

## Product Evaluation

LVR24 | 0521

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-24

**Effective Date:** May 1, 2021

**Re-evaluation Date:** May 2025

**Product Name:** Model HZ700MD Louver, Impact Resistant

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

### General Description:

The Model HZ700MD is a 7" deep combination louver with a 4" front horizontal louver and a 3" rear vertical louver hurricane impact assembly. The minimum single section size is 12" x 12". The maximum single section size for the louvers is 60" wide x 120" high. An unlimited width can be obtained by placing single section louvers side by side. These horizontal bladed louvers have closely spaced vertical blades that prevent the penetration of wind driven rain. 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. 60-022580-00B; sheets 1 thru 10; dated October 30, 2020; 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)
HZ700MD	60"	120"	±130

**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 (AMCA 540-13); and the missile level rating (Missile Level E).

**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 E 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.

**Acceptance of Larger Assemblies:** Multiple louvers may be placed side-by-side (i.e., the width is unlimited). The louvers may be stacked vertically; however, a structural member must be designed between the upper and lower louvers.

**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.