

ICC-ES Evaluation Report


ESR-2239

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<p>DIVISION: 04 00 00— MASONRY</p> <p>Section: 04 73 00— Manufactured Stone Masonry</p>	<p>REPORT HOLDER:</p> <p>CENTURION PRODUCTS, LLC</p>	<p>EVALUATION SUBJECT:</p> <p>CENTURION STONE VENEER</p>	
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1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2015 [International Building Code® \(IBC\)](#)
- 2015 [International Residential Code® \(IRC\)](#)
- Other codes (see Section 8.0)

Property evaluated:

Veneer strength and durability

1.2 Evaluation to the following green code(s) and/or standards:

- 2022 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012, and ICC 700-2008)

Attributes verified:

See Section 3.0

2.0 USES

Centurion Stone Veneer is used as an adhered, nonload-bearing exterior veneer on wood-framed or light-gage steel-framed walls, concrete walls, or masonry walls.

3.0 DESCRIPTION

The veneer is a precast concrete product made to resemble natural stone in color and texture. The veneer is composed of portland cement, aggregates, pigments, admixtures, and water. The veneer units are molded and cured at the manufacturing facility.

The average saturated weight of the installed veneer units does not exceed 15 pounds per square foot (73.2 kg/m²). Evaluated styles of veneer are listed in [Table 1](#).

The attributes of the stone veneer have been verified as conforming to the provisions of (i) CALGreen Section A4.405.1.3 for prefinished building materials and Section A5.406.1.2 for reduced maintenance; (ii) ICC 700-2020, ICC 700-2015 and ICC 700-2012 Sections 602.1.6 and 11.602.1.6 for termite-resistant materials; (iii) ICC 700-2020 Sections 601.7 and 11.601.7 and ICC 700-2015 and ICC 700-2012 Sections 601.7,

11.601.7, and 12.1(A).601.7 for site-applied finishing materials; and (iv) ICC 700-2008 Section 602.8 for termite-resistant materials and Section 601.7 for site-applied finishing materials. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

4.0 INSTALLATION

4.1 General:

Installation of the veneer units must comply with this report, the manufacturer's published installation instructions, and the applicable code. The manufacturer's published installation instructions must be available at the jobsite at all times during installation. In accordance with the code, the veneer may be applied over a lath and mortar scratch coat or applied directly to concrete or masonry.

4.2 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 1405.10.1.1 or IRC Section R703.12.3, as applicable. Also, flashing must be installed as required by IBC Section 1405.10.1.2 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 1405.10.1.2.1 or IRC Section R703.12.2, as applicable. The veneer must be installed with the clearances required by IBC Section 1405.10.1.3 or IRC Section R703.12.1, as applicable.

Lathing must comply with IBC Section 2510 (referenced from IBC Section 1405.10.1.4.1) or IRC Section R703.7.1 (referenced from IRC Section R703.12). The scratch coat must be applied in accordance with IBC Section 1405.10.1.4.2, and the veneer units must be adhered to the scratch coat in accordance with IBC Section 1405.10.1.4.3. The mortar used to adhere the veneer units to the scratch coat must comply with IBC Section 2103.2.4.

4.3 Installation over Concrete and Masonry:

Installation over concrete and masonry must comply with IBC Section 1405.10.1.5. 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 4.2. When adhering the veneer units to a lath and mortar scratch coat, the lathing and scratch coat preparation must comply with Section 4.2.

5.0 CONDITIONS OF USE:

The precast stone veneer described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 Expansion or control joints, used to limit the effect of differential movement of supports on the veneer system, are to be specified by the architect, designer, or veneer manufacturer, in that order. Consideration must also be given to movement caused by temperature change, shrinkage, creep, and deflection.
- 5.3 In jurisdictions adopting the IBC, the supporting wall must be designed to support the installed weight of the veneer system, including veneer, setting bed and cement plaster backing, as applicable. At wall openings, the supporting members must be designed to limit deflection to $1/600$ of the span of the supporting members.
- 5.4 In jurisdictions adopting the IRC, where the seismic provisions of IRC Section R301.2.2 apply, the average weight of the wall supporting the precast stone veneer, including the weight of the veneer system, must be determined. When this weight exceeds the applicable limits of IRC Section R301.2.2.2.1, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3.
- 5.5 The precast stone veneer units are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Precast Stone Veneer \(AC51\)](#), dated January 2016.

7.0 IDENTIFICATION

- 7.1 Boxes of the precast stone veneer units are identified with the manufacturer’s name (Centurion Products, Inc.), product name, the style name, and the evaluation report number (ESR-2239).
- 7.2 The report holder’s contact information is the following:

CENTURION PRODUCTS, LLC
7201 COCKRILL BEND BLVD.
NASHVILLE, TENNESSEE 37209
(615) 256-6694
www.centurionstone.com

8.0 OTHER CODES

Evaluation Scope:

In addition to the codes referenced in Section 1.0, the products described in this report were evaluated for compliance with the following codes:

- 2012, 2009 and 2006 *International Building Code*[®] (IBC)
- 2012, 2009 and 2006 *International Residential Code*[®] (IRC)

The Centurion Stone Veneer products addressed in Sections 2.0 through 7.0 of this report comply with, or are suitable alternatives to what is specified in, the codes listed above, and must be installed in accordance with the 2015 IBC and IRC, as described in Section 4.0.

TABLE 1—EVALUATED STYLES

PRODUCT	STYLES
Centurion Stone Veneer	Ashlar, Bedrock, Biltmore, Cathedral Stone, Centurion Castle Rock, Cobblestone, Cutface, Driftstone, Fieldstone, Foundation Stone, Hackett, Ledge, Multi-Ledge, Ocala, Ohio Limestone, Palos Verde, River Rock, Rubble, Rustic, Silhouette Ledge, Splitface, Stack, Weatheredge