

VENEERSTONE™
Makers of Premium Manufactured Stone

STONE FOR THE AGES

EARTH REFLECTED™



MOUNTAIN STONE®
THE MARK OF EXCEPTIONAL VALUE

MISSION

We are committed to being our customers' and our employees' first choice while adding value to the company every day and positively impacting the communities in which we live.

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MOUNTAIN STONE®

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RESIDENTIAL

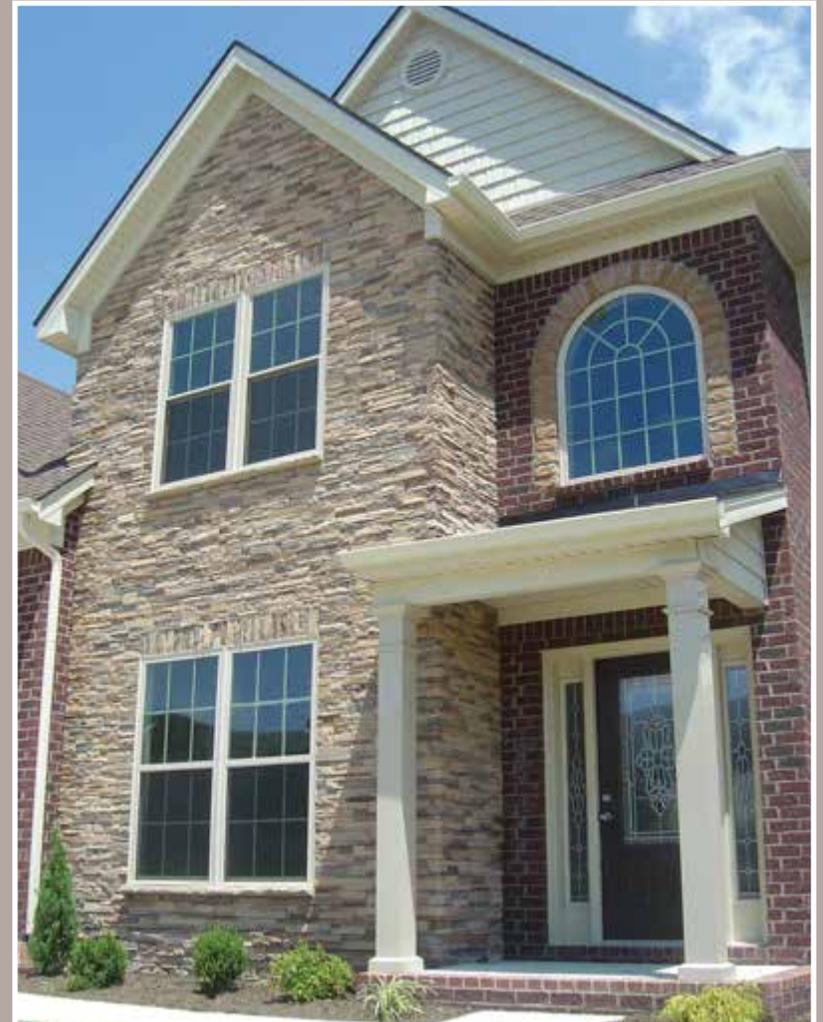
VENEERSTONE™ is a well-established, highly respected producer of quality manufactured stone and thin brick. We have a solid reputation for creating products that are virtual replicas of natural stone in texture, shape, color and the finest of detail.



Pacific Ledge - Pine Springs



Imperial Stack - Silver



Imperial Stack - Malbeck



Ledge Stone - Malbeck



Pacific Ledge - Crestone

www.veneerstone.biz





Imperial Stack - Silver



Ledge Stone and Fieldstone Blend - Custom Color

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COMMERCIAL

Our surfaces mimic their natural counterparts because of our unique manufacturing process and strict quality controls.



Custom Blend - Custom Color



Pacific Ledge - Custom Color

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Imperial Stack - Millsap



Austin Stone - Millsap Custom

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Imperial Stack - Creede Custom



Austin Stone - Buckeye



Austin Stone - Silver



Pacific Ledge - Pine Springs

VENEERSTONE™

STONE STYLES

The natural warmth and versatility of stone, coupled with your creative planning, can give your home or building the character and personality you desire. VENEERSTONE™ captures the beauty and durability of natural stone while offering you many key advantages.



Austin Stone - Buckeye



Austin Stone - Mineral County



Austin Stone - Silver



Austin Stone - Buckeye



Imperial Stack - Pine Springs



Imperial Stack - Malbeck



Imperial Stack - Silver



Imperial Stack - Graphite



Imperial Stack - Crestone



Imperial Stack - Mesa Grey

The product images featured here are as accurate as printing and photographic technology allows.

