



EST 1970

SUNSET STONE

STONE VENEER CO.

ARCHITECTURAL RESOURCES

With Sunset, beauty is just the beginning.

Thank you for taking an interest in Sunset Stone. We're proud of our products, and we work hard to make them a fantastic value and the most natural-looking manufactured stone veneer available. But that's not enough. We know building and design professionals like yourself need more. In addition to inspiration, you need hard information and specs... in short, you need answers.

The Sunset Stone Architectural Resources are designed to give you a deep dive. We hope it answers your questions and makes it easy to specify our products. While this binder holds all the necessary information you should need for your next project, keep in mind that the Sunset Stone team is also a powerful tool at your disposal. If there's anything we can do to help, just let us know.

We truly hope you fall in love with Sunset.



Chris Kline

President

ckline@sunsetstone.net



Emily Bonilla

Vice President of Sales & Marketing

ebonilla@sunsetstone.net



SUNSETSTONE.CO

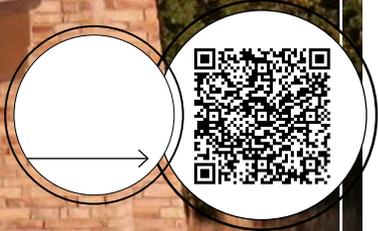


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SUNSET STONE
STONE VENEER CO.

Cheyenne Ledge



THE COMMERCIAL EDIT

Materials that work as hard as the job site.

Designed to meet the demands of commercial projects, our manufactured stone veneer brings warmth, texture, and enduring style to all spaces. From multifamily and mixed-use developments to retail, hospitality, and workplace environments, Sunset Stone helps create inviting, cohesive designs with lasting impact.

*Even a touch of Sunset
can make all the difference.*



Cheyenne Ledge

Buff Moss and Sienna Moss (Blend)



Ash Limestone



Glacier Dry Stack Ledge



Telluride Cobble



Winter Sky Limestone



Glacier Stacked Stone



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Glacier Dry Stack Ledge



THE RESIDENTIAL EDIT

Make a house feel more like a home.

Whether you're freshening up your existing home, dreaming up the possibilities of building from scratch, or developing the master plan for an entire development of homes, Sunset Stone can help. From bold to nuanced, Sunset Stone's broad offering of profiles and colors gives you the inspiration and the products to achieve your very own signature style.

Capture the magic of Sunset.

