



# Product Evaluation

GDR108 | 1215

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:** GDR-108

**Effective Date:** December 1, 2015

**Re-evaluation Date:** October 2019

**Product Name:** SG 4000 U Rolling Aluminum Slat Door, Impact Resistant

**Manufacturer:** Hormann-Flexon, LLC  
117 Starpoint Boulevard  
Burgettstown, PA 15021  
(800) 365-3667

## General Description:

The SG 4000 U doors are commercial aluminum slat doors that consist of the following:

**Curtain:** Single curtain consisting of 8" tall by 1-5/8" thick, hollow, tongue and groove aluminum extrusions (0.070" thick) that span between the guides located on each side of the opening.

**Guides:** Extruded aluminum roller track secured to a steel retaining angle. A guide is required on each side of the door. The guides are continuous from the bottom to the top of the door.

**Rollers:** One roller at each end of the slat.

## Limitations:

**Maximum Door Width:** 16'-0"

**Maximum Door Height:** 24'-0"

**Glazing:** Not permitted.

**Allowable Design Pressure Rating:** ±50 psf.

**Product Identification:** The rolling door assemblies have a label that identifies the manufacturer, the model number, the design pressure rating, and the test standards: ASTM E 330-02 or ANSI/DASMA 108-05, ASTM E 1886-05, ASTM E 1996-12.

**Impact Resistance:** The doors listed in this report satisfy TDI's criteria for protection from windborne debris in the **Inland I zone** and the **Seaward zone**. The door assemblies passed Missile Level D as specified in ASTM E 1996. The door assemblies will not need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

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

**Installation:**

**General:** Install these doors in accordance with the manufacturer's published installation instructions, the approved drawings, and this product evaluation report. A copy of the approved drawings and the manufacturer's installation instructions must be available at all times at the job site during installation. The information within this evaluation report governs if there are any conflicts between the manufacturer's instructions and this evaluation report.

**Design Drawings:** The rolling doors must be installed in accordance with the following:

- "Hormann-Flexon SG 4000 U Rolling Aluminum Slat Door," Sheets 1 thru 3 of 3, dated September 8, 2014, signed, sealed, and dated September 9, 2014, by Joseph A. Reed, P.E. The stated drawings will be referred to as approved drawings in this report. A copy of the approved drawings must be available at the job site.

**Wall Construction:** The rolling doors may be mounted to the following types of wall framing:

- Cast-in-place concrete (minimum 3,000 psi)
- Steel, minimum 3/16" thick A36 steel

**Anchorage:** The doors must be installed as specified in the approved drawing.

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