OLDCASTLE ARCHITECTURAL
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ARTISAN MASONRY THIN VENEER

CSI Section:
04 73 00 Manufactured Stone Masonry

1.0 RECOGNITION

Oldcastle Architectural' s Artisan Masonry Thin Veneer has been evaluated for use as a wall covering in compliance with Section 1404.2 of the 2018 IBC (Section 1405.2 of the 2015, 2012 and 2009 IBC) and Section R703.7 of the IRC over exterior walls of wood studs, cold-formed steel framing or concrete masonry. The veneer has been evaluated for composition, strength, durability, surface burning characteristics and installation. The Artisan Masonry Thin Veneer evaluated in this report is a satisfactory alternative to the following codes and regulations:

- 2018, 2015, 2012, and 2009 International Building Code® (IBC)
- 2018, 2015, 2012, and 2009 International Residential Code® (IRC)
- ASTM C1670-16
- 2017 Florida Building Code, Building and 2017 Florida Building Code, Residential (FBC) – see attached Supplement
- 2016 California Building Code (CBC) and 2016 California Residential Code (CRC) – see attached Supplement

2.0 LIMITATIONS

Use of Artisan Masonry Thin Veneer recognized in this report is subject to the following limitations:

2.1 Determination for location and placement of expansion or control joints shall be based on consideration to movement caused by fluctuation in temperature, moisture or applied loads.

2.2 Structural elements supporting the masonry veneer, such as lintels and headers, shall be designed so that deflection does not exceed l/600 or 0.3-inch (7.6 mm) in accordance with Section 12.2.2.3.1.5 of TMS 402-2016 (Section 12.2.2.4 TMS 402-2013), as referenced by Section 1404.6 of the 2018 IBC (TMS 402/ACI 530/ASCE 5 per Section 1405.6 of the 2015, 2012 or 2009 IBC), or Section R703.8.2 of the IRC, as applicable.

2.3 When installed on exterior stud walls, the veneer units shall be installed not less than 4 inches (102 mm) above the earth, or not less than 2 inches (51 mm) above paved areas, or not less than ½ inch (12 mm) above exterior walking surfaces that are supported by the same foundation that supports the exterior wall in accordance with 2018 IBC Section 1404.10.1.3 (2015 and 2012 IBC Section 1405.10.1.3) or 2018, 2015 and 2012 IRC Section R703.12.1, as applicable.

2.4 When applicable the weight of materials provisions of IRC Section R301.2.2.2 shall apply.

3.0 PRODUCT USE

3.1 The backing for Artisan Masonry Thin Veneer adhered veneer shall be of concrete, masonry, steel framing or wood framing. 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.

3.2 Artisan Masonry Thin Veneer shall be installed in accordance with Section 1404.10.1 of the 2018 IBC (Section 1405.10.1 of the 2015, 2012 or 2009 IBC), 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. The manufacturer's installation instructions shall be available at the jobsite during veneer application.

3.3 Artisan Masonry Thin Veneer 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 Artisan Masonry Thin Veneer units are manufactured concrete products formed to resemble natural stone or traditional masonry units in both texture and color. The individual masonry veneer units shall be a minimum of ⅝ inch (15.9 mm) thick and a maximum of 2⅝ inches (67 mm) thick with an average minimum compressive strength of 2,100 psi (15MPa). Artisan Masonry Thin Veneer units weigh less than 15 lb/ft^2 (73 kg/m^2) in compliance with Section 12.3.2.1 of TMS 402-2016 (TMS 402/ACI 530/ASCE 5 and ASTM C1670.

4.2 The veneer has a Class A finish rating in accordance with Section 803.1.2 of the 2018 IBC (Section 803.1.1 of the 2015, 2012 and 2009 IBC) and has a flame spread index and smoke-developed index that conforms to Section R302.9 of the IRC when tested in accordance with ASTM E84.

5.0 IDENTIFICATION

Packages of Artisan Masonry Thin Veneer are identified with the manufacturer's name, the pattern/style name, manufacturing date, manufacturing location, and evaluation report number (ER-502). Either Mark of Conformity may be used as shown below:

or

IAPMO UES ER-502

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with ASTM C1780 *Standard Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer*.

6.2 Reports of tests in accordance with ASTM C1670 *Standard Specification for Adhered Manufactured Stone Masonry Veneer Units*.

6.3 Reports of tests in accordance with ASTM E84 *Standard Test Method for Surface Burning Characteristics*.

6.4 Manufacturer's descriptive literature and installation instructions.

6.5 Test results are from laboratories in compliance with ISO/IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on Artisan Masonry Thin Veneer to assess its conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification.