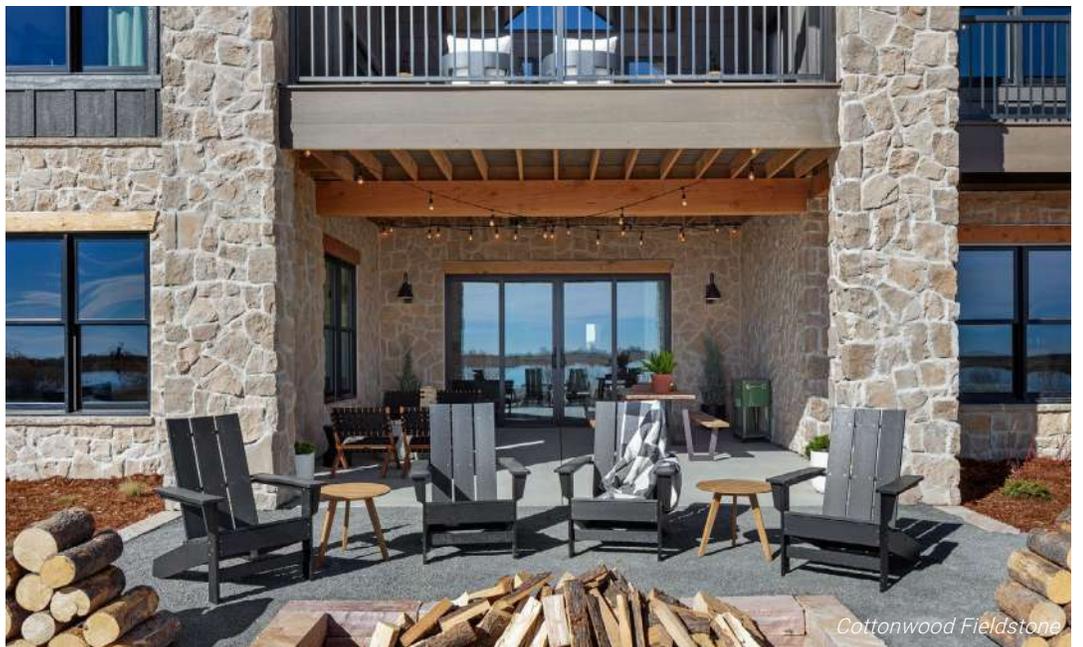
Del Norte Stacked Stone



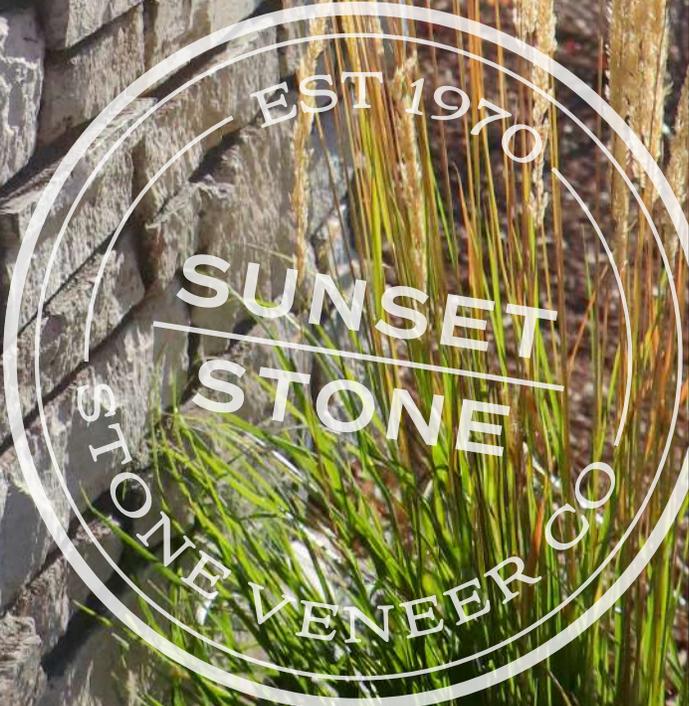
Winter Sky Limestone



Georgetown Fieldstone



Cottonwood Fieldstone





Approved
Continuing
Education



Accredited Learning Opportunities

Take advantage of our AIA-certified Lunch & Learn sessions. Our current course offering is from content provided by the CMHA. Participants can expect to learn:



Relevant ASTM
Standards for
Manufactured Stone
Veneer Installation



Installation Best
Practices for
Manufactured Stone
Veneer Products



Common Mistakes
and Why Installations
Commonly Fail

Request a Lunch & Learn

Whether you're looking to arrange a one-on-one session or a group event, drop us a line. Scan the QR code and fill out the form to request a virtual or in-person AIA-certified Lunch & Learn.



SUNSET STONE

BUILT TO CODE. DESIGNED TO LAST.



Sunset Stone is proud to support the work of architects, builders, masons, and contractors with certified, durable, and beautiful manufactured stone veneer. Our products are proudly certified to meet ASTM C1670 standards and recognized by the Concrete Masonry & Hardscapes Association (CMHA). Our plant is also ESR certified, ensuring every product meets strict industry and code-based requirements for strength, durability, and consistency.

WHY CERTIFICATION MATTERS

ASTM C1670 is the industry standard for Manufactured Stone Veneer (MSV). It verifies that the product meets key performance benchmarks like compressive strength and freeze/thaw durability. When you work with MSV products that meet ASTM C1670, you know you're working with material that's built to last.

CMHA Certification confirms that our people, practices, and products represent the best of the best. We take pride in crafting stone that performs under pressure and looks great doing it—rivaling the natural beauty of the Rockies.

ESR Certification assures that our plant operations meet evaluation standards, so the stone you specify and install is consistent, reliable, and code-compliant every time.

