

Product Evaluation

DR550 | 0121

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 1-800-248-6032.

Evaluation ID: DR-550

Effective Date: January 1, 2021

Re-evaluation Date: May 2023

Product Name: Integrity Fiberglass Clad Wood French Sliding Doors, Fin and Frame Installation, Non-Impact Resistant

Manufacturer: Integrity Windows and Doors
1320 9th Street NE
West Fargo, ND 58078
(800) 587-2712

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Integrity Clad Wood French Sliding Doors (OXO)	LC-PG30 (142.5 x 95.5)-SD	+30 / -30 psf
2	Integrity Clad Wood French Sliding Doors (OOX/XOO)	LC-PG30 (142.5 x 95.5)-SD	+30 / -30 psf
3	Integrity Clad Wood Sliding Glass French Door; (OXXO)	LC-PG30 (189 x 86)-SD	+30 / -30 psf
4	Integrity Clad Wood Sliding Glass French Door; (OXXO)	LC-PG30 (189 x 95.5)-SD	+30 / -30 psf
5	Integrity Clad Wood Sliding Glass French Door; (OOX)	LC-PG30 (107 x 96)-SD	+30 / -30 psf
6	Integrity Clad Wood Sliding Glass French Doors; (OXO)	LC-PG30 (107 x 96)-SD	+30 / -30 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
7	Integrity Clad Wood Sliding French Door; (OOX)	LC-PG50 (107 x 96)-SD	+50 / -50 psf
8	Integrity Clad Wood Sliding French Door; (OXO)	LC-PG50 (107 x 96)-SD	+50 / -50 psf
9	Integrity Clad Wood Sliding French Door; (OXO)	LC-PG40 (107 x 86)-SD	+40 / -40 psf
10	Integrity Clad Wood Sliding French Door; (OOX)	LC-PG40 (107 x 86)-SD	+40 / -40 psf
11	Integrity Clad Wood French Sliding Doors	LC-PG50 (95 x 95.5)-SD	+30 / -30 psf
12	Integrity Clad Wood French Sliding Doors	LC-PG30 (95 x 95.5)-SD	+50 / -50 psf
13	Integrity Clad Wood French Sliding Doors	LC-PG40 (95 x 86)-SD	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1-2	142-1/2" x 95-1/2"	47-5/8" x 92-11/16"	40-3/8" x 83-3/32"
3	189" x 86"	47-5/8" X 83-3/16"	40-3/8" X 73-1/2"
4	189" x 95-1/2"	47-5/8" X 92-13/16"	40-3/8" X 83-1/16"
5-8	106-1/2" x 95-1/2"	35-5/8" X 92-11/16"	28-3/8" X 83-1/16"
9-10	106-1/2" x 86"	35-5/8" X 83-3/16"	28-3/8" X 73-9/16"
11	95" x 95-1/2"	47-5/8" X 92-11/16"	40-3/8" X 83-1/16"
12	95" x 95-1/2"	47-5/8" X 92-1/16"	40-3/8" X 82-7/16"
13	95" x 86"	47-5/8" X 83-3/16"	40-3/8" X 73-9/16"

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Integrity Windows and Doors
	Product name	Integrity Sliding French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11, -17
3-13	Certification agency	WDMA
	Manufacturer's name or code name	Integrity Windows and Doors
	Product name	Integrity Sliding French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, -11

Impact Resistance:

System	Impact Resistant	Requirement
1-13	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**Nail Fin and Frame Installation (System 1):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jambs approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the head jamb, locate one screw through panel guide at approximately 42-3/4", one screw through stationary bracket at approximately 49-1/4", one screw through panel guide at approximately 90-1/4", and one screw through other stationary bracket at approximately 93-3/16" from the stationary interlock jamb. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 2):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jambs approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the head jamb, locate one (1) screw through the top stationary panel bracket at approximately 96-29/32" and three screws through the panel guide at approximately 42-3/4", 52-1/4", and 90-1/4" from the stationary side. Through the operator jamb, locate screws approximately 7" and 24" from the head, and approximately 8-1/2", 25-1/2", 37-21/32", 41-1/2", and 45-1/8" from the sill. Keepers must be located through the operator jamb at approximately 36-13/32", 39-17/32", 43-1/4", and 46-3/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 3-4):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 8" on center thereafter along the perimeter. Locate the screws through the stationary side jambs approximately 24" from the head and 25" from the sill. Through the head jamb, locate one (1) screw through each stationary panel bracket, one (1) through the head at each stationary

panel to operating panel meeting stile, and one (1) through the head on each side of the header strike plate. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 5, 10):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jambs approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the head jamb, locate one (1) screw through the top stationary panel brackets approximately 37-3/16" from the side jambs, one (1) screw approximately 30-3/4" from the stationary interlock jamb and one (1) screw approximately 37-3/4" from the stat jamb. Keepers must be located through the astragal approximately 36-3/8", 39-1/2", 43-1/8", and 46-5/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 6, 9):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jambs approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the head jamb, locate one (1) screw through the top stationary panel brackets approximately 72-7/8" from the stationary side jambs, one (1) screw approximately 40-1/4" from the operating jamb and one (1) screw at either side of the stat panel stiles approximately 30-3/4" and 40-1/4" from the stat jamb. Through the operator jamb, locate screws approximately 7" and 24" from the head, and approximately 8-1/2", 25-1/2", 37-21/32", 41-1/2", and 45-1/8" from the sill. Keepers must be located through the astragal approximately 36-3/8", 39-1/2", 43-1/8", and 46-5/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 7):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the side jambs approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the head jamb, locate one screw through the top stationary panel bracket approximately 49-7/32" from the stationary side jamb, and approximately 3-3/8" from each corner and

19" on center. Keepers must be located through the astragal approximately 36-3/8", 39-1/2", 43-1/8", and 46-5/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 8, 12):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jamb approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the operating side jamb, approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", 37-5/8", 41-1/2" and 45-1/8" from the sill. Through the head jamb, locate one (1) screw through the top stationary panel bracket approximately 49-7/32" from the stationary side jamb, and approximately 3-3/8" from each corner and 19" on center. Keepers must be located through the astragal approximately 36-3/8", 39-1/2", 43-1/8", and 46-5/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin and Frame Installation (System 9, 13):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing flange and minimum No. 8 x 3" screws. The nailing flange is secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. The fasteners must be spaced approximately 6" from each corner and 7" on center thereafter along the perimeter. Locate the screws through the stationary side jamb approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", and 41-1/2" from the sill. Through the operating side jamb, approximately 7" and 24" from the head and approximately 8-1/2", 25-1/2", 37-5/8", 41-1/2" and 45-1/8" from the sill. Through the head jamb, locate one (1) screw through the top stationary panel bracket approximately 49-3/16" from the stationary side jamb and approximately 52-1/4" from the operating side jamb. Keepers must be located through the astragal approximately 36-3/8", 39-1/2", 43-1/8", and 46-5/8" from the sill. No screws are used at the sill. Three (3) minimum 3/8" wide beads of Grade NS, Class 25 sealant must be at the sill between the sill plate and the door opening. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.