**PRODUCT DESCRIPTION**
EP Henry's Cast Veneer Stone is designed to provide a non-structural, lightweight veneer facing for both interior and exterior applications.

The product provides a quality architectural finish with all the colors, textures, sizes and shapes of quarried natural stone.

**PRODUCT PACKAGING**
All Cast Veneer Stone by EP Henry products are packaged with an anti-scutching material between each layer of stone. This protects the product during packaging and shipping and protects against scuffing common with other veneer stone product lines.

Each crate of EP Henry Cast Veneer Stone flats yields 100 sf
Each EP Small Pak of EP Henry Cast Veneer Stone flats yields 12 sf
Each crate of EP Henry Cast Veneer Stone corners yields 75 sf
Each EP Small Pak of EP Henry Cast Veneer Stone corners yields 8 sf
EZ Kit Flats are packaged 5.625 sf per EP Small Pak/12 EP Small Paks per Crate
EZ Kit Corners are packaged 3 If per EP Small Pak/12 EP Small Paks per Crate
CV Brick Flats are packaged 8 sf per EP Small Pak/32 EP Small Paks per Crate
CV Brick Corners are packaged 5.8 If per EP Small Pak/32 EP Small Paks per Crate

**FITTINGS**
All fittings are packaged in EP Small Paks as follows:
Keystones 18 pieces
Electrical Fittings 20 pieces
Trimstones 24 pieces
Silts/Water Tables 10 pieces
Quoins 6 pieces
Hearthstones 4 pieces
Unit weight per SF: Maximum 15 psf (pounds per square foot)

**PRODUCT WARRANTY**
EP Henry provides a 50 year warranty to the original purchaser for Cast Veneer Stone when installed in accordance with the manufacturer’s installation specifications. The warranty applies to Cast Veneer Stone units only and does not cover installation labor or damages resulting from improper installation or misuse of product.

**PRODUCT GENERAL INFORMATION**
Cast Veneer Stone should be applied only to structurally sound surfaces.

Cast Veneer Stone should not be used on exterior horizontal surfaces or as wall caps. Water collection on the units combined with freeze-thaw conditions can result in surface damage.

**PRODUCT APPLICATIONS:**
- New construction: interior or exterior walls
- Retrofitting of existing interior and exterior walls
- Fireplaces, hearths and surrounds
- Chimneys
- Exterior Hardscaping masonry applications such as kitchens, built-in grills, columns and seat wall applications

**SCRATCH COAT**
An even, 1/2” thick coat of Type S mortar is applied to self-furring metal lath or clean masonry surface to help insure proper bonding of Cast Veneer Stone. The scratch coat should be allowed to set-up for 48 hours before installing the Cast Veneer Stone. If possible, after applying the scratch coat cover it with plastic to slow the curing process and reduce cracking which weakens the bond strength.

When using the dry stack method one should consider adding pigment to the scratch mortar mix that matches a darker color of the Cast Veneer Stone. That will prevent the gray scratch coat from being seen in any gaps between the stones and improve the look of the finished job.

**STARTING THE INSTALLATION**
Lay out a quantity of Cast Veneer Stone prior to installing. Make sure to select stones from as many boxes as possible to achieve the best possible mix of shapes, sizes, colors and textures. Continue this practice throughout the installation. Begin installing the stone from the top down. Start installing the corner units first. The corners have a long and short return which should be alternated in opposite directions as you go down the wall corner.

Try to maintain a uniform joint width (1/2") around the stones. Avoid long, unbroken joint lines. The stones can be trimmed using a brick hammer, nippers or the side of a mason’s towel. Stones can be cut more precisely with a hand held grinder or saw using a diamond or carbide cut blade. Be sure to place the cut edges in unobtrusive places and touch up the cut with mortar when finishing the joints.

**SETTING THE STONES**
Apply an even layer of Type S mortar approximately 1/2” thick, to the outside back of the stone leaving no area on the back of the stone exposed. Press the stone firmly into place on the wall surface. Press hard enough to squeeze the mortar out around the edges. If needed, strike off the excess mortar with a mason’s towel. To insure a good bond, gently wiggle the stone while pressing it in place. If any mortar gets on the stone face, DO NOT try to wipe it off. Allow the mortar to set and dry, then use a coarse brush to remove it. If working in hot, dry weather it may be necessary to wet the scratch coat and stone to prevent the mortar from drying too quickly and losing bond strength. The surface and back of the stone can be dampened with a hose but do not wet to excess. If too much water is applied and runoff occurs, allow a few minutes for the surface to dry before proceeding with the installation. It possible cover the scratch coat with plastic to slow the curing process and reduce cracking which weakens the bond strength.

DO NOT ALLOW construction (ex. hanging drywall, insulation, etc.) on the opposite side of the Cast Veneer Stone wall to take place until the stones have bonded and the mortar has cured properly (minimum of 48 hours).

**Caution:** Dry sawing or grinding of concrete products may result in the release of respirable crystalline quartz. Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). The use of a NIOSH-Approved respirator, tight fitting goggles and hearing protection is recommended when sawing or grinding operations are in progress.
GROUTING AND FINISHING THE JOINTS
Once all of the Cast Veneer Stone has been installed on the wall surface, use a grout bag and fill the joints between the stones with mortar making sure to fill all voids. It is recommended that a Type S or N mortar be used. The grouting mortar can be colored if desired.

When the mortar joints have begun to set and become firm to the touch, use a jointing tool to pack the joints and rake out the excess mortar to the desired depth. Make sure that all the edges of the stones are thoroughly sealed with mortar by pressing the mortar into place.

DRYSTACK INSTALLATION
Dry stack installation follows the same guidelines as normal installation with a few key differences:

1. Install from the bottom up.
2. Stones should be wetted regardless of air temperatures, bearing in mind that work should not be conducted in temperatures below 40 degrees F. If the scratch coat is dry, wet the wall as you go.
3. Use a chalk line and a 4’ level to periodically level individual stones during installation.
4. As there will be no mortar joint strengthening the bond, it is important that ample mortar is applied to the back of each stone covering it 100% with enough mortar to ensure it squeezes out around the edges when pressed in place. Mortar should not be stiff to allow the joint to seal to the next stone. After setting stone, use a trowel to remove excess mortar and fill any voids along the stones’ edges.

CLEANING
It is always recommended that a test of the cleaning method be done in an inconspicuous location prior to proceeding with the overall cleaning. Cleaning materials and methods appropriate for other masonry surfaces may not be suitable for Cast Veneer Stone.

GENERAL MAINTENANCE
- To clean dirt or dust, use a garden hose and a soft bristle brush
- Mild detergents can be used but should be rinsed immediately
- DO NOT use a wire brush
- DO NOT use acid based products or a pressure washer to clean stone

EFFLORESCENCE REMOVAL
- Allow Cast Veneer Stone to dry completely
- Gently scrub with a nylon stiff bristle brush and rinse thoroughly with clean water

Note: As industry guidelines and building codes may change from time to time, for the most up-to-date standards, please visit www.masonryveneer.org