THE VALUE OF WORKING WITH SUNSET STONE

- ✓ **Consistency**
Every stone meets ASTM and CMHA standards, plant to project. You get a reliable product every time.
- ✓ **Quality**
Certified products backed by documented quality systems. Built with pride. Proven in the field.
- ✓ **Reliability**
All testing is done by third-party labs. What we promise is what we deliver.
- ✓ **Design Flexibility**
A wide portfolio of styles and colors means you never have to compromise between looks and performance.
- ✓ **Reputation & Trust**
Our certifications show we take your project seriously. You can specify with confidence, knowing you're choosing products backed by experience, rigor and care.





CONCRETE
**MASONRY &
HARDSCAPES**
ASSOCIATION

INSTALLATION GUIDE & DETAILING OPTIONS FOR COMPLIANCE WITH ASTM C1780

For Adhered Manufactured Stone Veneer 5th Edition, 6th Printing

This guide focuses on the installation of AMSV systems for backup assemblies addressed in the summary table. Other backup systems, such as structural insulated panels (SIPs), may require a specifically-designed system of installation for AMSVs. AMSV systems should not be installed over deteriorating or unsound backup assemblies or exterior insulation and finishing systems (EIFS).

The Concrete Masonry & Hardscapes Association (CMHA), is the premier trade association representing producers, suppliers, and contractors in the US and Canadian concrete masonry and hardscape industry. Formed through the unification of ICPI and NCMA, CMHA stands as the authoritative voice for segmental concrete products and systems, promoting them as the best value and preferred choice for resilient pavements, structures, and living spaces. As a member, we recommend these standards set by CMHA to ensure quality and durability for all masonry and hardscape projects.

INSTALLATION GUIDE CONTENTS

Definitions/Abbreviations

References

Design and Construction Considerations

Material Requirements

Surface Preparation

Installation of Adhered Manufactured Stone Veneer

Cautions

Drawings/Cross Sections





**CSI 3-PART SPEC
SECTION 04 73 00
MANUFACTURED STONE VENEER**

PART 1—GENERAL

1.1 SUMMARY

- A. Section Includes: Manufactured stone veneer, thin brick and architectural trim products.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-In-Place Concrete
- B. Section 04 20 00 - Masonry Units
- C. Section 04 71 00 - Thin Brick Masonry Veneer
- D. Section 05 40 00 - Cold-Formed Metal Framing
- E. Section 06 10 00 - Rough Carpentry
- F. Section 06 11 20 - Framing & Sheathing
- G. Section 07 62 00 - Sheet Metal Flashing & Trim
- H. Section 07 90 00 - Joint Protection

1.3 REFERENCES

- A. ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
- B. ASTM C 67 - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile
- C. ASTM C 177 - Standard Test Method for Steady-State Head Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus
- D. ASTM C 190 - Method of Test for Tensile Strength of Hydraulic Cement Mortars
- E. ASTM C 192 - Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
- F. ASTM C 482 - Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
- G. ASTM C 567 - Standard Test Method for Determining Density of Structural Lightweight Concrete
- H. ASTM C 1329 - Standard Specification for Portland Cement
- I. ASTM C 1670 - Standard Specification for Adhered Manufactured Stone Masonry Veneer Units
- J. ASTM C 1780 - Standard Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer
- K. ICC AC 38 Acceptance Criteria for Water-Resistive Barriers
- L. ICC ESR-2836 Sunset Stone LLC Evaluation Report



