

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION GDR-77

Effective June 1, 2011

*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 shall be subject to reevaluation June 2015.*

*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.*

**Series SD10 Rolling Doors, Non-Impact, as manufactured by:**

**Janus International Corporation**  
**134 Janus International Blvd.**  
**Temple, Georgia 30179-4435**  
**(866) 562-2580**  
[www.janusintl.com](http://www.janusintl.com)

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation and the approved drawings that are referenced in this evaluation report.

## PRODUCT DESCRIPTION

This evaluation report is for the following rolling doors:

**System 1: F8265 slat doors per Janus drawing RS9003**  
**System 2: C8275 slat doors per Janus drawing RS9004**  
**System 3: C8187 slat doors per Janus drawing RS9006**

**General:** Janus Rolling Doors are made up of steel slats that span between the guides located on each side of an opening. The slats may be constructed of 20 or 22 gauge material. The dimensions of the formed slats are: F8265 -  $2\frac{1}{32}$ " deep and  $2\frac{5}{8}$ " pitch; C8275 -  $2\frac{3}{32}$ " deep and  $2\frac{29}{32}$ " pitch; and C8187 -  $\frac{1}{2}$ " deep and  $2\frac{3}{64}$ " pitch. The slats are manufactured from ASTM A 653 GR 40 zinc coated steel and are pre-painted with a full coat of primer and baked siliconized polyester finish coat. Windlocks are attached to both ends of every other slat. Guides are three piece structural steel angles with wind bar. Bottom bar is extruded aluminum shape or double structural steel angle construction. Extruded aluminum bottom bar use is limited to a maximum of 16'-4" opening width. Sheets 1 and 2 of the approved drawings show the details of the door construction, guides, various components, and specific door requirements based on curtain type, opening widths, and design pressure requirements.

## LIMITATIONS

**Design Drawings:** The rolling doors shall be installed in accordance with Janus International Corporation drawing RS9003, RS9004, and RS9006, sheets 1 and 2 of 2, signed and sealed by Joseph H. Dixon, P.E. on October 2, 2010. Drawing RS9003 is dated April 29, 2009, and drawings RS9004 and RS9006 are dated June 15, 2009. The stated drawings will be referred to as approved drawings in this report. A copy of the approved drawings shall 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  $\frac{3}{16}$ " thick, A36

**Maximum Opening Width:** 24'-4"

**Maximum Opening Height:** 30'-0"

**Glazing:** Not permitted.

**Allowable Design Pressure Rating:**  $\pm 23.9$  psf to  $\pm 69.2$  psf. Refer to table on the approved drawings for the construction of the door and allowable span with the associated allowable design pressure rating.

**Product Identification:** A label will be affixed to the rolling door. The label shall include the name, series, or model number of the door; the name of the door manufacturer; the design pressure rating for the door; and compliance with either ASTM E 330 or ANSI/DASMA 108.

**Impact Resistance:** These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These door assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**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 INSTRUCTIONS

**General Installation Requirements:** The rolling doors shall be installed in accordance with the manufacturer's installation instructions, the approved drawings, and this product evaluation report.

**Anchorage:** The rolling doors shall be anchored to the structure in accordance with the approved drawings. Anchorage of rolling doors to concrete or steel shall follow the mounting details on the approved drawings and the fasteners specified in the mounting details. Minimum edge distances and minimum embedment depths for all fasteners that penetrate into the structure shall be as specified on the design drawings.

**Note:** The manufacturer's installation instructions and as build drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.