

ICC-ES Evaluation Report

ESR-1942


Reissued March 2024

Revised November 2024

Subject to renewal March 2025

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.

Copyright © 2024 ICC Evaluation Service, LLC. All rights reserved.

<p>DIVISION: 04 00 00— MASONRY</p> <p>Section: 04 71 00— Manufactured Brick Masonry</p> <p>Section: 04 73 00— Manufactured Stone Masonry</p>	<p>REPORT HOLDER:</p> <p>WESTLAKE ROYAL BUILDING PRODUCTS (USA) INC. dba WESTLAKE ROYAL BUILDING PRODUCTS</p>	<p>EVALUATION SUBJECT:</p> <p>DUTCH QUALITY STONE ADHERED VENEER</p>	
---	---	--	---

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2024, 2021, 2018, 2015 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015 [International Residential Code® \(IRC\)](#)

Properties evaluated:

- Veneer strength and durability
- Thermal resistance

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

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

3.0 DESCRIPTION

The veneer is a precast concrete product made to resemble natural stone in color and in texture. The concrete is composed of cement, aggregate, water, admixtures and coloring. The veneer units are molded and cured at the plant. Evaluated styles and accessories are as follows:

Styles	Drystack, Fieldstone, LedgeStone, Limestone, River Rock, Rough Ashlar, Stack Ledge, Tuscan Ridge, Weather Ledge, Weathered Plank 4, Weathered Plank 6
Accessories	Row Locks 4x5, Row Locks 5.7, Half Brick, Full Brick, Flat Window Trim, Jack Arch Wings, Receptacle Block, Light Block, Water Hydrant, Circle Vent, Arch Top Vent, Address Block

The stone veneer has an *R*-value of 0.42 when tested in accordance with ASTM C177 at a thickness of 1.5 inches (38 mm).

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 Sections, 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 Design:

The veneer units described in this report comply with ASTM C1670 which is referenced in TMS 402-22 (for the 2024 IBC), 2021 and 2018 IBC Section 2103.1 and 2024, 2021 and 2018 IRC Section R606.2.6. The veneer units also comply with the unit dimensional limitations for prescriptively designed adhered veneer in Section 13.3.2.2 of TMS 402-22.

The saturated weight of the veneer units does not exceed 15 pounds per square foot (73.2 kg/m²). The weight of the mortar setting bed and scratch coat are outside the scope of this report.

Under the 2024 IBC and IRC, the detailing of the veneer must address the effects of differential movement, as required by Section 13.1 of TMS 402-22. Deflection of horizontal members supporting the veneer must be limited in accordance with Section 13.1.2.3 of TMS 402-22. Expected out-of-plane deflection of the supporting wall must comply with Section 13.3.1.2 of TMS 402-22.

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 the veneer, must be designed to limit deflection to $1/600$ of the span.

Expansion or control joints used to limit the effect of differential movement of veneer 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.

In jurisdictions adopting the IRC, where the seismic provisions of Section R301.2.2 apply, the average weight of the wall supporting the 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, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3.

4.2 Installation:

Installation of Dutch Quality Stone Adhered Veneer 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. Installation must be in accordance with IBC Section 1404.11 (2021 and 2018 IBC Section 1404.10; 2015 IBC Section 1405.10) or IRC Section R703.12, as applicable.

4.3 Special Inspection:

Under the 2024 IBC, special inspection requirements for installation of adhered masonry veneer are addressed in Table 4 of TMS 602-22, referenced in 2024 IBC Section 1705.4.

5.0 CONDITIONS OF USE:

The Dutch Quality Stone adhered 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 The veneer units are manufactured and identified as described in this report.
- 5.2 Dutch Quality Stone Adhered Veneer is manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Adhered Manufactured Stone Masonry Veneer \(AC51\)](#), dated June 2018 (Editorially revised February 2024).
- 6.2 Report of testing in accordance with ASTM C177.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-1942) along with the name, registered trademark, or registered logo of the report holder (Westlake Royal Stone) must be included in the product label.
- 7.2 In addition, each package of veneer is identified with the brand name (Dutch Quality Stone), the product name and the style name.
- 7.3 The report holder's contact information is the following:

WESTLAKE ROYAL BUILDING PRODUCTS (USA) INC. dba WESTLAKE ROYAL BUILDING PRODUCTS
2801 POST OAK BOULEVARD, SUITE 600
HOUSTON, TEXAS 77056
(855)769-2585
www.royalbuildingproducts.com/boral