



Product Evaluation

EC80 | 0916

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-80

Effective Date: September 1, 2016

Reevaluation Date: August 2020

Product Name: Adhered Manufactured Stone Veneer (Precast Stone Veneer)

Manufacturer: Eldorado Stone, LLC
1200 Industry Street
Everett, WA 98203
(425) 407-0107

This product evaluation applies to the following adhered manufactured stone veneer patterns:

Ashlar	Bluffstone	Broken Top	Castlestone
Cliffstone	Coarsed Stone	Coastal Ledge	Coastal Reef
Cobblestone	Country Rubble	Cut Course Stone	Cypress Ridge
European Ledge	Fieldledge	Hillstone	Ledgecut ₃₃
Limestone	Mountain Ledge	Mountain Ledge Panel	River Rock
Roughcut	Rustic Ledge	Shadow Rock	Stacked Stone
Top Rock	Weather Edge		

General Description:

Eldorado Stone adhered manufactured stone veneer are precast lightweight concrete products that resemble natural stone in color and in texture. The stone products are used as adhered, non-loadbearing exterior veneer.

Limitations:

Design Pressure: -73.3 psf

Wall Pressure: The Eldorado Stone adhered manufactured stone veneer is not to be used as wall bracing.

Installation:**General Installation Requirements:**

All fasteners must be corrosion resistant.

Installation Guide: Install the adhered manufactured stone veneer in accordance with this evaluation report and the "Installation Guide and Detailing Options for Compliance with ASTM C1780 for Adhered Manufactured Stone Veneer," published by the Masonry Veneer Manufacturer's Association, 4th Edition, 3rd printing. The document is referred to as the Guide in this evaluation report.

Wall studs and framing: Wall framing must be capable of resisting the design loads specified in each assembly. Wall framing members must be minimum Douglas Fir-Larch 2x4 dimension lumber. Space the wall framing members a maximum of 16" on center.

Wall Sheathing: The exterior surface of the wall framing must be sheathed with wood structural panels (either minimum 1/2" plywood or minimum 7/16" OSB).

Water-Resistive Barrier: Install a water-resistive barrier (WSB) over the wall sheathing in accordance with the Guide and either Section R703.6.3 of the IRC or Sections 1404.2 and 2510.6 of the IBC.

Lathe: The lathe must be minimum 2.5lb/yd² self-furring corrosion resistant diamond mesh conforming to ASTM C847. The lathe is to be installed over the water-resistive barrier. The lathe is secured to the wall studs with minimum 16-gauge staples with a crown width of 3/4" and a sufficient length to penetrate into the wall studs a minimum of 3/4". The staples must be spaced a maximum of 6" on center.

Scratch Coat: Type N or Type S mortar complying with ASTM C926. Applied over the lathe to a minimum thickness of 1/2". Apply the mortar in accordance with the Guide.

Manufactured Stone Veneer: The manufactured stone veneer must be applied in accordance with the Guide.

Note: Keep the manufacturer's installation instructions (the Guide) available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.