

Product Evaluation

DR850 | 0220

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: DR-850

Effective Date: February 1, 2020

Re-evaluation Date: February 2024

Product Name: 6'8" and 8'0" Steel Masonite Side Hinged Doors, Opaque, Singles w/ or w/out Sidelites, and Doubles, Inswing and Outswing, Non-Impact Resistant

Manufacturer: Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
(336) 668-2472

General Description:

| System | Description | Label Rating | Drawing Number |
|--------|--|---|----------------|
| 1 | 3'0" x 6'8" Single Door (X) | <p>Pine Frame Inswing: +50 / -50 psf Outswing: +70 / -70 psf</p> <p>Fusion Frame Inswing: +50 / -50 psf Outswing: +60 / -65 psf</p> | TX-4651 |
| 2 | 3'0" x 6'8" Single Door w/ Sidelites (OXO) | <p>Pine Frame Inswing: +50 / -50 psf Outswing: +70 / -70 psf</p> <p>Fusion Frame Inswing: +50 / -50 psf Outswing: +60 / -65 psf</p> | TX-4652 |

General Description (continued):

| System | Description | Label Rating | Drawing Number |
|--------|---|---|----------------|
| 3 | 6'0" x 6'8" Double Door (XX); Ultimate Hurricane Astragal | Pine Frame Inswing: +50 / -50 psf Outswing: +55 / -55 psf Fusion Frame +50 / -50 psf | TX-4653 |
| 4 | 6'0" x 6'8" Double Door (XX); Ultimate Multipoint Astragal | Pine Frame Inswing: +50 / -50 psf Outswing: +45 / -45 psf Fusion Frame Inswing: +50 / -50 psf Outswing: +45 / -45 psf | TX-4653 |
| 5 | 3'0" x 8'0" Single Door (X) | Inswing: +40 / -40 psf Outswing: +45 / -45 psf | TX-4654 |
| 6 | 3'0" x 8'0" Single w/ Sidelites (OXO) | Inswing: +40 / -40 psf Outswing: +45 / -45 psf | TX-4655 |
| 7 | 6'0" x 8'0" Double Doors (XX) | <u>Ultimate Hurricane Astragal</u> Inswing: +40 / -40 psf Outswing: +45 / -45 psf <u>Ultimate Multipoint Astragal</u> Inswing: +40 / -40 psf Outswing: +30 / -30 psf | TX-4656 |

Component Dimensions:

| System | Overall Size | Panel Size | Maximum Daylight Opening Size |
|--------|---|-----------------|-------------------------------|
| 1 | Inswing: 37.5" x 82" Outswing: 37.5" x 81.125" | 35.75" x 79.25" | N/A |
| 2 | Inswing: 112.25" x 82" Outswing: 112.25" x 81.125" | 35.75" x 79.25" | Sidelite: 21" x 63" |
| 3-4 | Inswing: 74" x 82" Outswing: 74" x 81.125" | 35.75" x 79.25" | N/A |
| 5 | Inswing: 37.5" x 98" Outswing: 37.5" x 97.125" | 35.75" x 95.25" | N/A |
| 6 | Inswing: 112.25" x 98" Outswing: 112.25" x 97.125" | 35.75" x 92.25" | Sidelite: 21.13" x 79.13" |
| 7 | Inswing: 74" x 98" Outswing: 74" x 97.125" | 35.75" x 95.25" | N/A |

Hardware:

| System | Component | Quantity | Attachment Method |
|--------|---|--------------------------------------|--|
| 1-2 | 4" Hinge | 3 | Install according to Endura drawing TX-4651 and TX-4652 dated November 8, 2016; Revision 1 dated October 28, 2019. Signed and sealed by Lyndon F. Schmidt, P.E. on October 29, 2019. |
| | Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991) | 1 each | |
| | Latch Strike Plate | 1 | |
| | Deadbolt Strike Plate | 1 | |
| 3-4, 7 | 4" Hinge | 3 for 6'8" doors 4 for 8'0" doors | Install according to Endura drawing TX-4653 and TX-4656 dated November 8, 2016; Revision 2 dated October 28, 2019. Signed and sealed by Lyndon F. Schmidt, P.E. on October 29, 2019. |
| | Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991) | 1 each | |
| | Latch Strike Plate | 1 | |
| | Deadbolt Strike Plate | 1 | |
| 5-6 | 4" Hinge | 4 | Install according to Endura drawing TX-4654 and TX-4655 dated November 8, 2016; Revision 1 dated October 28, 2019. Signed and sealed by Lyndon F. Schmidt, P.E. on October 29, 2019. |
| | Deadbolt: Kwikset Signature Series (980/985) Latch: Kwikset Signature Series (991) | 1 each | |
| | Latch Strike Plate | 1 | |
| | Deadbolt Strike Plate | 1 | |

Product Identification (Manufacturer Label on Door):

| System | | |
|--------|----------------------|---|
| 1, 5 | Certification agency | Self-labeled by manufacturer |
| | Manufacturer's name | Endura Products, Inc |
| | Product name | Opaque Masonite Steel Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Single |
| | Test standards | ASTM E330-14 |
| 2, 6 | Certification agency | Self-labeled by manufacturer |
| | Manufacturer's name | Endura Products, Inc |
| | Product name | Opaque Masonite Steel Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Single w/ Sidelites |
| | Test standards | ASTM E330-14 |

Product Identification (Manufacturer Label on Door) - (continued):

| System | | |
|--------|----------------------|---|
| 3-4, 7 | Certification agency | Self-labeled by manufacturer |
| | Manufacturer's name | Endura Products, Inc |
| | Product name | Opaque Masonite Steel Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Doubles |
| | Test standards | ASTM E330-14 |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1-7 | No | Provide an impact protective system when installing the product in areas that require windborne debris. |

Installation:

| System | | |
|----------|---------------------------|---|
| 1-2, 5-6 | Type of installation | Install according to Endura drawing TX-4651, TX-4652, TX-4654, and TX-4655 dated November 8, 2016; Revision 1 dated October 28, 2019. Signed and sealed by Lyndon F. Schmidt, P.E. on October 29, 2019. |
| | Wall framing | |
| | Fasteners | |
| | Fastener embedment | |
| | Fastener location/spacing | |
| 3-4,7 | Type of installation | Install according to Endura drawing TX-4653 and TX-4656 dated November 8, 2016; Revision 2 dated October 28, 2019. Signed and sealed by Lyndon F. Schmidt, P.E. on October 29, 2019. |
| | Wall framing | |
| | Fasteners | |
| | Fastener embedment | |
| | Fastener location/spacing | |

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