Stone Master®

Easy-to-Install Lightweight Manufactured Stone Veneer

Roma Grey-Mix

Roma Earth Brown

Roma Graphite

Roma Carmel

Springbrook

River Stone

Rocky Mountain Ledgestone - Glenwood Springs

Rocky Mountain Ledgestone - Blue River

Tools Needed Checklist

Interior and Exterior

1. ☐ Trowel
2. ☐ Square notch trowel
3. ☐ Carbide file
4. ☐ Chalk Line
5. ☐ Level
6. ☐ Gloves
7. ☐ Safety glasses
8. ☐ Scrub sponge

Exterior (to mix mortar)

9. ☐ Mixing container
10. ☐ Hoe

Grouting

11. ☐ Grout bag
12. ☐ Pointer
13. ☐ Hand whisk broom

Cutting Options

14. ☐ Carbide grit rod saw
15. ☐ Grinder with carbide bit
16. ☐ Wet saw with carbide bit

Other Materials (not pictured)

☐ Type-One Mastic Adhesive
☐ Mortar
☐ Grout Mix

Grouting Notes *

Grouting required for Springbrook and River Stone.

NO grouting required for Roma and Rocky Mountain Ledgestone. These are "stacked stone" styles with closely fitted seams.

Estimating The Stone Quantity

Calculate the amount of flat surface stone by multiplying the height times the width of the surface area to be covered. Subtract the area taken up by windows and doors. Square footage of stone per box is printed on box end. For corner quantities, measure the linear feet of corners. Note: Consult an architect or engineer when installing to heights over 8 feet.

Recommended Tools

Interior and Exterior Application: Trowel, square notch trowel, carbide file, chalk line, level, gloves, safety glasses, and scrub sponge.

Exterior Application: Mixing container, hoe.

Grouting (Springbrook and River Stone only): Add grout bag, pointer, and hand whisk broom.

Cutting the Stone Veneer: A variety of tools can be used to cut the stone veneer—they include: carbide grit rod saw, grinder with carbide bit, or wet saw with carbide blade.

Exterior Installation

Flashing

Flashing shall be installed per building code. Install galvanized or aluminum flashing at all dissimilar materials plus Ice and Water Barrier strips at all terminations and window and door openings.

Installing over Concrete, Concrete Block, or Brick

Masonry must be unpainted or unfinished. Veneer can be installed directly to these surfaces. Wet back of Stone and masonry surface to dampen as required. Install with Stone Mortar Mix.

Installing over Wood Sheathing

Water Barrier: Apply a water barrier of; 2 layers of 30 lb. Asphalt Impregnated Felt Paper (Tar Paper) over wood sheathing. Lap all seams 4". Use Ice and Water Shield at all door and window openings to interface with the galvanized or aluminum flashing. Provide termination drip edge if required. If required by the Building Code, over Tar Paper provide breather fabric with integral filter fabric and weep openings **(see Step 1)**.

Wire Lath (option 1): Apply 2.5 lb. per square foot Galvanized Wire Lath over the vapor barrier or breather fabric **(see Step 2)**. Make sure the mortar covers all of the lath and has room to key completely into the lath. Lap seams 1" at bottom and sides. Wrap corners 16" minimum. Secure with fasteners 16" on center horizontally and 6" on center vertically. To Wood Studs, use Galvanized nails, staples or screws that penetrate the stud 1". To Metal Studs, use Corrosion resistant, self-tapping screws with a 0.48" head that provides 0.37" penetration beyond the inside metal surface. Refer to the Metal Lath Manufacture's recommendations for their specific instructions for applications of their product.

Cement Board (option 2): In place of wire lath, attach Cement Board over Felt Paper and apply Stone directly to the Cement Board using Stone Mortar. Dampen surfaces to be mortared before applying. If required by code, provide breather fabric and weep openings between Cement Board and Felt Paper.