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Imperial Stack - Slate



Imperial Stack - Millsap



Fieldstone Blue - Creek



Shadow Ledge - Crestone



Shadow Ledge - Mineral County



Shadow Ledge - Walnut



Stack Stone - Blue Creek



Stack Stone - Texas Cream



Stack Stone - Mineral County



Stack Stone - Creede



Ledge Stone - Mineral County



Ledge Stone - Malbeck

The product images featured here are as accurate as printing and photographic technology allows.

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Pacific Ledge - Mineral County



Pacific Ledge - Pine Springs



Pacific Ledge - Blue Creek



Pacific Ledge - Crestone



Pacific Ledge - Redwood



Pacific Ledge - Creede



Montana Cut - Linen



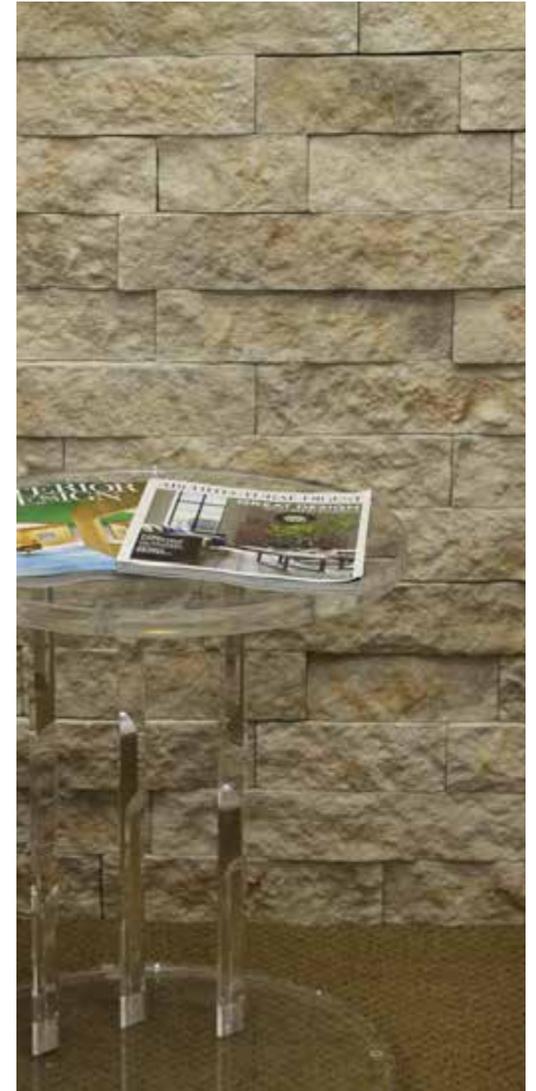
Montana Cut - Tahoe



Montana Cut - Oxford



Montana Cut - Beach



Montana Cut - Custom

The product images featured here are as accurate as printing and photographic technology allows.

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THIN BRICK



THIN BRICK. Create lasting beauty and elegance with our thin brick, available in a variety of sizes, styles and colors. Our thin brick allows you to create beautiful interiors & exteriors.

MODULAR BRICK. This profile provides plenty of character and appeal, which has made it our number one seller. The balanced texture and deep rich colors provide warmth and the sense of belonging. The “wire-cut” look allows for maximum versatility to create both classic and unique designs.

APPLICATION. Mortared, packaged assuming 1/2 mortar joint. Changing mortar application will change coverage.

PATTERN. Running Bond

KING THIN BRICK FLATS. 2.5” H x 9.5” L; average thickness of 3/4”

KING THIN BRICK CORNERS. 2.5” H; short return 2.75”, long return 7.75”;with an average thickness of 3/4”

ANTIQUE THIN BRICK FLATS. 2.25” H x 7.25” L; average thickness of 3/4”

ANTIQUE THIN BRICK CORNERS. 2.25” H; short return 3.5”, long return 7.25”;with an average thickness of 3/4”

MODULAR BRICK FLATS. 2.25” H; 7.38” L; average thickness of 1/2”

MODULAR BRICK CORNERS. 2.25” H; short return 2.75”, long return 7.63”;with an average thickness of 1/2”



