



**ARCITELL, LLC**  
**750 Edelweiss Drive NE**  
**Sugarcreek, Ohio 44681**  
**(301) 223-2266**

## QORA CLADDING

### CSI Sections:

**07 42 00 Wall Panels**

**07 42 42 Composite Wall Panels**

### 1.0 RECOGNITION

Arcitell, LLC's Qora Cladding recognized in this report has been evaluated for use as an exterior wall covering and an interior finish. The structural performance, physical characteristics, surface burning characteristics, and weather resistance properties of the Qora Cladding complies with the intent of the provisions of the following codes and regulations:

- 2021, 2018, and 2015 International Building Code® (IBC)
- 2021, 2018, and 2015 International Residential Code® (IRC)
- 2020 and 2015 ICC 700 National Green Building Standard
- 2023 Florida Building Code, Building (FBC, Building) – attached Supplement
- 2023 Florida Building Code, Residential (FBC, Residential) – attached Supplement
- 2022 California Building Code (CBC) – attached Supplement
- 2022 California Residential Code (CRC) – attached Supplement
- 2023 City of Los Angeles Building Code (LABC) – attached Supplement
- 2023 City of Los Angeles Residential Code (LARC) – attached Supplement

### 2.0 LIMITATIONS

Use of the Arcitell, LLC's Qora Cladding recognized in this report is subject to the following limitations:

**2.1 Qora Cladding** shall be installed in accordance with the applicable code, the manufacturer's published installation instructions, and this report. Where there is a conflict, the most restrictive requirements shall govern.

**2.2 Flashing and water-resistive barrier** shall be installed as required by the applicable code.

**2.3 Qora Cladding** shall be installed over solid sheathing capable of resisting the design wind pressures.

**2.4 Qora Cladding** installed on buildings Type I, II, III, and IV construction shall include applicable fire blocking as defined in Section 718.2.6 of the IBC

**2.5** The Qora Cladding recognized in this report is manufactured by Arcitell LLC in Sugarcreek, Ohio.

### 3.0 PRODUCT USE

Qora Cladding is an exterior wall covering in accordance with Section 1405 of the IBC and Chapter 7 of the IRC. The cladding is for use in Type V Construction under the IBC and on buildings constructed in accordance with the IRC. Qora Cladding may also be used in Construction Types I through IV when installed in accordance with Section 3.4 of this report.

The cladding meets the requirement of a Class A interior wall and ceiling finish material and has a flame spread index of 25 or less and a smoke development index of less than 450 when tested in accordance with ASTM E84.

**3.1 Design:** Design wind pressures shall be determined in accordance with Section 1609 of the IBC or Section R301.2.1 of the IRC, as applicable, and shall not exceed the allowable pressures tabulated in this report for use of Qora Cladding. The allowable positive and negative wind pressures for Qora Cladding are shown in Table 1 of this report. Allowable positive pressures are dependent on the capacity of the solid sheathing substrate to withstand the positive wind forces.

**3.2 Installation:** Installation of Qora Cladding shall be installed in accordance with the manufacturer's published installation instructions, the applicable code, and this report. The cladding shall be fastened to a minimum 7/16-inch-thick (11.1 mm) solid plywood structural sheathing meeting DOC PS-2 or a minimum 7/16-inch thick (11.1 mm) Exposure 1 OSB sheathing meeting DOC PS-2. substrate as described in Table 1 of this report. The cladding shall be fastened using No. 8 - 1 5/8-inch long (41.3 mm) self-drilling flat head screws spaced at a maximum of 24-inches (610 mm) on center. Cladding which is installed into thicker than 7/16-inch-thick (11.1 mm) sheathing shall use fasteners long enough to allow for a minimum of 3/4-inch (19.1 mm) penetration into the sheathing. Interior installations of the cladding shall also be installed in accordance with this section.

**3.3 Termite Resistance:** Qora Cladding has been evaluated and determined to be resistant against fungal decay and subterranean termites, including Formosan termites, when tested in accordance with ASTM D1413 and AWPA E1, respectively.

*The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with Section 104.2.3 of the 2024 IBC and Section 104.11 of previous editions. This document shall only be reproduced in its entirety.*



UNIFORM EVALUATION SERVICES



ACCREDITED PRODUCT CERTIFICATION BODY



Originally Issued: 08/06/2024

Valid Through: 08/31/2025

**3.4 Exterior Covering in Types I through IV Construction.** Qora Cladding may be installed as an exterior covering in Types I through IV construction when installed with the limitations detailed in accordance with Section 1405 of the IBC.

**3.5 ICC 700 National Green Building Standard:** Determination of the compliance of the Qora Cladding and its application within project specific conditions as it concerns ICC 700 are the responsibility of the end-user of this evaluation report. Attributes of the Qora Cladding conformed to the requirements of ICC 700-2020 Section 602.1.6 and 11.602.1.6 for termite -resistant materials. The cladding also meets the requirements for prefinished materials in accordance with ICC 700-2020 Sections 601.7 and 11.601.7 and ICC 700 2015 Sections 601.7, 11.601.7, and 12.1(A)601.7.

