end panels for each row prior to the horizontal row of siding panels. The last panel may be trimmed to fit. Use silicone to seal it to the adjacent panel.

**g. Flashing around Siding, Windows, Doors and Protrusions:** Prior to installing panels around windows, doors and protrusions install flashings in accordance with local building codes.

**h. Windows Sill** –Allow the correct space between the bottom of the window protrusion and the panel for the sill. Install flashing and seal around doors and windows to prevent water intrusion into the wall. Consult your local building official for requirements in your area.

**i. Header above doors and windows**– Install flashing above the window. Install a section of the starter strip in line with the top of the first course above the top of the window. This may create a void between the top of the window and the first row of stone siding above the window. If so, measure gap between top of the window and the bottom of the standard course above a window or door. Trim the color matched coated foam header (or filler) (part# 1005) to fill the void. Attach with styrofoam foam compatible adhesive and screws or finish nails and seal around the window to prevent water intrusion.

**Note:** Windows are usually designed with "weep" holes in the bottom flange. Do not block these openings when caulking and sealing around windows. Always drain water away from the wall. Do not allow water to drain into the wall.

**j. Soffits:** Continue to the soffit and trim the last row to fit and/or Install a wood, metal, or plastic trim fascia at the soffit to finish.

**k. Clean area** of trash and materials and touch-up chips or other damage. Inspect all locations for possible water leaks.

For additional information regarding installation, repair & maintenance, see our website:

[www.InsulStone.com](http://www.InsulStone.com)

Corporate Office: InsulStone, Inc.  
P.O. Box 1258 Fax:208-639-642  
Meridian, ID 83642

Ph.: 208-895-8557  
Fax: 208-639-6422  
e-mail: [castlerockcorp@yahoo.com](mailto:castlerockcorp@yahoo.com)

**Illustrations on next page**