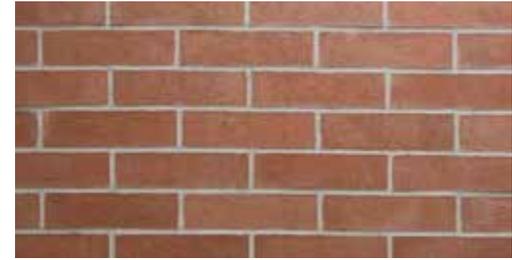
KING THIN BRICK



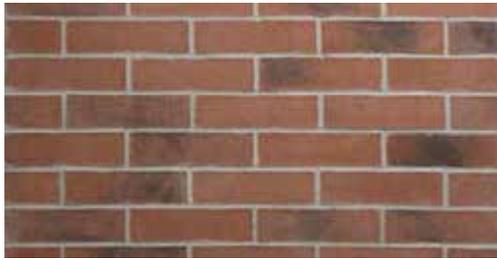
City Blend



Oaks Blend



Red



Red with Black

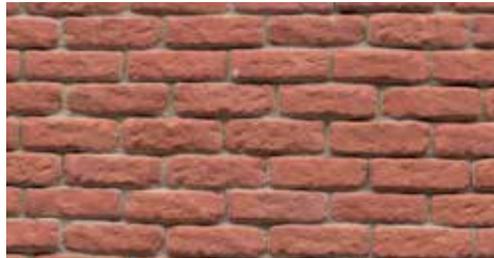


Winter Blend

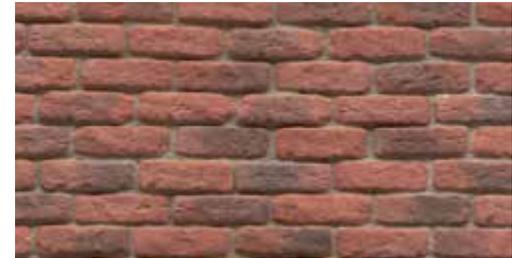
ANTIQUÉ THIN BRICK



Dallas



Red



Red with Black

MODULAR BRICK



Desert Vista



Ocotillo



Walnut

INTRODUCING THE SYSTEM

- CREATE ENDLESS POSSIBILITIES
- CHOOSE FROM NINE SIZE COMBINATIONS AND THREE STONE TEXTURES

A new and exciting custom concept, like no other, from Veneerstone™. Nine different stone sizes, with unlimited combinations, showcasing nature inspired textures, and all available in any color blend you can imagine. *Minimum 2,000 square feet.



12"x 24" SMOOTH TEXTURE



12"x 16" SMOOTH



12"x 12" SMOOTH



SMOOTH TEXTURE



8"x 24" HONED TEXTURE



8"x 16" HONED



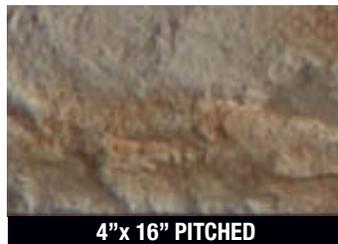
8"x 12" HONED



HONED TEXTURE



4"x 24" PITCHED TEXTURE



4"x 16" PITCHED



4"x 12" PITCHED



PITCHED TEXTURE



VENEERSTONE™ CUSTOM COLOR

Let Veneerstone™ give you custom color manufactured solutions. When designing your home or commercial space, every structure has unique design elements. Sometimes, a little customization is just what is needed to make the space truly your own. Mixing and matching a variety of different colors is the best way to suit your personal color palette. Submit a color swatch, the bark from a tree, a piece of fabric or a natural stone with amazing blended colors. Veneerstone™ will create a custom color stone in one of its many beautiful stone profiles.

Your creative choice in color combinations ensures the perfect unique blend for your project.

*Minimum 2000 square feet



INSTALLATION

STEP-BY-STEP EASY INSTALLATION INSTRUCTIONS

For the most up-to-date installation instructions, please visit our website www.veneerstone.biz



Install water resistive barriers.
(exterior applications)



Install corrosion resistant
metal lath.



Mix mortar.



Apply mortar for scratch coat.



Rake mortar to create scratch coat.
Allow to dry.



Apply mortar to the entire
back of the stone.



Install corner stones first.



Install flat stones.



Trim stones to fit.



Grout joints.



Strike joints.



Brush off excess mortar
with a dry brush.

NOTE: For specific installation guidelines as an industry standard please visit the MVMA Installation Guide and Detailing for ASTM C 1780 compliance.

Find this at: www.ncma-be.org or at: www.constructionspecifier.com
or at: <http://ncma.org/manufactured-stone-veneer/>

Tools Required

Hammer to apply felt paper and metal lath.

Wheel Barrow & Hoe or Bucket & Drill Paddle for mixing mortar.

Notched Float to apply scratch coat to metal lath.

Circular Saw with Masonry Blade for cutting stone.

Mason's Trowel to apply mortar to stone.

