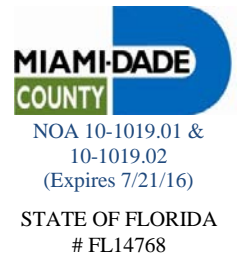




LANAI DOORS™ HURRICANE ALUMINUM FOLDING SYSTEMS

Miami-Dade County HVHZ & ASTM
DP-70 Rated (165 mph) Product Specifications



Miami-Dade TAS 201-94/202-94/203-94 & ASTM E 283-04/330-02/331-00/1886-05/1996-05 Tested

Standard Threshold

- Air Infiltration:**
 - 1.57 psf – 0.02 cfm/ft² outswing
 - 0.03 cfm/ft² inswing
 - 6.24 psf – 0.05 cfm/ft² outswing
 - 0.07 cfm/ft² inswing
- Water Infiltration:** 8.25 psf outswing
- Design Pressure:**
 - +100.0/-80.0 psf outswing
 - +80.0/-100.0 psf inswing
- Impact & Cycling:** ±90 psf outswing & inswing

Lowrise & Flush Lowrise Threshold

- Air Infiltration:**
 - 1.57 psf – 0.17 cfm/ft² outswing
 - 0.16 cfm/ft² inswing
- Design Pressure:** ±70 psf outswing & inswing
- Impact & Cycling:** ±70 psf outswing & inswing

Forced Entry – 300 lbs test

Passed

General & Product Specifications

- United States manufacturer of folding door & window systems
- Nearly 10 years bi-fold system design & manufacturing experience
- Custom built to fit your rough opening – NO standard sizes
- Top-hung door or window systems for consistent easy rolling
- Header, jambs, thresholds, door stile & rails are made from the highest quality 6063-T5 aluminum
- Maximum panel sizes – 36" (914 mm) wide, 96" (2438 mm) tall
- Maximum number of panels – 16 (8 in each direction)
- Inswing or outswing systems (160 different configurations)
- Slim panel profiles with 2-15/16" (75 mm) wide stiles, 3-9/16" (90 mm) wide top & bottom rails and 1-3/4" (44 mm) panel thickness
- Optional rail heights:
 - 7-3/16" (183 mm) & 10-13/16" (274 mm)
- 4-3/8" (111 mm) jamb thickness
- Systems are shipped in crates with panels completely assembled and glazed with hardware & weather stripping attached and frame knocked down for easy installation

Outswing & Inswing Thresholds

- Raised Standard – Outswing water tight to 8.25 psf
- Lowrise – ADA compliant
- Flush lowrise – Seamless transition from inside to out
- Finishes – Class 1 Bronze or Clear Anodized

Note – All three thresholds are considered water tight if there is an external overhang which is at least as wide as it is high (w/h ≥ 1.0)

Panels & Frame Finishing

- Class 1 Clear or Bronze Anodized
- White, Bronze, Dark Bronze, G-Brown, Sand, & Tan standard paint colors
- Optional color match paint, 70% Kynar or custom anodized colors

Centor E3 Folding Hardware



- Hinges are substantial with 4-1/8" (105mm) x 1-1/8" (29mm) surface mounted stainless steel hinge plates which are .115" (3mm) thick
- Carriers have four 1-1/2" (38mm) x 7/16" (11mm) wheels with packed ball bearings and are attached to panels with stainless steel hinges and rods with Surelock™ locking system
- Pivots are attached to panels with stainless steel hinges and rods with Surelock™ for easy horizontal and vertical adjustment
- Three finishes (stainless, stainless w/ pvd bronze & stainless w/ pvd brass)

ASSA ABLOY Locking Hardware

- Hinged Panels – Two (2) internally concealed shoot-bolt locking systems with stainless steel tipped shoot-bolts
- Man Door – Four-point locking system with a door strike, 1" (24mm) dead bolt and internally concealed shoot-bolt locking system with stainless steel tipped shoot-bolts
- Odd Numbered Strike Plate Panel – Internally concealed shoot-bolt locking systems with stainless steel tipped shoot-bolts
- External handles and gear boxes are made out of zinc alloy and handles come in four finishes (white, bronze, satin chrome & brushed chrome)

Glazing

- 1" (24 mm) insulated clear tempered glass and impact SentryGlas® for small and large missiles
- Dry marine glazed
- Options:
 - Argon gas, internal grids, LowE, Turtle Glass & other tints

Thermal Performance Testing

- Non-thermally broken
- NFRC 100-2004: U-Factor (IG Units 0.59 – 0.73)
- NFRC 200-2004: Solar Heat Gain Coefficient (IG Units 0.16 – 0.40) & Visible Transmittance (IG Units 0.28 – 0.54)