1.4 SUBMITTALS

- A. Submit following in accordance with Section 01300.
- B. Product Data: Manufacturer's specification and data sheets for each product used, including:
 - 1. Preparation instructions.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation guidelines.
 - 4. Cleaning and maintenance methods.
- C. Shop Drawings: Submit elevations and cross-section details showing proper installation methods.
- D. LEED Submittals: Provide documentation of how the requirements of credit will be met.
- E. Sample Selection
 - 1. Standard sample board with selected stone profile and color should be submitted for each product specification.
 - 2. Selection of approved grout colors and styles (if applicable).
- F. Sample Verification: A field panel sample with the minimum size of 3' x 3' should be installed for every product selection showing: styles, colors, textures and grout colors.
- G. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- H. Closeout Submittals: Provide manufacturer's warranty and maintenance recommendations.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Sunset Stone LLC.
- B. Installer Qualifications: Minimum 5 years experience with similar scope of work and must be able to furnish list of previous jobs and references if requested by Architect.
- C. Certifications: Products approved by ICC-ES Evaluation Service.
- D. Mock-Up: Provide field panel sample to evaluate preparation and application techniques.
- I. Pre-Installation Conference: Conduct a pre-installation meeting to verify all products, application methods, site conditions and warranty terms no less than thirty days prior to stone veneer installation.



1.6 DELIVERY, STORAGE & HANDLING

- A. Coordination of on-site delivery and storage should be arranged in advance to avoid work delays.
- B. Store and handle stone products in accordance with the manufacturer's recommendations.
- C. All material stored on-site should be protected from the elements before and during the installation process. Store material under cover and in a dry location.
- D. Store mortar, sealant and other installation material in compliance with the manufacturer's recommendations.

1.7 PROJECT CONDITIONS

- A. Maintain manufacturer's recommended environmental conditions to ensure optimum results.
- B. Cold Weather Requirements: Installations should be performed in temperatures exceeding 40 degrees Fahrenheit prior to, during and for 48 hours after completion of work. If temperatures are below 40 degrees Fahrenheit, masons should use heaters and tents during the installation process to regulate temperature.
- C. Hot Weather Requirements: If temperatures exceed 90 degrees Fahrenheit during the installation, additional moisture will need to be added to the backs of the stone veneer and scratch coated surface. Shade and/or frequent misting of the wall and stone may be required.

1.8 WARRANTY

- A. Provide manufacturer's 50-year limited warranty.



PART 2—PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturer Sunset Stone LLC, which is located at: 702 Prairie Hawk Drive, Castle Rock, CO, 80109; Phone: 303-791-1233; Email: Frontdesk@sunsetstone.net; Web: www.sunsetstone.net
- B. Substitutions: Not permitted.
- C. Authorized Distributors: _____

2.2 MATERIALS

- A. Manufactured Stone Veneer:
 - 1. Profile / Color: _____
- B. Manufactured Thin Brick:
 - Profile / Color: _____
- C. Stone Accessories:
 - Profile / Color: _____
- D. Manufactured Stone Veneer - Properties: Units consisting of Portland cement, lightweight aggregates and oxide pigments.
 - 1. Compressive Strength: Tested in accordance with ASTM C39 and ASTM C192, greater than 1800 psi.
 - 2. Shear Bond Test: Tested in accordance with ASTM C482, greater than 50 psi.
 - 3. Water Absorption: Tested in accordance with section 3.1.4 and 4.6 of ICC-ES AC51.
 - 4. Freeze / Thaw: Tested in accordance with ASTM C67, less than 3% mass loss.
 - 5. Unit Weight: Shipping weight is less than 15 lbs. per sq ft, density is determined in accordance with ASTM C567.



PART 3—EXECUTION

3.1 EXAMINATION

- A. Do not begin the installation process until substrates have been properly prepared.
- B. Notify architect of any unsatisfactory preparation of substrate before proceeding.
- C. Correct all unsatisfactory substrate conditions before installation begins.
- D. Verify roofs use proper water displacement methods to direct moisture away from the installed stone veneer.
- E. If substrate surface is questionable, bonding tests should be performed before installation to assess adhesion and confirm proper bonding strength.
- F. Flashing must be installed at wall penetrations and terminations of the stone veneer. Assure that all flashing and kickouts are corrosion resistant, integrated with the WRB properly (when used), and installed in accordance with the local building code requirements.

3.2 PREPARATION

- A. Clean all surfaces thoroughly prior to installation.
- B. Use manufacturer surface preparation recommendations to achieve best result.