Grout Bag for grouting joints.

Jointing Tool to finish mortar joints.

Whisk Broom for cleaning joints and stone.

How Much Stone Do You Need?

Just follow these easy steps to determine how much stone you will need.

1. Measure the width and the height of the area to be covered and convert to square footage; width x height = total square footage.
2. Figure the square feet of any windows, doors and openings and subtract this amount from the first figure. (total square footage – windows, doors and openings).
3. Determine how many linear feet of corners you'll need. Measure the linear footage of the outside corner pieces. One linear foot of corners will cover about 1/2 square foot of flat area – ie, 20 linear feet of corners = 10 square feet of flat area. Subtract this flat area amount from the total square footage to determine how much total stone you will need. You should allow an extra 5 -10% more stone for cutting and trimming on both corners and flats.

Materials You Will Need

Mortar Components Use pre-mixed masonry mortar, or mix 1 part masonry cement (Type N or Type S) with 2 1/4 to 3 parts masonry sand.

Water Resistive Barrier For exterior applications, use two layers of Water Resistive Barrier. Use 15# felt (ASTM D 226), Grade D building paper (ICC-ES AC308), or house wrap and paper backed lath.

Metal Lath Use a minimum 2.5 pound corrosion resistant, expanded metal lath, or you may use 18 gauge galvanized woven wire mesh. For metal buildings, use a galvanized, rib expanded metal lath (minimum 3.4 pounds 3/8"). Check your local building codes for other accepted lath or mesh.

Fasteners Use corrosion resistant fasteners (staples, nails, or screws) that penetrate minimum 1" into wood framing or 3/8" into metal framing.

Masonry Sealer When required, use a breathable type (non-film forming) sealer.

Note: For every 100 sq. ft. of stone installed, you will need 2 to 3, 70 lb. bags masonry mortar (sand must be added at a ratio of 1 part masonry mortar to 3 parts sand) OR, 560-840 lbs. of pre-mixed masonry mortar (sand included in bag).

How To Prepare The Surface

Follow these guidelines in preparing different surfaces.

Rigid Backwall, Wallboard, Plywood, Paneling, Wall Sheathing Concrete or Fiber board.

For exterior applications, install water resistive barriers, overlapping the joints 2" horizontally shingle style and 6" vertically. Ensure that all penetrations (doors, windows) are properly flashed & sealed. Double wrap WRB at inside & outside corners a minimum of 16" – each side. Install lath, horizontally with cups up. Overlap lath 1" on horizontal & vertical seams. Lath must wrap corners to the next framing member and at framing member. Lath should be fastened every 6" vertically on each stud.

Concrete, Masonry, Stucco, Block That Is Clean and Untreated. Ensure surface is sound and clean, free from release agents, paint, form oil, and sealers. Etch or score the surface to enhance mechanical bond. Surface applied bonding agents may be used.

Concrete, Masonry, Stucco, Brick That Is Dirty, Sealed or Painted. Return surface to original condition by sandblasting or waterblasting (wash area to remove sandblast dust). If unable to achieve a suitable bonding surface, attach lath with concrete nails or masonry anchors. Use a bonding agent.

Applying Stone

Surface Area Use a notched float to apply mortar 1/2" to 3/4" thick.

Joint Width If mortared application is specified, joints should be 1/2" to get the most natural look.

Setting Stones In Mortar Cover the entire back of the stone with mortar and press the stone firmly into the mortar bed to ensure a good bond. Press hard enough to squeeze out a little mortar around all the edges of the stone. Make sure you have complete coverage between the mortar bed and the surface of the stone.

Corner Pieces Corner pieces should be installed first. Alternate the long and short legs on the corner pieces in opposite directions.

Flat Pieces After the corner pieces are installed apply flat pieces starting at the outside working in toward the wall center.

Cutting and Trimming Use the rear of the brick hammer, edge of trowel, nippers or a circular saw with an abrasive blade to cut and shape stones. If necessary, broken stones can be trimmed and shaped to fill in any gaps. For the most attractive finished appearance, coat with mortar any cut or broken edges. Also, try to place cut edges up when they are above eye level and down when they are below eye level.

Level and Plumb Joint Lines Joint lines should be level and plumb. For a more natural look, place long, rectangular pieces of stone horizontally.

Mortarless Joint Applications In mortarless joint applications where no mortar joints are used, use a bonding agent and seal with a breathable (non-film-forming) sealer.

Grouting & Finishing Joints

Grouting Joints If more mortar is needed, fill in the joints with a mortar bag, taking care to avoid getting mortar on the stones' surface. Any accidental smears can be removed with a whisk broom after the mortar is crumbly. Never use a wet brush or wire brush.

