TDI | Texas Department of Insurance

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Product Evaluation

LVR14 | 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-14

Effective Date: March 1, 2021
Re-evaluation Date: March 2025

Product Name: Models ELC6375DXD Combination Louver, Impact Resistant

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

General Description:
The Model ELC6375DXD is a 6" deep hurricane rated combination louver. The louver includes a fixed front stationary blade and a rear adjustable blade. The minimum section size is 12" x 12" and the maximum section size is 55" x 120". The louver is designed with a gutter system channeling water from the blades to downspouts in the jambs, where water is exhausted out the front of the louver. The louver has excellent free area when the rear louver blades are fully open and can operate completely closed for tight airflow shutoff.

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

Install in accordance with drawing No. 60-022427-00B; sheets 1 thru 16; dated October 22, 2018; Revision A; dated December 11, 2020; signed and sealed by Melissa Massar, P.E. on January 15, 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)
ELC6375DXD	55"	120"	±110

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.

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.