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## CASA DI SASSI PRECAST STONE VENEER

### CSI Section:

**04 73 00 Manufactured Stone Masonry**

### 1.0 RECOGNITION

Casa Di Sassi Adhered Manufactured Stone Masonry Veneer (AMSMV) has been evaluated for use as a wall covering in compliance with Section 1405.2 of the IBC and Section R703.7 of the IRC over exterior or interior walls of wood studs, cold-formed steel framing, or concrete masonry. The stone veneer has been evaluated for composition, strength, durability, and installation. The Casa Di Sassi AMSMV evaluated in this report complies with or is a satisfactory alternative veneer for use with the following codes and regulations:

- 2024, 2021, 2018, and 2015 International Building Code® (IBC)
- 2024, 2021, 2018, and 2015 International Residential Code® (IRC)

### 2.0 LIMITATIONS

Use of Casa Di Sassi AMSMV recognized in this report is subject to the following limitations:

**2.1** “Expansion or control joints used to limit the effect of differential movement of AMSMV 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.” [AC51]

**2.2** “For installation in accordance with the 2021, 2018, and 2015 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 AMSMV, must be designed to limit deflection to  $1/600$  of the span.” [AC51]

**2.3** “In jurisdictions adopting the IRC, where the seismic provisions of Section R301.2.2 apply, the average weight of the wall supporting the AMSMV, including the weight of the veneer system, must be determined. When this weight

exceeds the applicable limits of IRC Section 301.2.2.1, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3.” [AC51]

**2.4** When installed in accordance with the 2024 IBC, the special inspection requirements are as referenced in Table 4 of TMS 602-22 as referenced in Section 1705.4.

**2.5** When installed in accordance with the 2024 IBC, differential movement shall be addressed in accordance with Section 13.1 of TMS 402-22. Deflection of members supporting the AMSMV shall meet the requirements of Section 13.1.2.3 of TSM 402-22. Walls covered with AMSMV shall comply with the out-of-plane deflection criteria as defined in Section 13.3.1.2 of TMS 402-22.

### 3.0 PRODUCT USE

**3.1** Casa Di Sassi’s AMSMV complies with Section 1404.11 of the 2024 IBC, Section 1404.10 of the 2021 and 2018 IBC, Section 1404.4 of the 2015 IBC, and Section R703.7 of the IRC as an exterior wall covering.

**3.2** The backing for Casa Di Sassi’s “adhered veneer shall be of concrete, masonry, steel framing or wood framing.” [Section 1403.4 of the 2024, 2021, and 2018 IBC, Section 1404.4 of the 2015 IBC] The veneer units shall be adhered to cement plaster, concrete, or concrete masonry backings. Lath, lath accessories, and fasteners shall be corrosion-resistant, as applicable. The manufacturer’s installation instructions shall be strictly adhered to and be available at the jobsite during application.

**3.3** Casa Di Sassi AMSMV shall be installed in accordance with Section 1404.11.1 of the 2024 IBC, Section 1404.10.1 of the 2021 and 2018 IBC, Section 1405.10.1 of the 2015 IBC, or Section R703.12 of the IRC, as applicable, ASTM C1780, and the report holder’s published installation instructions. Where there is a conflict, the more restrictive shall govern.

**3.4** Casa Di Sassi AMSMV units may be applied over the assemblies described in Table 1 of this report when installed in accordance with the referenced code sections and this report.

### 4.0 PRODUCT DESCRIPTION

**4.1** Casa Di Sassi AMSMV units are manufactured concrete products formed to resemble natural stone or brick in both texture and color. The individual masonry veneer units shall be a minimum of 0.75 inch (19.1 mm) thick and a maximum of 1.85 inches (47 mm) thick. Individual veneer units shall



not be greater than 36 inches (914 mm) in length or height with a maximum surface area of 720 square inches (0.46 m<sup>2</sup>). The average minimum compressive strength shall be 1,800 psi (12.4 MPa). The installed products' average saturated weight does not exceed 15 pounds per square foot (73 kg/m<sup>2</sup>). The weight of the mortar setting bed and scratch coat are outside the scope of this report. The recognized veneer styles are listed in Table 2 of this report.

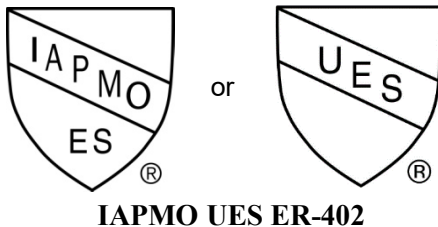
**TABLE 2 – Recognized Veneer Style Names**

Ledgestone, Old World, Fieldstone, Blend, Limestone, Barnstone, Granite, Brick, EZ Ledge, Tuscanny Veneer, Country Rubble, Kwik Stack, Yorkshire, Quartz, and Volterra.
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**4.2** Casa Di Sassi AMSMV units at a thickness of 1 inch (25.4 mm), have an average thermal resistance (R-value) of 0.55 h. ft<sup>2</sup>°F/Btu when tested in accordance with ASTM C518.

