

Impact-Resistant Entrances

Series 381 Medium Stile



High Velocity Hurricane Zone (HVHZ) Applications

Series 381 Medium Stile Impact-Resistant Entrances (Wet-Glazed)

Qualified System Configuration Chart

| Design Pressure P.S.F. | Maximum Door Size | | Maximum Glass Size | | Qualified Glass Types |
|--|-------------------|---------|---|---------|-----------------------|
| | Single | Double | D.L.O. (WxH) | Sq. Ft. | |
| Series 381 Medium Stile - Large Missile Impact | | | | | |
| +70/-80 | 42 x 96 | 84 x 96 | 32 $\frac{5}{16}$ " x 81 $\frac{1}{16}$ " | 18.3 | B |

Hurricane Impact-Resistant Products Disclaimer Note

Coral's hurricane impact-resistant products meet a variety of test standards for applications in coastal construction regions satisfying the demands for wind-borne debris hazards and high-velocity winds associated with hurricanes. All of Coral's hurricane impact-resistant products are independent laboratory tested based on a variety of test standards for air infiltration, structural loads, missile impact and air-pressure cycling based on ASTM and/or Florida Building Code. The informational chart above is intended to provide recommended limits in frame heights, glass sizes and design pressures based on product testing. When exceeding conditions listed above it is recommended to consult with licensed structural engineer or contact Coral Architectural Products.

Hardware Applications

| Locking and Closer Options | | |
|----------------------------|--|------------------------|
| Active Leaf | DH072 3-Point Lock with DH078 Cylinder and DH079 Thumbturn | |
| Inactive Leaf | DH176 Steel Tip Flush Bolts (2 each) | |
| Surface Applied Closer | Heavy Duty ANSI Grade 1 (Required) | |
| Concealed Overhead Closer | ANSI Grade 1 (Required) | |
| Hinging Options | | |
| Type | Description | Quantity |
| Butt Hinges | DH110SS (Stainless Steel) 4½” x 4” | 1½ Pairs |
| Continuous Geared Hinge | DH111HD (Heavy Duty) | Full Door Height |
| Panic Exit Devices Options | | |
| First Choice* | 3692-HR ANSI Grade 1 | Concealed Vertical Rod |
| Jackson | 2086-HR ANSI Grade 1 | Concealed Vertical Rod |

*Note: Maximum tested door size 72" x 84"

Qualified Glass Types

| Glass Type | Glass Composition | | | Interlayer Manufacturer | Glass Identification |
|--------------------------------------|--|----------------------------|--|-------------------------|----------------------|
| | Exterior Lite | Interlayer | Interior Lite | | |
| $\frac{3}{16}$ " Monolithic Glass | $\frac{1}{4}$ " Heat Strengthened Glass | .090 Saflex PVB Interlayer | $\frac{1}{4}$ " Heat Strengthened Glass | Solutia | B |

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Division 8

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High Velocity Hurricane Zone (HVHZ) Applications

Series 381 Medium Stile Impact-Resistant Entrances (Dry-Glazed)

Qualified System Configuration Chart

| Design Pressure P.S.F. | Maximum Door Size | | Maximum Glass Size | | Qualified Glass Types |
|---|-------------------|---------|---|---------|-----------------------|
| | Single | Double | D.L.O. (WxH) | Sq. Ft. | |
| Series 381 Medium Stile - Large Missle Impact | | | | | |
| +70/-70 | 36 x 84 | 72 x 84 | 26 ⁵ / ₁₆ " x 69 ¹ / ₁₆ " | 12.7 | D |

Hurricane Impact-Resistant Products Disclaimer Note

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Hardware Applications

| Locking and Closer Options | | |
|----------------------------|--|------------------------|
| Active Leaf | DH072 3-Point Lock with DH078 Cylinder and DH079 Thumbturn | |
| Inactive Leaf | DH176 Steel Tip Flush Bolts (2 each) | |
| Surface Applied Closer | Heavy Duty ANSI Grade 1 (Required) | |
| Concealed Overhead Closer | ANSI Grade 1 (Required) | |
| Hinging Options | | |
| Type | Description | Quantity |
| Butt Hinges | DH110SS (Stainless Steel) 4½" x 4" | 1½ Pairs |
| Continuous Geared Hinge | DH111HD (Heavy Duty) | Full Door Height |
| Panic Exit Devices Options | | |
| First Choice | 3692-HR ANSI Grade 1 | Concealed Vertical Rod |
| First Choice | 3192-HR Midpanel | Concealed Vertical Rod |
| Jackson | 2086-HR ANSI Grade 1 | Concealed Vertical Rod |

Qualified Glass Types

| Glass Type | Glass Composition | | | Interlayer Manufacturer | Glass Identification |
|-----------------------------------|---|-----------------|---|-------------------------|----------------------|
| | Exterior Lite | Interlayer | Interior Lite | | |
| $\frac{3}{16}$ " Monolithic Glass | $\frac{1}{4}$ " Heat Strengthened Glass | .090 SentryGlas | $\frac{1}{4}$ " Heat Strengthened Glass | DuPont™ | D |