DIVISION: 04 00 00—MASONRY
SECTION: 04 73 00—MANUFACTURED STONE MASONRY

REPORT HOLDER:
CENTURION PRODUCTS, INC.

EVALUATION SUBJECT:
CENTURION STONE VENEER

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.
1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2006 International Building Code® (IBC)
- 2006 International Residential Code® (IRC)

Property evaluated:

Veneer strength and durability

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

- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11

Attributes verified:

- See Section 3.0

2.0 USES

Centurion Stone Veneer is used as an adhered, nonload-bearing exterior veneer on nonfire-resistance-rated exterior walls of wood stud or light-gage steel stud construction, or concrete 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 complying with ASTM C 150, aggregates, admixtures, and water. The veneer units are molded and cured at the manufacturing facility.

The veneer units are of various thicknesses from 1 1/2 to 2 inches (38 to 51 mm). The maximum saturated weight of the installed veneer units is less than 15 pounds per square foot (73.2 kg/m²). Recognized stone patterns are Ashlar, Bedrock, Biltmore, Canyon Ledger, Castle Rock, Cathedral, Cherokee Blend, Cobblestone, Cutface, Driftstone, Fieldstone, Foundation Stone, Hackett, Ledger, Multi-Blend, Multi-Ledge, Ocala, Ohio Limestone, Palos Verdes, River Rock, Rubble, Rustic, Silhouette Ledge, Splitface and Weatheredge.

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 700-2015 and ICC 700-2012 Sections 602.1.6 and 11.602.1.6 for termite-resistant materials and Sections 601.7, 11.601.7, and 12.1(A),601.7 for site-applied finishing materials; and (iii) 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 IBC Section 1404.4 or IRC Section R703.7, as applicable. The manufacturer's published installation instructions must be available at the jobsite at all times during installation. The veneer may be applied over backings of cement plaster, concrete or masonry.

4.2 Preparation of Backing:

4.2.1 Cement Plaster Backing: The cement plaster backing (scratch coat) may be applied over structurally sound wall surfaces of exterior sheathing on wood framed or light-gage steel framed walls, open wood or steel studs, or masonry walls.

4.2.1.1 Installation over Sheathing: A cement plaster backing must be installed over a water-resistant barrier complying with IBC Sections 1404.2 and 2510.6 or IRC Sections R703.2 and R703.6.3, as applicable. The water-resistant barrier must consist of a minimum of two separate layers of No. 15 asphalt felt complying with ASTM D 226 for Type 1 felt, or Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3, or one layer of house wrap recognized in an ICC-ES evaluation report as complying with ICC-ES AC38 (the Acceptance Criteria for Water-resistant Barriers) and one layer of No. 15 asphalt felt or Grade D paper.

Also, flashing must be installed as required by IBC Section 1405.3 or IRC Section R703.8, as applicable, and weep screeds must be installed at the bottom of the veneer. The weep screeds must comply with, and be installed in accordance with, IBC Section 2512.1.2 or IRC Section R703.6.2.1, as applicable. In addition, the weep
4.2.1 Installation over Open Studs: The cement plaster backing may be installed as described in Section 4.2.1. Studs must be spaced no more than 16 inches (406 mm) on center. A self-furring, corrosion-resistant, 2.5-pound-per-square-yard (1.4 kg/m²), galvanized, expanded diamond mesh metal lath, or 3.4 lb/ft² (1.8 kg/m²), 3/16-inch (9.5 mm) rib lath complying with ASTM C 847 or a No. 18 gage [0.051-inch-thick (1.30 mm)] galvanized woven wire mesh conforming to ASTM C 1032, must be installed in accordance with the applicable code over the water-resistant barrier. Lath must be installed with a minimum 1/2-inch (12.7 mm) overlap on vertical seams and a 1-inch (25.4 mm) overlap on horizontal seams. The lath must be fastened to the wall at studs spaced no more than 16 inches (406 mm) on center vertically, in accordance with the minimum requirements of Section 7.10 of ASTM C 1063, or IRC Section R703.6.1, as applicable. Lath must be wrapped around inside and outside corners with attachment every 6 inches (152 mm) at the next stud, allowing up to a 16-inch (406 mm) overlap. For wood studs, fasteners must be minimum 0.120-inch-shank-diameter (3 mm) galvanized nails, complying with ASTM F 1667, of sufficient length to penetrate the studs a minimum of 1 inch (25.4 mm). For steel studs, fasteners must be minimum No. 8 gage, Type S, galvanized self-tapping screws with minimum 3/8-inch-diameter (9.5 mm) heads, complying with ASTM C 1002 and of sufficient length to penetrate the studs a minimum of 3/4 inch (9.5 mm).

A coat of Type S or N mortar is applied to the metal lath as a scratch coat. The coat of mortar must be a minimum of 1/2 inch (12.7 mm) thick. The mortar must comply with IBC Section 2103.8 or IRC Section R607.1, as applicable, and must be cured in accordance with IBC Section 2512.6 prior to application of the veneer units.

4.2.2 Masonry Backing: Wall surfaces must be prepared in accordance with Section 5.2 of ASTM C 926 and IBC Section 2510.7, as applicable. Alternatively, a cement plaster backing may be installed as described in Section 4.2.1.