



Rocky Mountain Stone Products Guide Specification: Fabricated Stone

PART 1: GENERAL

1.1 SUMMARY

- A. Section Includes: Portland cement based manufactured stone, manufactured brick veneer, and manufactured trim.
- B. Related Sections:
 - 1. 07 60 00-Section specifying flashing and sheet metal materials.
 - 2. 07 92 00-Joint Sealants.
 - 3. 09 24 00-Section specifying Portland Cement plastering.
- C. Alternates:
 - 1. Reference Section 01 23 00-Alternates.

1.02 REFERENCES

- A. International Code Council ICC:
 - 1. ER Report-ESR-2677

1.03 SUBMITTALS

- A. Samples:
 - 1. Product Data
 - 2. Standard sample board consisting of small-scale pieces of veneers units showing full range of textures and colors.
 - 3. Quality Assurance/Control Submittals:
 - a. Qualifications:
 - 1. Proof of manufacturers qualifications.
 - 2. Proof of installer qualifications.
 - b. ICC-ES Report-ESR-2677
 - c. Veneer manufacturer's installation instructions.
- B. Closeout Submittals:
 - 1. Maintenance Instructions.
 - 2. Warranty

1.04 QUALITY ASSURANCE

- A. Manufacturers Qualifications:
 - 1. Minimum five years experience in producing manufactured stone veneer.
- B. Certificates:
 - 1. ICC-ES Report ESR-2677



1.05 DELIVERY, STORAGE, AND HANDLING

- A. Follow manufacturer's instructions.

1.06 PROJECT/SITE CONDITIONS

- A. Environmental Requirements:

1. When air temperatures are 40 degrees F or below, consult local building code for Cold-Weather Construction requirements.
2. Maintain materials and ambient temperature in area of installation at a minimum of 40 degrees F prior to, during, and for 48 hours following installation.

1.07 WARRANTY

- A. 50 Year Limited Manufacturer Warranty:

1. Rocky Mountain Stone will provide stone, for replacement of Rocky Mountain Stone that is determined to be defective. This warranty does not include labor or replacement costs. Warranty does not cover damage or staining caused by chemicals, airborne or waterborne contaminants, oxidation, settlement or movement of substrate surface over which it is applied. This warranty is limited to the original purchaser only.

PART 2: PRODUCTS

2.01 MANUFACTUER

- A. Rocky Mountain Stone Products
780 N 700 W
Salt Lake City, UT 84116
Telephone: 801.355.3221
Fax: 801.355.3473
Email: sales@rockymountainstoneproducts.com
Website: www.rockymountainstoneproducts.com

PART 3: EXECUTION

3.01 EXAMINATION

- A. Examine conditions and proceed with work.
1. Verify that field conditions are acceptable and are ready to receive work. Do not begin installation until substrates have been properly prepared.
 2. Verify items of work are properly sized and located.
 3. Verify that built-in items are in proper location and ready for roughing into masonry.



4. Verify correct product prior to installation.
- B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.
 - C. Protect surrounding area from possible damage during installation work.
 - D. Initiating installation constitutes the installer's acceptance of existing surface and substrate. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Protection: Protect adjacent work from contact with mortar.
- B. Surface Preparation: Prepare substrate in accordance with manufacturer's installation instructions for the type of substrate being covered.

3.03 APPLICATION

- A. Simulated Stone Veneer: Install in accordance with Rocky Mountain Stone Product's instructions.
 1. Stone should not be installed in a vertical position. Blend the stone from several different boxes to ensure proper color and size variation.
 2. RMS recommends first spreading the stone on the ground to get a look at it before installing the stone product onto the wall.
 3. Clean surfaces thoroughly prior to installation.
 4. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Mortar Mix for Jointless/Dry-Stacked Installation:
 1. Suggested Mix
 - a. 3 parts Portland Cement
 - b. 2 parts thin set mortar *(see important note below)
 - c. 7 parts masonry sand
 - d. Water
 2. Alternate Mix #1
 - a. 2 parts Portland Cement
 - b. 1 part lime
 - c. 7 parts masonry sand
 - d. Bonding agent and water (preblended 1:1)
 3. Alternate Mix #2
 - a. 3 parts Portland masonry cement
 - b. 7 parts masonry sand
 - c. Bonding agent and water (preblended 1:1)



*Note: For exterior applications use only "latex modified thin set for exterior use, meeting ANSI-A118.4".

4. Mortar Type-N premix
 - a. Sold in most contracting supply stores.
- C. Remove excess mortar; do not allow the mortar to dry on face of units.
 1. Point and tool joints before mortar has set.
 2. Clean and finish joints in accordance with architect's and manufacturer's instructions.
- D. Grouted vs. Drystacked
 1. Some of Rocky Mountain Stone's veneers are designed to be installed with no mortar joint. These styles include: Mountain Stack, Ashlar, Mountain Ledge and Olympus Ledge. However, many of the stones can be installed either with or without a mortar joint.
- E. Control Joints: Size in no case larger than adjacent mortar joints in exposed stone units.
- F. Expansion Joints: Provide where indicated as recommended by system manufacturer.
- G. Built-in Work: As work progresses, build in door and window frames, nailing strips, anchor bolts, plates and other items specified.
 1. Build in items plumb and level.
 2. Bed anchors of metal door and glazed frames in mortar joints. Fill frame voids solid with mortar.
 3. Do not build in organic materials subject to deterioration.
- H. Apply sealer in accordance with manufacturer's installation instructions.

3.04 INSTALLATION

- A. Keep surfaces moist while installing.
- B. Poorly attached stones are considered defective work. After set-up, inspect wall for loose stones.
- C. Remove and properly replace loose stones prior to project close-out.
- D. Seal all joints at wall openings and penetrations with a sealant approved for use with masonry products.

3.05 CLEANING

- A. Cleaning Manufactured Stone Veneer
 1. Wash with soft bristle brush, and water or granulated detergent solution. DO NOT USE wire brush.
- B. Removing Efflorescence
 1. Allow product to dry thoroughly.
 2. Scrub with soft bristle brush and clean water.
 3. Rinse immediately with clean water; allow to dry.



4. If efflorescence is still visible, repeat procedure mentioned above using a solution of 1 part household vinegar and 5 parts water. Rinse immediately with clean water.