3.3 INSTALLATION

- A. Product should be pulled from a variety of boxes and blended on site during installation to ensure a consistent overall project color on the wall.
- B. Install in accordance with manufacturer's installation instructions. Visit this page for detailed installation instructions - <https://www.sunsetstone.net/resources/>.
- C. Application details and mortar recommendations may vary depending on the stone style. Consult manufacturer for proper installation instructions.
- D. All dry-stacked and large format standard stones should be installed using a polymer-modified mortar meeting ANSI A118.4 or ANSI 118.15.
- E. All applications in freeze-thaw environments require a polymer-modified mortar.

3.4 CLEANING AND PROTECTION

- A. Installed manufactured stone veneer can be cleaned with a mild soap-and-water solution.
- B. Cleaning efflorescence can be done by lightly scrubbing the face of the stone with a soft bristle brush and water. In some cases, a 25% vinegar 75% water solution may need to be used. Do not use any harsh cleaning methods to remove efflorescence.
- C. Touch-up, repair or replace damaged stone before completion of project.
- D. Water repellents and enhancers can be used to further protect a finished project. Only breathable, penetrating water-based silane water repellents should be used.



RESOURCES



FREQUENTLY ASKED QUESTIONS

Manufactured Stone Veneer

What is manufactured stone veneer?

Manufactured stone veneer, also known as artificial or faux stone, is a man-made material designed to mimic the appearance of natural stone. It's typically made from concrete or a mixture of cement, aggregates, and pigments.

How does manufactured stone veneer differ from natural stone?

Manufactured stone veneer is lighter, more affordable, and easier to install than natural stone. It offers a wide range of design options and is often more consistent in color and texture.

What are the advantages of using manufactured stone veneer?

Manufactured stone veneer is cost-effective, durable, and versatile. It can be used for both interior and exterior applications, is available in various styles and colors, and requires minimal maintenance.

Can manufactured stone veneer be used for outdoor applications?

Yes, manufactured stone veneer is suitable for outdoor use. It's designed to withstand weather conditions and is commonly used for projects like exterior siding, fireplaces, and outdoor kitchens.

What is the typical lifespan of manufactured stone veneer?

When installed correctly and well-maintained, manufactured stone veneer can last for decades. Warranties from manufacturers often provide insight into expected longevity.

What is the average thickness of Sunset Stone's manufactured stone veneer?

1½" to 2" depending on the style and texture of the stone.

How much does Sunset Stone's manufactured stone veneer weigh?

The weight of Sunset Stone products is approximately 8 to 11 lbs. per square foot.



General FAQs

Is manufactured stone veneer environmentally friendly?

Manufactured stone veneer can be more eco-friendly than natural stone because it often uses less raw material and requires fewer resources for transportation. Check with the manufacturer for specific information on their environmental practices.

Can manufactured stone veneer be used with other building materials?

Yes, manufactured stone veneer can be combined with various building materials such as wood, brick, or stucco to create unique and attractive designs.

Where can I purchase manufactured stone veneer?

You can purchase manufactured stone veneer from building supply stores, stone yards, or directly from manufacturers. Consider comparing prices and product options before making a decision.

Can you use Sunset Stone for walkways or patios?

No. Sunset Stone products are not structurally designed for use on walkways, patios, driveways, etc.

Can Sunset Stone be used for water fountains and swimming pools?

No. Regardless of the manufacturer, the precast stone is not designed for constant contact or submersion with water.

Can Sunset Stone products be cut?

Yes. Sunset Stone are easily cut and trimmed using nippers or with a diamond saw blade. However, if you do cut Sunset Stone, the topical color is not all the way through so you will have an unfinished edge. It is recommended that mortar be lightly applied to the cut edges.

Installation

How is manufactured stone veneer installed?

Installation involves preparing the surface, applying mortar or adhesive, and then placing the stone veneer. The specific installation process may vary depending on the type of veneer and the application.

Do I need a professional installer for manufactured stone veneer?

If you are accustomed to working with masonry tools and supplies, anyone can install our product by following the simple instructions on our Installation Specifications page, but it's often best to hire a professional installer who has experience with the product. This ensures proper installation and longevity.