Mortar Preparation

Use Stone Mortar Mix. Mix with water. Apply a 1/2" scratch coat to the entire galvanized lath surface. Use the square notch trowel over the mortar to provide a raked surface **(see Step 3)**. Let dry. Check with mortar manufacturer to ensure the product meets or exceeds 50-psi shear bond strength.

Veneer Stone Preparation

Wet the veneer stone and the scratch coat surface **(see Step 4)**.

Installation

Use level and chalk line to mark placement of first course. Start with the corners. Keep stone 4" minimum from grade. Generously butter the entire back of the stone, with mortar, and press firmly into place **(see Step 5)**. It is best, when installing, to work from the top to bottom to prevent mortar from falling on the stones below. If grouting is required allow a minimum joint of 3/4". After corners are up install veneer stone flat pieces by buttering the backside and press firmly into place. If needed, layout stones on the ground to get a sense of the pattern you will use. Work from the top to bottom to prevent mortar from falling on the stones below. Cut stone as needed.
Note: Always check adhesion before installation.

Step 1. Install Felt Paper over wood sheathing.

Step 2. Install Lath over Felt Paper, cups of Lath facing up.

Step 3. Apply Mortar over Lath with notched trowel.

Step 4. Wet the veneer stone and scratch coat surface.

Step 5

Step 5

Springbrook, River Stone.
Mortar Adhesive and 1/4" joints for grouting.

Roma, Rocky Mountain Ledgestone.
Mortar Adhesive, stacked tight. NO grouting.

Interior Installation

Over Most Surfaces

Generously butter Type-One Mastic Adhesive to the entire back of the stone and press firmly against the wall.

NOTE: Some surfaces, such as a high gloss paint, may need to be sanded. Unpainted gypsum wall board surfaces should be sealed with a paint primer.

For Better Adhesion

Apply Type-One Mastic to the wall surface with the notched trowel. Let dry then follow the steps above. Note: Always check adhesion before installation.

Installing the Stone

Use level and chalk line to mark placement of first course. Start with the corners. Generously butter the piece and press firmly into place **(see Step 1-2)**. For

Springbrook and River Stone it is best, when installing, to work from the top to bottom to prevent mortar from falling on the stones below during grouting. When grouting is required allow a minimum joint of 3/4". After corners are up install veneer stone flat pieces by buttering the backside and press firmly into place. If needed, layout stones on the ground to get a sense of the pattern you will use. Cut stone as needed.

Step 1-2

Springbrook, River Stone.
Mastic Adhesive and 1/4" joints for grouting.

Roma, Rocky Mountain Ledgestone.
Mastic Adhesive, stacked tight. NO grouting.

Finishing

Grouting

Springbrook and River Stone Only:
Use Stone Mortar Mix or Masonry Joint Grout for grouting. Use grout bag and apply grout between stones **(see Step 1)**. Allow grout to set until mortar is firm, NOT DRY. Use a pointer or striker to work grout into the joints **(see Step 2)**. Brush away any unwanted mortar on stone face with the hand whisk brush as you work **(see Step 2)**.

Cleaning the Stone

It is best, when installing, to be careful not to get mastic or mortar on the stones. If you need to clean, use warm water and a scrub sponge. Do not scrub the entire stone, just the affected area. DO NOT use any types of acids on the stones.

Sealing the Stone

It is recommended that you seal the stone with a deep penetrating sealer.

Step 1   Step 2   Step 3

Stone Master ®

Interior Photo Gallery

Stone Master manufactured stone veneer is lighter than real stone and can be easily installed on most surfaces.

Styles are available with or without grout between the stones.

All Stone Master products are manufactured for interior or exterior installation.

Riverstone

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Exterior Photo Gallery

Stone Master manufactured stone veneer is durable and attractive. It will protect and enhance the beauty of your home.

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Roma Graphite

The Stone Master collection is made with the finest materials for premium quality, beauty, and durability. Your selection will enhance the comfort and value of your surroundings for lifetimes to come.