## 5.0 IDENTIFICATION

Boxes of Casa Di Sassi AMSMV are identified with the manufacturer's name, the pattern/style name, manufacturing date, manufacturing location, and evaluation report number (ER-402). Either IAPMO UES Mark of Conformity may also be used as shown below:



## 6.0 SUBSTANTIATING DATA

**6.1** Data in accordance with ASTM C1670. and the Acceptance Criteria for Precast Stone Veneer (Precast Stone Veneer AC51) approved June 2018, editorially revised February 2024.

**6.2** Manufacturer's descriptive literature and installation instructions.

**6.3** Reports of testing include: ASTM C567, ASTM C39, ASTM C190, ASTM C348, ASTM C67, ASTM C109, ASTM C482, ASTM C518, and moisture absorption, density, and weight tests.

**6.4** Test reports are from laboratories in compliance with ISO/IEC 17025.

## 7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Casa Di Sassi AMSMV to assess its conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification. Products are manufactured under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this evaluation report please visit [www.uniform-es.org](http://www.uniform-es.org) or email at [info@uniform-es.org](mailto:info@uniform-es.org)



**TABLE 1 – Application of Masonry Veneer Units**

Item	Code Section	Notes
<b>1. Cement Plaster</b>	2024 IBC Section 1404.11.1.4.2, 2021 and 2018 IBC Section 1404.10, 2015 IBC Section 1405.10.1 IRC Section R703.7.2	Nominally $\frac{3}{8}$ -inch scratch coat of Type S mortar complying with ASTM C270, scored horizontally in accordance with IBC Section 2512.6.
<b>2. Water Resistive Barrier</b>	2024 IBC Section 1404.11.1.1, 2021 and 2018 IBC Section 1404.10.1.1, 2015 IBC Section 1405.10.1.1), IRC Section R703.7.3	
<b>3. Flashing</b>	2024, 2021, and 2018 IBC Section 1404.4, 2015 IBC Section 1405.4 and Section 1405.10.1.2, IRC Section R703.4 and IRC Section R703.12.2	
<b>4. Weep Screed</b>	2024 IBC Section 1404.11.1.2, 2021 and 2018 IBC Section 1404.10.1.2, 2015 IBC Section 1405.10.1.2, IRC Section R703.12.1, TMS 402-22 Section 13.3, TMS 402-16 and TMS 402-13 Section 12.1.6.2	
<b>5. Lath and Fasteners</b>	IBC Section 2510.3 (ASTM C926 and ASTM C1063) or IRC Section R703.6.1.	For proprietary fasteners, shear and pull-out capacities shall be justified to the satisfaction of the building official or authority having jurisdiction (AHJ).
<b>6. Over Wood Based or Gypsum Sheathing Supported by Steel or Wood Framing</b>	Same as <b>Items 1, 2, 3, 4, and 5</b> and <b>Notes</b>	<b>Items 1, 2, 3, 4, and 5</b> with framing spaced at 16 inches on-center maximum, lath shall be 2.5 lb/yd <sup>2</sup> self-furring metal lath complying with ASTM C847 and fastened in accordance with the requirements of Section 7.10.2 of ASTM C1063, and Section R703.6.1 of the IRC with fasteners spaced a maximum of 6 inches on-center.
<b>7. Over Concrete or Concrete Masonry</b>	Surfaces shall be prepared in accordance with IBC Section 2510.7, and Section 5.2 of ASTM C926.	<b>Items 1, 3, 4, 5, and 6</b> except with metal lath complying with ASTM C847. The veneer may also be adhered to backings of clean concrete masonry without lath, in accordance with Section 2510.7 of the IBC and Section 5.2 of ASTM C926.
<b>8. Mortar Application of Veneer Units</b>	2024, 2021, and 2018 IBC Section 2103.2.4, 2015 IBC Section 2103.9	Nominally $\frac{3}{8}$ -inch-thick brown (second) coat of Type S mortar complying with ASTM C270 applied over the scratch coat, and a thin layer of the mortar applied to the back of the veneer units in accordance with Casa Di Sassi's installation instructions.

SI conversions: 1 inch = 25.4 mm, 1 lb/yd<sup>2</sup> = 0.54 kg/m<sup>2</sup>