

## **Beginning the Installation - Drystack vs Grouted**

All installations begin at the corner or edge of a wall. Corner stones should always be installed first. Grouted stone installations can begin at either the top or bottom of the wall. Drystack stone installations always begin at the bottom of the wall.

## **Installing Irregular Shaped Stones**

When installing Irregular Shaped stones, the larger stones should be installed first. After several larger stones have been installed, cut and shape smaller stones to fill any gaps that remain.

## **Achieving the Proper Grout Joint Width**

When installing grouted stones, be aware that most profiles taper towards the face of the stone. Due to this taper, shallow or full joints will appear much wider than a deep raked joint. Joint size and depth should be determined before the installation. If you are trying to achieve a tighter shallow or full joint, stones may need to be installed closer together during the installation process.

## **Proper Vertical and Horizontal Joints**

To achieve the best overall look for your project, vertical joints should be limited to 3 stones in height and spaced a minimum of 2" apart. We recommend keeping horizontal joints less than 6 to 8 feet in length.

## **Colored Mortar and Grout Joints**

Projects are enhanced when mortar and/or grout joints are tinted to compliment the stone veneer color. For drystack applications, using a complimentary colored adhering mortar will help you achieve a better looking installation. Grout joints that complement the stone color can also have a drastic impact on the projects final overall appearance. Iron oxide mortar colors are available for purchase from most building material suppliers.

## **Specialty Stone Profile Installations**

Our specialty profiles, which include, Classic Series, WoodStone, Industrial Ledge, Freedom Stone and The Wave are installed differently than Standard Coronado Stone Veneer Products. Product specific Installation Guides can be found under the "Resources" tab on our website.

## **When is Polymer-Modified Mortar or Thin Set required**

Polymer-Modified Mortar or Thin Set should be utilized for the installation of specific products including: Classic Series, WoodStone, Industrial Ledge and larger format standard stone profiles like English Rubble and Santa Barbara. We also require the use of polymer-modified mortar or thin set for any freeze-thaw applications and, also, any drystack applications. We recommend using a polymer-modified mortar for installations directly over CMU or Concrete without the use of lath.

## **Bonding Test**

A bonding test is recommended for stone that is being applied over a questionable surface (concrete, tilt-up, CMU, etc.). Install a small portion of stone, then let it cure for a minimum of 48 hours. Using a hammer or mallet, try to remove the stone from the wall. If the stone is easily removed, the installation surface may need to be sandblasted and/or lathed before installation. A polymer-modified mortar or thin set may also be used to strengthen the bond.

## **Keeping Lath Tight**

Start at the center of each sheet, anchoring galvanized fasteners into the studs spaced a maximum of 6 inches apart. Keep the lath flat and tight as you work your way from the center of the lath to the outer edges.

## **Integral Batch Color**

A light to mid-tone batch color is blended throughout the entire product. Color overtones are applied and integrated into the product during the casting process. Keep in mind, that since every stone is handmade, colors may vary slightly from a sample board.

## **Fireplace Facings or Behind Freestanding Stoves**

Our products have been tested and are classified as a non-combustible material. Test results revealed zero flame spread and no smoke. Please refer to the manufacturer's installation instructions as well as local building codes.

## **Detailed Product Information**

Product Specification Sheets are available for every stone veneer profile we produce. Each one of these informational sheets provides Special Installation Notes, Sizing, Thickness, Weight and Packaging Info for the product you have selected. Product Specification Sheets can be found under the "Resources" tab on our website.

## **What is Coronado Stone?**

Coronado Stone's products are cast in molds created from hand-selected natural stone, using a process which captures its beauty and texture. Each product uses a unique blend of cement, aggregates and iron oxide pigments to create the veneer. Upon inspection, our manufactured stones closely resemble their natural stone counterparts.

## **Architectural Resources**

Coronado Stone supports the architectural specification and design process by supplying a variety of online tools that help make your vision become a reality. Cross-Section Details, Hatch Patterns, Seamless Textures and Technical Data can be found under the "Resources" tab on our website.