



Product Evaluation

LVR14 | 0417

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: April 1, 2017

Re-evaluation Date: December 2020

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:

Model No: ELC6375DXD: The ELC6375DXD is a combination operable louver with a fixed blade in the rear. The sizes tested were: one 55" x 120" single section assembly and one 55" x 75.75" single section assembly. The blades resist the wind load and transfer the load into the supports running perpendicular to the blades. The supports resist this wind load in bending and transfer the load into the perimeter wood, steel, or concrete structure.

Limitations:

Design Drawings: The louvers must be installed in accordance with Ruskin Air & Control Drawings shown in Table 1.

Table 1

Model Number	Drawing Number	Sealed, Signature, Sheets
ELC6375DXD	60-022427-00B	Sealed by Chelsea G. Welch, February 8, 2016 Sheets 1-9, of 9 dated February 05, 2016

Table 2
Design Wind Pressure

Assembly	Maximum Single Section Width	Maximum Single Section Height	Allowable Design Pressure Rating
ELC6375DXD	55"	120"	±110 psf

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, series number of louver, and applicable standards.

Impact Resistance: These louver assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in both the Inland I zone and the Seaward zone. The louver assemblies passed an impact standard equivalent to Missile Level E specified in ASTM E 1996-04. 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.

Installation Instructions

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

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