



The way it should be.™

**IMPACT FIBERGLASS DOOR
FLORIDA BUILDING COMMISSION (FBC) PRODUCT APPROVAL CHART (HVHZ)**

CONFIGURATION	OPERATION	GLAZING	MAXIMUM SIZE		WATER TEST PRESSURE	DESIGN PRESSURE	FBC APPROVAL	
X	In-Swing	Opaque	37.500	X	82.000	N/A	+75/-75 psf	FL15631.1
		Full View						FL15631.4
	Out-Swing	Opaque			81.125	11.25 psf		FL15631.1
		Full View						FL15631.4
XO	In-Swing	Opaque	76.500	X	82.000	N/A	+75/-75 psf	FL15631.2
		Full View						FL15631.5
	Out-Swing	Opaque			81.125	11.25 psf		FL15631.2
		Full View						FL15631.5
OX	In-Swing	Opaque	76.500	X	82.000	N/A	+75/-75 psf	FL15631.2
		Full View						FL15631.5
	Out-Swing	Opaque			81.125	11.25 psf		FL15631.2
		Full View						FL15631.5
OXO	In-Swing	Opaque	115.500	X	82.000	N/A	+75/-75 psf	FL15631.2
		Full View						FL15631.5
	Out-Swing	Opaque			81.125	11.25 psf		FL15631.2
		Full View						FL15631.5
XX	In-Swing	Opaque	74.000	X	82.000	N/A	+60/-60 psf	FL15631.3
		Full View						FL15631.6
	Out-Swing	Opaque			81.125	9.00 psf		FL15631.3
		Full View						9.75 psf

Additional Notes :

- 1) All product testing performed in accordance with TAS 201 , 202, & TAS 203
- 2) All products approved by the Florida Building Commission (FBC), for use in HVHZ designated areas

Water Performance Requirements in the State of Florida for Side-Hinged Entry Door Assemblies

What Code Applies?

Florida Building Code, Residential (IRC)

R101.2 Scope. The provisions of the *Florida Building Code, Residential* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and townhouses not more than three stories above *grade plane* in height with a separate means of egress and their *accessory structures*.

Florida Building Code (IBC)

[A] 101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, relocation, enlargement, replacement, *repair*, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exceptions:

1. Detached one- and two-family dwellings and multiple single-family *dwellings* (town houses) not more than three stories above *grade plane* in height with a separate *means of egress* and their accessory structures shall comply with the *Florida Building Code, Residential*.

What are the Requirements?

Florida Building Code, Residential (IRC)

R612.3 Testing and labeling. Exterior windows and doors shall be tested by an *approved* independent testing laboratory, and shall be labeled to indicate compliance with AAMA/WDMA/CSA 101/I.S.2/A440 or TAS 202 (HVHZ shall comply with TAS 202). Exterior side-hinged doors shall be tested and *labeled* as conforming to AAMA/WDMA/CSA 101/I.S.2/A440 or comply with Section R612.5.

Is product being installed into a HVHZ designated area?

NO

YES ——— (Reference 1710.5.1)

(Reference R612.5)

R612.5 Other exterior window and door assemblies. Exterior windows and door assemblies not included within the scope of Section R612.3 or Section R612.4 shall be tested in accordance with ASTM E 330.

Florida Building Code (IBC)

1710.5.1 Exterior windows and doors. Exterior windows and doors shall be tested by an approved independent testing laboratory, and shall be labeled to indicate compliance with the requirements of one of the following specifications: ANSI/AAMA/NWDA 101/I.S. 2 or ANSI/AAMA/WDMA/101/I.S.2/NAFS or AAMA/WDMA/CSA101/I.S.2/A440 or TAS 202 (HVHZ shall comply with TAS 202 utilizing ASTM E 1300 or Section 2404).

Exceptions:

1. Door assemblies installed in nonhabitable areas where the door assembly and area are designed to accept water infiltration need not be tested for water infiltration.
2. Door assemblies installed where the overhang (OH) ratio is equal to or more than 1 need not be tested for water infiltration. The overhang ratio shall be calculated by the following equation:

$$\text{OH ratio} = \text{OH Length} / \text{OH Height}$$

Where:

OH length = The horizontal measure of how far an overhang over a door projects out from door surface.

OH height = The vertical measure of the distance from the door sill to the bottom of the overhang over a door.

1710.5.2 Exterior windows and door assemblies not provided for in Section 1710.5.1. Exterior window and door assemblies shall be tested in accordance with ASTM E 330 or TAS 202. HVHZ shall comply with TAS 202.

Exceptions:

1. Door assemblies installed in nonhabitable areas where the door assembly and area are designed to accept water infiltration need not be tested for water infiltration.
2. Door assemblies installed where the overhang (OH) ratio is equal to or more than 1 need not be tested for water infiltration. The overhang ratio shall be calculated by the following equation:

$$\text{OH ratio} = \text{OH Length} / \text{OH Height}$$

Where:

OH length = The horizontal measure of how far an overhang over a door projects out from door surface.

OH height = The vertical measure of the distance from the door sill to the bottom of the overhang over a door.

What does it all mean?

Florida Building Code, Residential (IRC)

Water performance is not required.

Florida Building Code (IBC)

All products installed where the (OH) Overhang Ratio equal to or greater than 1, water performance is not required.

Please feel free to contact me with any questions you may have or additional information you may need.

Regards,

Testing & Regulatory Manager
Wincore Windows & Doors