Code Compliance Research Report
CCRR-0344

Issue Date: 01-13-2021
Revision Date: 04-15-2026
Renewal Date: 04-30-2027

DIVISION: 04 00 00 MASONRY
Section: 04 73 00 Manufactured Stone Masonry

REPORT HOLDER:
Signature Stone, Inc.
1005 Willow Street Pike
Lancaster, PA 17602
www.signaturestoneinc.com

REPORT SUBJECT:
Adhered Manufactured Stone Veneers:
Field Ledge, Cobble, Fieldstone, Dry Ledge, Drystack

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, 2018 *International Building Code®* (IBC)
- 2024, 2021, 2018 *International Residential Code®* (IRC)

1.2 Stone Veneer has been evaluated for the following properties:

- Strength
- Durability

1.3 Stone Veneer has been evaluated for the following uses:

- Use as an exterior wall covering in accordance with IBC Section 1404.11 and IRC Section R703
- Use on exterior walls of Type V construction

2.0 STATEMENT OF COMPLIANCE

The Signature Stone Adhered Manufactured Stone Veneers described in this report comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.0.

2.1 2024 IBC and IRC Evaluation Reports: The Intertek CCRR is an Evaluation Report for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1 The stone veneers are pre-cast concrete shapes that simulate natural stone in various shapes and styles. See Figure 1. The thickness of the stone veneers varies based on stone profile, from 1-1/2 inches to 2-1/2 inches. The stone veneers have a nominal density of 110 pcf and a maximum saturated weight of 15 pounds per square foot.

4.0 PERFORMANCE CHARACTERISTICS

4.1 The Signature Stone Adhered Manufactured Stone Veneers meet the performance requirements of ICC-ES AC51.

5.0 INSTALLATION

5.1 General: The Stone Veneer must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

5.2 Installation Over a Lath and Mortar Scratch Coat Over Framed Walls: The scratch coat must be installed over a water-resistive barrier complying with IBC Section 1404.11.1.1 or IRC Section R703.12.3, as applicable. Also, flashing must be installed as required by IBC Section 1404.11.1.2 or IRC Sections R703.4 and R703.12.2, as applicable, including a foundation weep screed installed at the bottom of the stone veneer. The foundation weep screed must comply with, and be installed in accordance with, the requirements for flashing at foundation shown in IBC Section 1404.11.1.2.1 or IRC Section R703.12.2, as applicable. The veneer must be installed with the clearances required by IBC Section 1404.11.1.3 or IRC Section R703.12.1, as applicable.

Lath must comply with IBC Section 2510 (referenced from IBC Section 1404.11.1.4.1) or IRC Section R703.7.1 (referenced from IRC Section R703.12). The scratch coat must be applied in accordance with IBC Section 1404.11.1.4.2 and the veneer units must be adhered to the scratch coat in accordance with IBC Section 1404.11.1.4.3.

The mortar used to adhere the veneer units to the scratch coat must comply with IBC Section 2103.2.4 or IRC Section R606.2.11, as applicable.

5.3 Installation Over Concrete and Masonry: Installation over concrete and masonry must comply with IBC Section 1404.11.1.5. When adhering the veneer units directly to the concrete or masonry, the supporting surfaces must be prepared in accordance with IBC Section 2510.7, and the veneer units must be adhered to the supporting surface as described in Section 5.2. When adhering the veneer units to a lath and mortar scratch coat, the lath and scratch coat preparation must comply with Section 5.2.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 Expansion or control joints used to limit the effect of differential movement of the stone veneer supports must be specified by the architect, designer, or veneer manufacturer, in that order. Consideration must be given to movement caused by temperature changes, shrinkage, creep and deflection.

6.3 For installation in accordance with the IBC, supporting wall construction must be designed to support the weight of the veneer system. Horizontal framing members, such as lintels and headers, which support the stone veneer, must be designed to limit deflection to 1/600 of the span.

6.4 In jurisdictions adopting the IRC, where the seismic provisions of Section R301.2.2 apply, the average weight of the wall supporting the stone veneer, including the weight of the veneer system, must be determined. When this weight exceeds the applicable limits of IRC Section R301.2.2.2, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3.

6.5 The stone veneers are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests in accordance with ASTM C1670-16, Standard Specification for Adhered Manufactured Stone Masonry Veneer Units.

7.2 Data in accordance with the ICC-ES AC51, Acceptance Criteria for Adhered Manufactured Stone Masonry Veneer, approved June 2018.

7.3 Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

8.0 IDENTIFICATION

The Signature Stone, Inc., stone veneer packaging is identified with the manufacturer's name (Signature Stone), profile name, location of manufacture, minimum quantity contained, statement of product conformity to ASTM C1670, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0344).

CODE COMPLIANCE
Intertek
CCRR-0344

9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the Intertek website address: www.bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

Field Ledge

Castle Rock Field Ledge | Gabriel Ash Field Ledge | North State Field Ledge | Pennsylvania Field Ledge | Regal Field Ledge | Scottsdale Field Ledge | Woods Cove Field Ledge

Cobble

Carnoustie Cobble | Cog Hill Cobble | Radnor Cobble | Valencia Cobble

Fieldstone

Beth Page Fieldstone | Chestnut Mountain Fieldstone | Concord Fieldstone | Muirfield Fieldstone | Pinehurst Fieldstone | Sawgrass Fieldstone | Somerset Fieldstone | St. Georges Fieldstone

Dry Ledge

Castle Rock Dry Ledge | Colonial Dry Ledge | Elmwood Dry Ledge | Shinnecock Dry Ledge

Drystack

Jericho Drystack | New Haven Drystack

FIGURE 1 – STONE VENEER STYLES