

TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

Effective July 1, 2011

GDR-79

*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.

14'-2" Maximum Wide, 24 Gage Slat, HV-1460 Roll-Up Door, Impact Resistant, as manufactured by:

Rolling Door Industries, LLC
8214 NW 64th Street
Miami, FL 33166
(305) 599-9977
www.rolling-door.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

General: Rolling Door Industries, LLC roll-up overhead doors are made up of plain or insulated steel slats that span between the guides located on each side of an opening. The slats are constructed of 24 gauge material. The overall slat dimension are 0.620" deep and 0.560" deep at the top and bottom, respectively, and 3.120" high, and are manufactured from ASTM A 653 Grade 40 structural steel with G 90 galvanization, or AISI 304 stainless steel with a minimum yield strength of 47.0 ksi.

LIMITATIONS

Design Drawings: The rolling doors shall be installed in accordance with Rolling Door Industries, LLC Drawing No. 11-023, Sheets 1, 1A, 2 and 3 of 3, dated March 4, 2011, revised May 20, 2011, with each sheet signed, sealed, and dated by Walter A. Tillit, Jr., P.E. on May 23, 2011. 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 f'c = 3 ksi, 4 ksi or 6 ksi)
- Steel, minimum 1/8" thick, ASTM A36

Maximum Door Width: 14'-2"

Maximum Opening Height: 27'-0"

Glazing: Not permitted.

Allowable Design Pressure Rating: ± 30 psf to ± 60 psf. Refer to sheets 1A and 3 of 3 on the approved drawings for the maximum allowable design pressure, door width, and reactions; welding specifications for mounting to steel construction and anchor spacing for mounting to concrete construction.

Product Identification: The rolling door assemblies shall have a label that identifies the manufacturer, the name of the product, compliance with ASTM E 330, ASTM E 1886 and ASTM E 1996, and the maximum design pressure rating.

Impact Resistance: The doors listed in this report satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and the **Seaward zone**. The door assemblies passed the equivalent of Missile Level D as specified in ASTM E1996-04. 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.