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For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org

Table 1 – Application of Masonry Veneer Units		
Item	**Code Section**	**Notes**
1. Cement Plaster	2018 IBC Section 1404.10.1 (2015 IBC Section 1405.10.1); 2018 and 2105 IRC Section R703.7.2 (2012, 2009 and 2006 IRC Section 703.6.2)	½-inch thick scratch coat of Type S mortar complying with ASTM C270, scored horizontally in accordance with IBC Section 2512.6 or IRC Section R606.2.10, as applicable.
2. Water Resistive Barrier	2018 IBC Section 1404.10.1.1 (2015, 2012 or 2009 IBC Sections 1405.10.1.1); 2018 and 2015 IRC Section R703.7.3 (2012, 2009, and 2006 IRC Section R703.6.3)	—
3. Flashing	2015 IBC Section 1404.5 (2015, 2012 and 2009 IB Section 1405.4) and 2018 IBC Section 1404.10.1.2 (2015, 2012 and 2009 IBC Section 1405.10.1.2); 2018 and 2015 IRC Section R703.4 (2012, 2009 and 2006 IRC Section R703.8) and IRC Section R703.12.2 (2006 IRC Section R703.8)	—
4. Weep Screed	2018 IBC Section 1404.10.1.2 (2015, 2012 and 2009 IBC Section 1405.10.1.2); IRC Section R703.12.1 (2009 IRC Section R703.6.2.1); and TMS 402-16 and TMS 402-13 Section 12.1.6.2 (TMS 402-11 Section 6.1.6.2, ACI 530 Section 6.1.5.2)	—
5. Lath and Fasteners	IBC Section 2510.3 (ASTM C926 and ASTM C1063); 2018 and 2015 IRC Section R703.7.1 (2012, 2009 and 2006 IRC Section R703.6.1)	For proprietary fasteners shear and pull out capacities shall be justified to the satisfaction of the authority having jurisdiction (AHJ).
6. Over Wood Based or Gypsum Sheathing Supported by Steel or Wood Framing	See **Items 1, 2, 3, 4** and **5** and **Notes**	**Items 1, 2, 3, 4** and **5** with framing spaced at 16 inches on-center maximum, lath shall be minimum 2.5 lb/yd^2 self-furring corrosion resistant lath complying with ASTM C847 or 1.4 lb/yd^2 galvanized woven wire mesh complying with ASTM C1032, fastened in accordance with the requirements of ASTM C1063, Section 7.10.2, and Section R703.6.1 of the IRC with fasteners spaced a maximum of 6 inches on-center.
7. Over concrete or concrete masonry	Prepare surfaces in accordance with IBC Section 2510.7 and Section 5.2 of ASTM C926.	**Items 1, 3, 4, 5** and **6** except with metal lath complying with minimum 2.5 lb/yd^2 self-furring corrosion resistant lath complying with C847 or 1.4 lb/yd^2 woven wire plaster base complying with ASTM C1032. 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 the ASTM C926.
8. Mortar Application of Veneer Units	2018 and 2015 IBC Section 2103.2.4 (2012 and 2009 IBC Section 2103.9, 2006 IBC Section 2103.8)	Nominal ½-inch thick setting bed of Type S mortar complying with ASTM C270, or polymer latex-modified Portland cement mortar complying with ANSI A118.4, applied to the back of the veneer units in accordance with the manufacturer's installation instructions.

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

FLORIDA SUPPLEMENT

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1.0 RECOGNITION

Oldcastle Architectural' s Artisan Masonry Thin Veneer evaluated in IAPMO UES ER-502 is a satisfactory alternative to the following codes and regulations:

- 2017 Florida Building Code, Building (FBC, Building)
- 2017 Florida Building Code, Residential (FBC, Residential)

2.0 LIMITATIONS

2.1 Flashing shall be installed "in such a manner as to prevent the accumulation of water within the wall assembly" in accordance with Section 1403.2 of the FBC, Building.

2.2 "In order to provide for inspection for termite infestation, clearance between exterior wall coverings and final earth grade on the exterior of a building shall not be less than 6 inches (152 mm)", in accordance with Section 1403.7 of the FBC, Building or Section R704 or the FBC, Residential, as applicable.

2.3 Evaluation to the high-velocity hurricane zone provisions in Section 1409 of the FBC, Building or Chapter 44 of the FBC, Residential is outside of the scope of this report.

2.4 Verification shall be provided that a quality assurance agency audits the manufacturers quality assurance program and audits the production quality of products, in accordance with Section (5)(d) of Florida Rule 61G20-3.008. the quality assurance agency shall be approved by the Commission (or the building official when the report holder does not possess an approval by the Commission).

CALIFORNIA SUPPLEMENT

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1.0 RECOGNITION

Oldcastle Architectural's Artisan Masonry Thin Veneer evaluated in IAPMO UES ER-502 is a satisfactory alternative for use in buildings built under the following codes and regulations:

- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

2.0 LIMITATIONS

Use in construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or a Wildland-Urban Interface Fire Area is outside of the scope of this report.