

Product Evaluation

LVR15 | 0321

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: LVR-15

Effective Date: March 1, 2021

Re-evaluation Date: March 2025

Product Name: Models EME6625D Louver, Impact Resistant

Manufacturer: Ruskin
Air & Sound Control
3900 Doctor Greaves Road
Grandview, MO 64030
(816) 761-7476

General Description:

The Model EME6625D is a 6" deep vertical bladed hurricane impact rated louver for both rectangular and shaped louver assemblies. The minimum size of the louver is 12" wide x 12" high. The maximum single section size for the louvers is 48" wide x 96" high. Various shaped louvers are permitted as long as they fit within the inscribed dimensions of the single section shaped louver. These vertical bladed louvers are uniquely designed to capture and channel large amounts of wind driven water before entering the building. It is listed and meets the requirements set out in AMCA550 for high velocity wind driven rain.

Limitations:

Design Drawings: The louvers must be installed in accordance with the following Ruskin Air & Control drawing:

Install in accordance with drawing No. 60-022424-00D; sheets 1 thru 13; dated March 16, 2018; Revision A; dated January 15, 2021; signed and sealed by Melissa Massar, P.E. on January 19, 2021.

Design Pressure Rating: The design pressure rating for the louver is listed in Table 1:

Table 1: Design Wind Pressure

Assembly	Maximum Single Section Width	Maximum Single Section Height	Allowable Design Pressure Rating (psf)
EME6625D	48"	96"	±160

Blade Support: Refer to the design drawings for requirements on blade support.

Product Identification: Each unit must bear a permanent label containing the manufacturer's name (RUSKIN Co.); the drawing number; the product model number; the design pressure rating; the test standards (TAS 201-94, TAS 202-94, TAS 203-94); and the missile level rating (Large Missile Rated).

Impact Resistance: These louver assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris. The louver assemblies passed an impact standard equivalent to Missile Level D specified in ASTM E 1996-14a. The louvers may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. These louver assemblies will not need to be protected with an impact protective system.

Acceptance of Smaller Assemblies: Louver assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

Shaped Louvers: Various shaped louvers are permitted as long as they fit within the inscribed dimensions of the single section shaped louver, dimensions specified in Table 1.

Acceptance of Larger Assemblies: Multiple louvers may be placed side-by-side (i.e., the width is unlimited). The maximum height for the louvers is the same as the Maximum Single Section Height specified in Table 1. Refer to the approved drawings for specific geometry limitations.

Installation:

All requirements specified in the IRC and the IBC must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Anchorage: The louvers must be installed in accordance with the approved drawings.

Note: Keep the manufacturer's installation instructions and the approved drawings referenced in this evaluation report available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.