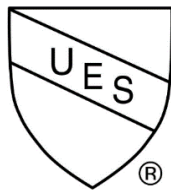
#### 4.0 PRODUCT DESCRIPTION

Qora Cladding is a wall panel which is manufactured from a fiberglass reinforced proprietary thermoset mineral resin skin and a proprietary open-cell mineral foam core. Qora Cladding is manufactured in a 1-inch -thick (25.4 mm) by 48-inches (1219 mm) long by 18 inches (457 mm) wide panel.

#### 5.0 IDENTIFICATION

Qora Cladding is identified by the Arcitell LLC’s name and trademark, product name, and evaluation report number (ER-939).

The IAPMO Uniform Evaluation Service Mark of Conformity may also be used as shown below:



**IAPMO UES ER-939**

#### 6.0 SUBSTANTIATING DATA

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

**6.2** Data in accordance with ICC-ES AC 92, Acceptance Criteria for Polymer-based, Polymer-modified and High-Pressure Laminate Exterior and Interior Wall Cladding, editorially Revised August 2021.

**6.3** Test reports in accordance with NFPA 268, Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies using Radiant Heat Energy Source.

**6.4** Test reports in accordance with AWPA E1, Standard Method for Laboratory Evaluation to Determine Resistance to Subterranean Termites.

**6.5** Test reports in accordance with ASTM D1413 Standard Test Method for Wood Preservatives by Laboratory Solid Block Cultures.

#### 7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Arcitell LLC’s Qora Cladding to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.5 of this report 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 us at [info@uniform-es.org](mailto:info@uniform-es.org)

**TABLE 1- ALLOWABLE TRANSVERSE LOAD**

Fastening	Allowable Transverse Load (psf)	
	Positive	Negative
See Section 3.2 of this report	101	13



## FLORIDA SUPPLEMENT

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## QORA CLADDING

### CSI Sections:

- 07 42 00 Wall Panels
- 07 42 42 Composite Wall Panels

### 1.0 RECOGNITION

Arcitell, LLC's Qora Cladding recognized as evaluated and represented in IAPMO UES Evaluation Report ER-939 and with changes as noted in this supplement is a satisfactory alternative for use in buildings built under the following codes (and regulations) including locations in the High-velocity Hurricane Zone:

- 2023 Florida Building Code, Building, (FBC, Building)
- 2023 Florida Building Code, Residential (FBC, Residential)

### 2.0 LIMITATIONS

Use of Qora Cladding recognized in this report is subject to the following limitations:

**2.1** Design and installation shall be in accordance with Chapter 14 of the Florida Building Code, Building and Chapter 3 of the Florida Building Code, Residential, as applicable.

**2.2** Verification shall be provided that a quality assurance agency audits the manufacturer's 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).

**2.3** This supplement expires concurrently with ER-939.

### 3.0 PRODUCT USE

Qora Cladding may be used in any location, including the provisions of the High Velocity Hurricane Zones (HVHZ) when installed in accordance with this section. The cladding shall be installed over vertically installed <sup>5</sup>/<sub>8</sub> -inch-thick solid plywood structural sheathing complying with DOC PS-1 with wood stud spacing no greater than 16-inches (406 mm) on-center. The 2 by 4 wood studs shall have a minimum specific gravity of 0.42. No. 8 by 3-inch (72.6 mm) bugle head wood screws shall penetrate the wood sheathing and be

installed into each stud. A minimum of 8 fasteners per panel shall be installed. When installed in accordance with this section, the cladding has been evaluated for a negative allowable design pressure of 100 psf.

### 4.0 SUBSTANTIATING DATA

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

**4.2** Test reports in accordance with TAS 202 and 203.

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



## CALIFORNIA SUPPLEMENT

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- 07 42 42 Composite Wall Panels**

### 1.0 RECOGNITION

Arcitell, LLC's Qora Cladding recognized as evaluated and represented in IAPMO UES Evaluation Report ER-939 and with changes as noted in this supplement is a satisfactory alternative for use in buildings built under the following codes (and regulations):

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)

### 2.0 LIMITATIONS

Use of the Arcitell, LLC's Qora Cladding recognized in this report is subject to the following limitations:

**2.1** The design, installation and conditions of use and identification of the Qora Cladding shall be in accordance with the 2021 International Building Code or the 2021 International Residential Code, as applicable, as noted in ER-939.

**2.2** Design and installation shall be in accordance with Chapters 16 of the CBC and Chapter 7 of the CRC.

**2.3** This supplement expires concurrently with ER-939.

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



## CITY OF LOS ANGELES SUPPLEMENT

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#### 1.0 RECOGNITION

Arcitell, LLC's Qora Cladding recognized as evaluated and represented in IAPMO UES Evaluation Report ER-939 and with changes as noted in this supplement is a satisfactory alternative for use in buildings built under the following codes (and regulations):

- 2023 City of Los Angeles Building Code (LABC)
- 2023 City of Los Angeles Residential Code (LARC)

#### 2.0 LIMITATIONS

Use of the Arcitell, LLC's Qora Cladding recognized in this report is subject to the following limitations:

**2.1** The design, installation, and conditions of use, and identification of the Qora Cladding shall be in accordance with the 2021 International Building Code or the 2021 International Residential Code, as applicable, as noted in ER-939.

**2.2** Design and installation shall be in accordance with Chapters 14 and 16 of the LABC or Chapter 3 of the LARC, as applicable.

**2.3** This supplement expires concurrently with ER-939.

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