Finishing Joints Proper jointing gives your project an appealing and professional finish. Before finishing, allow mortar joints to become firm (approximately 30-60 minutes), then point them up with a metal jointing tool. Weather conditions and the type of surface both influence drying time. Remove excess mortar then firmly compress and seal the edges around the stones. Brush stones and joints with a whisk broom to finish and clean the project.



ACCESSORIES AND ACCENTS



Hearthstones/Flat Wall
Coping Stones
19" L x 20" W
1.75" Thick



Keystones
10" L x 7.75" W to 4.75" W
2.5" Thick



Hearthstones



Headerstones
22.5" L x 8" W
2.5" Thick



Watertables / Window Sills
18" L x 3.5" W
2" Thick at Front Edge
2.5" Thick at Back Edge

PACKAGING

Flat Stones: Pallets are packaged 150 square feet per pallet. 10 square feet Handy Box packages are available for smaller quantities.

Corner Stones: Pallets are packaged with 100 linear feet per pallet. 10 linear feet Handy Box packages are available for smaller quantities.

Thin Brick Flat Stones: 30 square feet per box. Thin Brick Corner Stones: 15 linear feet per box.

All packaged quantities are figured with one-half inch mortar joint except for Stack stone, Ledge Stone, Imperial Stack Stone & Montana Cut Stone.

When installing stone, it has been determined that broken pieces can and should be used.

WARNING: Concrete veneer contains Crystalline Silica (quartz) and traces of other hazardous substances which are released as dust and can be inhaled when dry-cutting, drilling, or shaping the product. Crystalline Silica is a chemical known to the State of California to cause cancer, birth defects, and other reproductive harm. Use appropriate safety precautions.

Raw materials used in production may vary slightly. We recommend that you blend stones from different boxes throughout your installation area.

Variations are inherent in all manufactured stone and concrete products.

Questions regarding suitability and/or acceptability must be resolved before installation. Use constitutes acceptance.

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WARRANTY

LIMITED WARRANTY:

Veneerstone™ carries a 50-year limited warranty when used on structures that conform to all local building codes. Material must be installed according to manufacturer's instructions. Warranty is limited to replacement of defective materials only and does not cover labor to remove or replace stone. Warranty does not cover damage resulting from building settlement, wall movement, contact with chemicals or paint, discoloration due to airborne contaminants or stains caused by material applied to or allowed to come in contact with stone. Warranty is non-transferable and is limited to the original purchaser.

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REFERENCES

- A. ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
- B. ASTM C 67 - Standard Test Method for Sampling and Testing Brick and Structural Clay Tile.
- C. ASTM C 177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus.
- D. ASTM C 192 - Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory.
- E. ASTM C 482 - Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement.
- F. ASTM C 1670 - Standard Specification for Adhered Manufactured Stone Masonry Veneer Units.
- G. ASTM C 1780 - Standard Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer.
- H. UL 723 - Standard for Safety for Surface Burning Characteristics for Building Materials.
- I. ICC ES AC 51 Acceptance Criteria for Manufactured Stone Veneer.
- J. Masonry Veneer Manufacturers Association (MVMA); Installation Guide for Adhered Manufactured Stone Veneer.
- K. LEED: US Green Building Council's Leadership in Energy and Environmental Design Green Building Rating System.

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STONE FOR THE AGES



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www.mtstone.com



S U S T A I N A B I L I T Y

At LEE Building Products, Inc. we are proud to incorporate sustainable construction innovations and manufacturing practices into the products we make. We are committed to a cleaner, healthier planet and are doing our part by taking an environmentally responsible approach, which will help you construct greener projects for a more sustainable future.

VENEERSTONE® and Mountain Stone® are divisions of LEE BUILDING PRODUCTS® with headquarters in Bowling Green, Kentucky. LEE manufactures and markets a wide variety of concrete building products to a growing network of distributors and customers nationwide.



Find us on the internet by visiting:

WWW.LEEBP.COM

Mountain Stone® / Veneerstone®
4301 Industrial Drive
Bowling Green, KY 42104

PRODUCT CATEGORIES

Segmental retaining wall systems
Engineered wall systems
Architectural concrete block units
Permeable and standard pavers
Hardscape systems
Outdoor fireplaces & fire pits
Concrete and clay brick

NATIONALLY RECOGNIZED BRANDS

Rosetta Hardscape
Keystone Wall Systems
Anchor Wall Systems
Southern Tradition Hardscapes
MAXBRIC CMU's
StoneAge
Laticrete MVIS
Atlas / Concorde
Alliance
Magnum Stone

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