Can I install manufactured stone veneer over existing surfaces?

In some cases, manufactured stone veneer can be installed over existing surfaces like brick or concrete, but it's essential to follow proper installation guidelines and consult with a professional. The existing surfaces must present a firm and unified base for the veneer. On exterior applications, it is recommended that all wood surfaces and other surfaces not classified with a "water barrier" should have two layers of 15 lb. felt paper applied before installing wire lath.

Can you seal Sunset Stone?

Yes. However, we recommend a saline-based, breathable sealer that will not leave a residue, which could be a detriment to the look of the stone. Please call us at 303-791-1233 for recommended sealer options.

Care & Maintenance

How do I maintain manufactured stone veneer?

Maintaining manufactured stone veneer is relatively easy. Regular cleaning with mild soap and water is usually sufficient. Avoid using harsh chemicals or pressure washers that could damage the surface.

Does manufactured Sunset Stone veneer come with a warranty?

Yes. The warranty on the stone is a 50-year limited warranty.

Can I paint manufactured stone veneer?

It's generally not recommended to paint manufactured stone veneer, as it may affect the natural appearance of the material. Instead, choose a veneer that matches your desired color or style.

Are there any special considerations for maintenance in extreme climates?

In areas with extreme climates, it's essential to ensure proper installation and maintenance. Consult with a professional to address any specific climate-related concerns.

Will Sunset Stone products retain their color?

All natural iron oxides are utilized to manufacture Sunset Stone. These oxides, which are the primary coloring elements, carry the same weathering characteristics as real stone. Under normal circumstances, and when applied per manufacturer's specifications, no undesirable change in color occurs after years of weathering.



SPECIAL CARE INSTRUCTIONS

Sunset Stone's manufactured cast stone veneer products have been crafted to enhance the beauty of your home or commercial building.

Our products are virtually maintenance-free but may periodically require some cleaning, depending on your location.

Under no circumstances should this cleaning be done with power washing equipment or with any acid-based products. These cleaning procedures can permanently damage or alter the appearance of the stone, and will void your warranty.

The stone can be washed by using a nylon brush with a mild detergent or a solution of vinegar and water. This method will safely remove dirt, residue, or efflorescence.

Sunset Stone's products may be treated with a concrete sealer to reduce the natural absorption of moisture, but under normal circumstances it is not required by Sunset Stone. Only breathable penetrating water-based silane sealers should be used following the manufacturer's specifications during all applications.

In areas where the stone will come in contact with ice melt or excessive moisture, it is recommended by Sunset Stone to seal the product to prevent the chemicals or excessive moisture from infiltrating the surface and possibly damaging the product.

To maintain the effectiveness of the sealer, it may be required to periodically reapply the material. You should consult the sealer manufacturer so it can be applied and maintained per their recommendations.

Thank you for choosing Sunset Stone.

The logo for Sunset Stone Stone Veneer Co. is centered at the top of the page. It consists of a black rectangular box with a white border. Inside the box, the text "EST 1970" is at the top, "SUNSET STONE" is in the middle in a larger font, and "STONE VENEER CO." is at the bottom. The background of the page is a light-colored stone veneer pattern.

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STONE VENEER CO.

SUNSET STONE LIMITED WARRANTY

Sunset Stone products are guaranteed for a period of 50 years from the date of purchase when applied to a structure that meets local building codes and when installed in accordance with the manufacturer's specifications. Products determined to be defective will be replaced at no charge. This warranty is limited to manufacturing defects only and does not include the labor costs incurred in removal and replacement of defective products. This warranty does not cover damage resulting from settlement of the structure, contact with paint or chemicals, staining or oxidation, or discoloration due to airborne contaminants. Sunset Stone products are not warranted for use in contact with the ground or as a surface area subject to foot traffic.

The warranty applies to the original purchaser and may not be transferred to any subsequent owner.



In good company:



702 PRAIRIE HAWK DRIVE — CASTLE ROCK, COLORADO 80109
SUNSETSTONE.CO — (303) 791-1233

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